

| Rural/Urban: | Rural | 2 Yr Map Schedule: | 2021-Patr | 2022-Patr | |
|--------------|-------|--------------------|-----------|-----------|--|

2 Yr Map Schedule: 2021-Patr 2022-Pa

ED.76-0181500000

MAT: BFA OH Patr Main Work Ctr: WTSNVLLE

44023701

Order:

[Check if "NO" Abnormal Conditions Identified Today # of Structures on File: 72

Мар:

Inspector Name or LAN ID:

Date Pat/Insp: 4-22-2020

Date Reviewed: 5-21-2020

(Specify highlight color) Finh

of Structures Pat/Insp: 72

| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
|------|-----|-----------------|---|
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # /*or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: Notes: |

Minor Work Locations(Tally):

Total Minor Work Locations
Completed:

Rural/Urban:

Rural

Main Work Ctr:

2 Yr Map Schedule: 2021-Patr 2022-Patr

Inspector Name or LAN ID: Date Pat/Insp: 5-7-2000

Order:

44023705

Map:

ED.76-0181900000

Date Reviewed: 5-21-2020

(Specify highlight color)

of Structures Pat/Insp: 32

MAT: BFA OH Patr

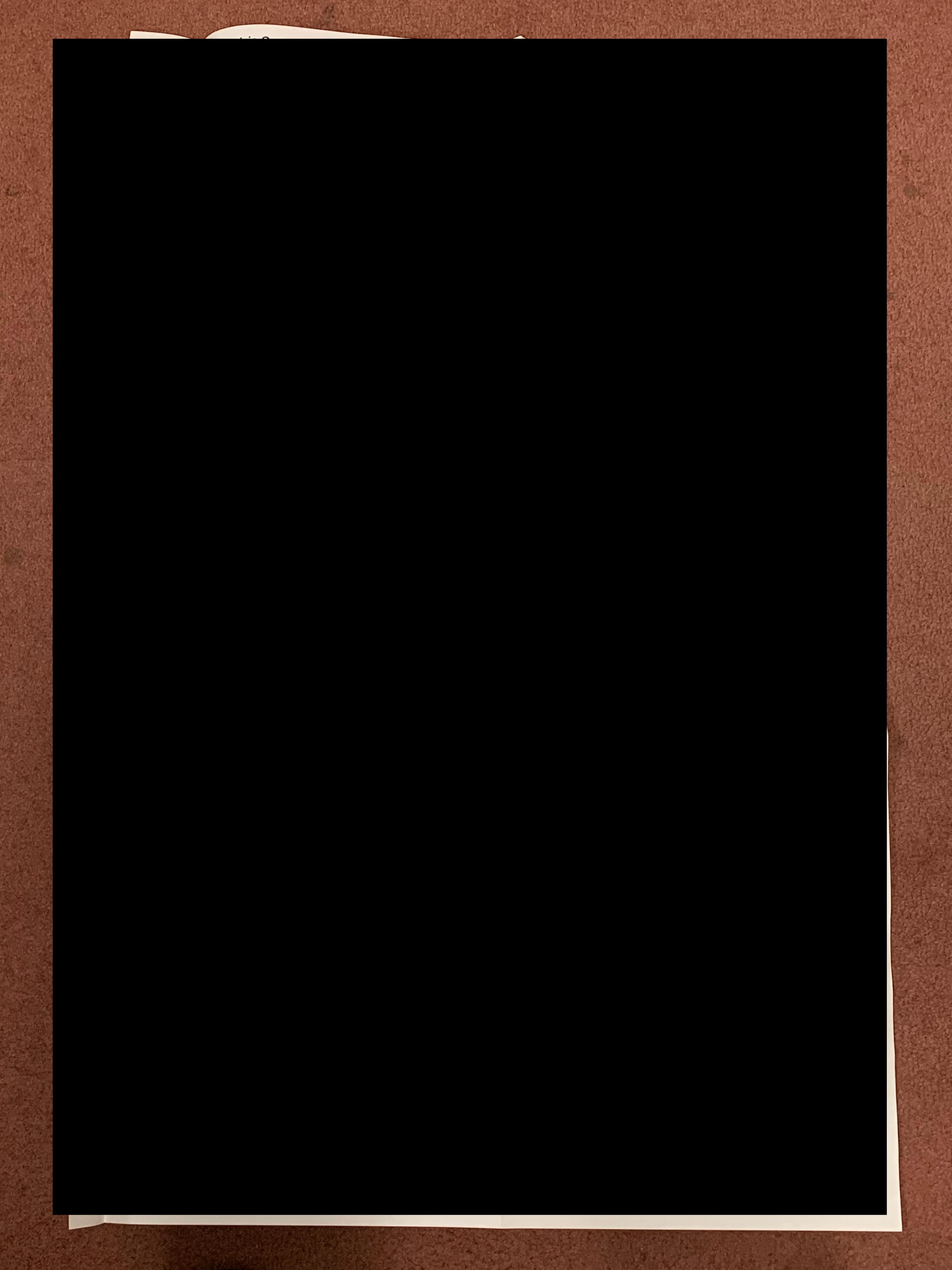
[] Check if "NO" Abnormal Conditions Identified Today

WTSNVLLE # of Structures on File: 32

| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
|------|-----|-----------------|--|--------|
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| _oc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| _oc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| oc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| _oc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |

Minor Work Locations(Tally):

Total Minor Work Locations Completed:



Rural/Urban: Rural

2 Yr Map Schedule: 2021-Patr 2022-Patr

Order:

44023706

Map:

ED.76-O182000000

MAT:/

BFA OH Patr

Main Work Ctr:

WTSNVLLE

[\sqrt{ Check if "NO" Abnormal Conditions Identified Today

of Structures on File: 37

Inspector Name or LAN ID:

Date Pat/Insp: 5-5-2020

Date Reviewed: 5-21-2000

(Specify highlight color)

Ву

of Structures Pat/Insp: 37

Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# OH .UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: EC# Loc# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: EC# Loc# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes:

| Minor Work Locations(Tally | 1): |
|----------------------------|-----|
|----------------------------|-----|

clectric Company

Printed on 12/11/2019

O1820

01819

Rural/Urban: Rural

2 Yr Map Schedule: 2019-Insp 2020-Patr

Order:

43166701

Мар:

ED.76-O181500000

MAT:

BFA OH Patr

Main Work Ctr:

WTSNVLLE

[\int Check if "NO" Abnormal Conditions Identified Today

of Structures on File: 73

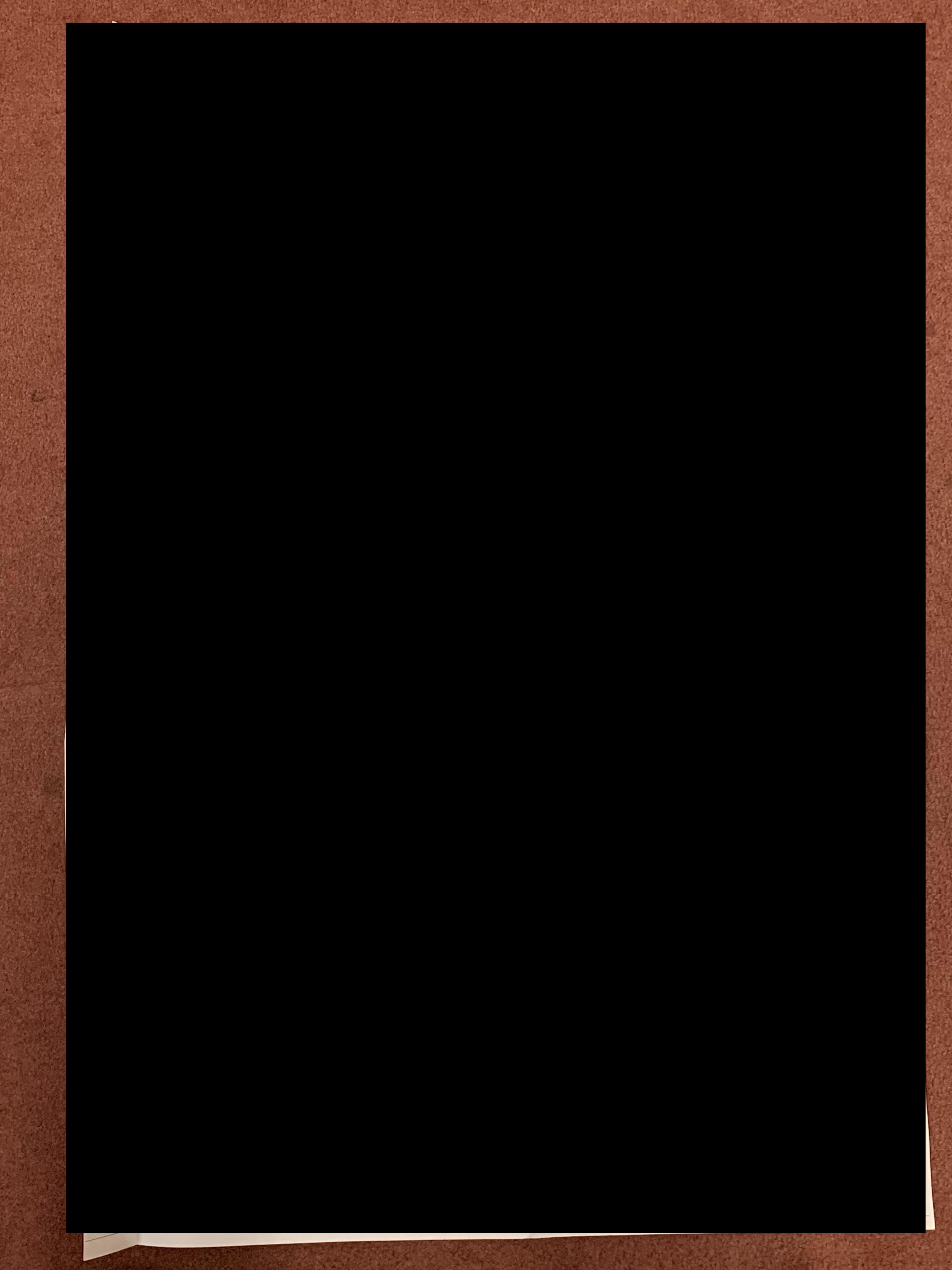
Inspector Name or LAN ID: Ву: (Specify highlight color)

of Structures Pat/Insp: 73

| 1 17 | F 6 (4 | | | |
|------|--------|-----------------|--|--------|
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP [V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP V | PMH Switch Serial # / or Map Change Ref #: | Notes: |

Minor Work Locations(Tally):

Total Minor Work Locations Completed:



2020-Patr

Rural/Urban: Rural

2 Yr Map Schedule:

2019-Insp

Map:

ED.76-O181900000

Order: MAT:

43166705 BFA OH Patr

Main Work Ctr:

WTSNVLLE

[Jeheck if "NO" Abnormal Conditions Identified Today # of Structures on File: 32 Inspector Name or LAN ID:

By:

(Specify highlight color)

| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
|------|-----|-----------------|--|--------|
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #; | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| | | | | |

Minor Work Locations(Tally):

Total Minor Work Locations Completed:



Rural/Urban: Rural

Inspector Name or LAN ID: _

Total Minor Work Locations Completed:

ØV

| Rural/Urban: | Rural | 2 Yr Map Schedule: | 2019-Insp 2020-Patr | 8-10-18 |
|---------------|-------------------------|-----------------------|--|----------------------------|
| Order: | 43166706 | Map: | ED.76-O182000000 | 1: AUG 13 2018 By |
| MAT: | BFA OH Patr | Main Work Ctr: | VTSNVLLE (S | Specify highlight color) |
| [Jeheck if " | "NO" Abnormal Condition | ns Identified Today # | , | of Structures Pat Insp: 38 |
| 1 4/ | FO# | | | |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# E | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# E | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# E | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# E | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Minor Work L | ocations(Tally): | | | Total Minor Work Locations |



Attachment 03_2014 GO165 inspection records_CONF.pdf

Electric Maintenance Patrol/Inspection Daily Log

| | | | | Inspector Name or LAN ID: |
|--------------|-------------------------|--------------------|-----------------------------|---------------------------|
| Rural/Urban: | Rural | 2 Yr Map Schedule: | 2016-Patr | Date Pot/less: 02-25-20 |
| Order: | 41996833 | Map: | ED.76-O181500000 | FEB 28 2014 B |
| ЛАТ: | BFB OH Insp 🏲 | Main Work Ctr: | WTSNVLLE 13 | (Specify highlight color) |
|] Check if " | NO" Abnormal Conditions | Identified Today | # of Structures on File: 71 | # of Structures Pat/Insp: |
| | | | * | |

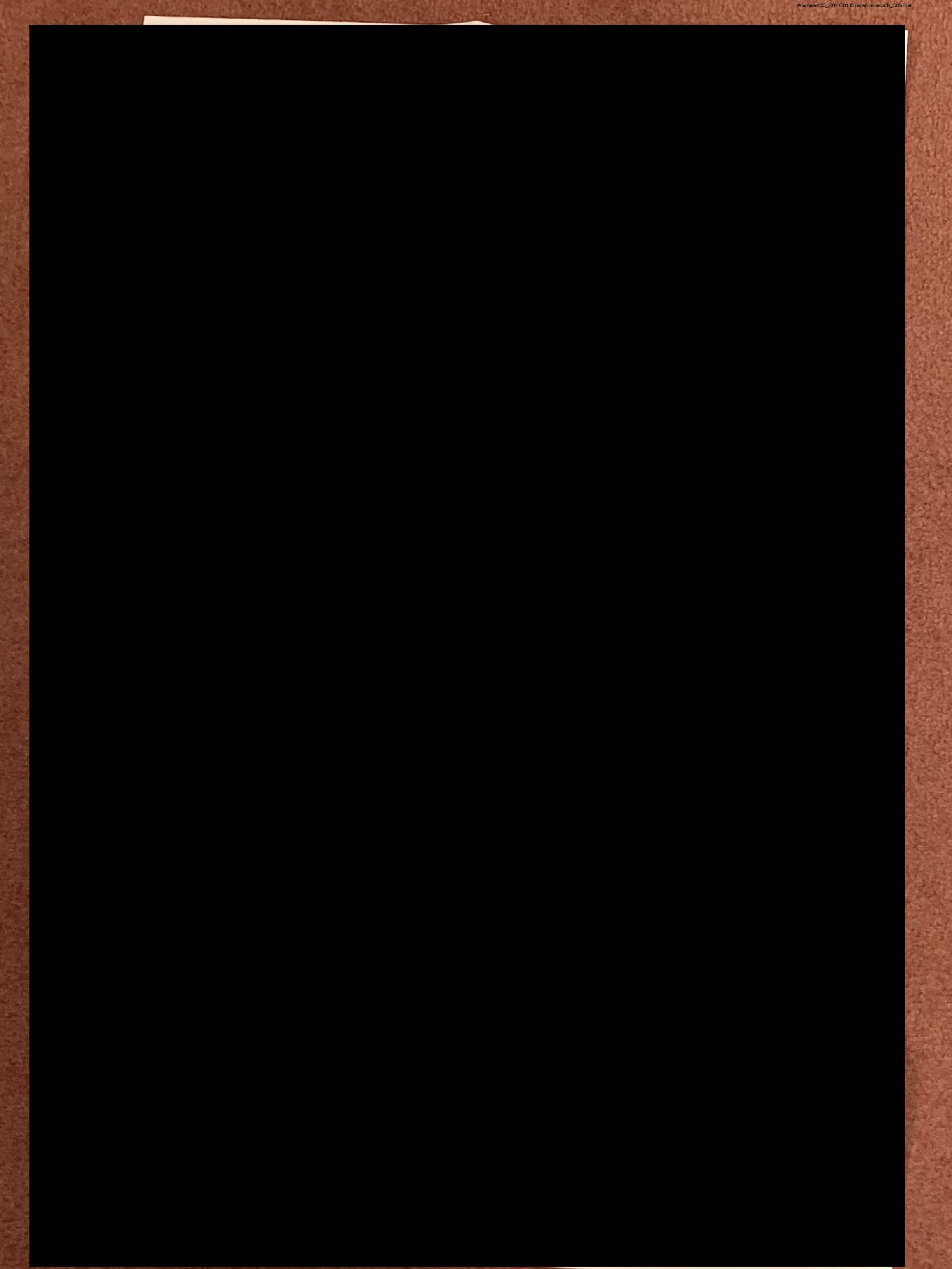
| Loc# | EC# 0101 6 8 8 8 | (OH) UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: N 36 98 785 W 121 82 605 |
|------|------------------|-----------|----------------|--|---------------------------------|
| | 10 18968000 | | | 25TIPCEASANTU | IMI SHRD. APTOS TRIM D.G. |
| Loc# | EC# 21/6825 | | | | Notes: N 36 98384 W 12.183538 |
| | 101090000 | | | XST. FRES DO | M BLYD. APTOS REPA EXPOGRNO |
| Loc# | 70 mas 1 88 4 | | | | Notes: N3698384 WIH 83038 |
| | 10101000 | | | DAISY CN. A | PEDS REPA. EXPO, GRNP. |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| | 9 | | | | |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| 1 | 50" | | 20 020000 0 00 | Ver | |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| 1 11 | 150# | | | | |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG M | C TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| | | | | | |

Minor Work Locations(Tally):

Total Minor Work Locations
Completed:

| | e Cost | | | | _ |
|-----------|--------|------|-----------------|---------------|---|
| Inspector | Minor | Work | Tracking | Log - Overhea | d |

| | | | | 11 | Spe | CCLL | 11 | A1111 | UI V | /V () | IK | IId | Kin | g L | og . | - 0 | ver | ne | ad | | | | | | | | | | |
|-------|---|-------------|------------------------|-------------------------------------|-------------------------|--------------------------|----------------------------|----------------------------------|------------------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------------------|---------------------|-------------------|-------------------------|-----------------------------|-------------------------|---------------------------|---------------------|---------------------------|---------------------------------|---------------|--------------------------------------|--------------------|-------------|--|-----------------------------|
| | Log Start Date: 02-25-2014 Log End Date: 01815-01917 | | | | | | | | | | | | Ψ | | | | Div | isio | n: _ | Ċ | 21 | 17 | R | N | - | | | Bucket Truck Y/N: | PU |
| | Log End Date: | | | | | | | | | | | | , | | | | Insp | ecto | | | | | | | | | | | |
| 10 | Plat Map #: 0 1815 -01917 | 7 | | | | | | | | | | | | | | | j | Lan | ID | | | | | | | | | | |
| | , | | | | E | Belov | v 8 | Ft or | 1 Pol | e | | | | | | | | Abov | ve 8 | fto | n p | ole | | | | | |] | |
| Count | Address / Location: | Date: | Anchor - Adjust/Repair | Booster/Capacitor/Regulator - clean | Ground - Repair/Replace | Guy - Adjust/Repair/Trim | Marking - Ilistall/Replace | Moluming -install/Repair/Replace | Recloser/Sectionalizer - Clean oil | Scada/Pdac - Clean oil | Transformer - Clean oil | Tree - Trim | Capacitor /ERR - Repair | Conductor - Adjust/Repair/Replace | Connector - Replace | Crossarm - Repair | Ground - Repair/Replace | Guy - Adjust/Repair/Replace | Guy - Install/Trim Veg. | Hardware - Repair/Replace | High Sign - Install | Marking - Install/Replace | Molding -Install/Repair/Replace | Pole - Repair | Streetlight - Install/Repair/Replace | Tie Wire - Replace | Tree - Trim | Comments / Other Minor Work Completed: | Time to complete work |
| | 1 | 2/25 | - | | |) | | | | | | | | , | | | | J | | | | | 2 | | S | | | PREFORM | 150 |
| | | 11 | | | | 2 | (| | | | | | | | | | | | | | 1 | | | | | \top | | REFLECTOR | 15 Min |
| | | N | | | | | X | | | | | | | | | | | | | + | + | | | + | | + | | PC - 200005 | |
| | - | 11 | | | | | (| | T | | | | | | | | | 7 | | + | + | | 1 | + | + | + | + | | " THE |
| | - | 15 | | | | > | - | | | | | | | | | | \forall | \forall | | + | + | + | + | + | + | + | - | ING GUYMUPE NC OUT BORISO POEG | 2104 |
| | | 11 | | | | | X | | | | | | 8 | | | | | + | + | + | + | + | + | .0 | + | + | - | BORTLO POEG | MORI |
| | | 11 | | | | 3 | 1 | | + | | | | 9 | | | + | - | + | + | | + | | + | | + | - | 2 | CON MARYS | IDAW. |
| | | 11 | | | | | (| + | | - | | | | | | - | \dashv | + | + | + | + | + | + | - | - | | | TAIN TAINER | IOMI |
| | - | | - | | - | | - | + | | | | Н | | | | - | - | - | - | + | - | + | + | - | + | _ | | ASWN GUY | 30 Mi |
| | - | 01 | - | - | |) | | + | - | | - | | 8 | | - | - | + | + | + | - | + | + | - | - | | - | | | MA |
| | - | 11 | + | | ., | + | < | + | - | | | | | | | 4 | - | 4 | 4 | + | + | 4 | + | 4 | 4 | _ | _ | GUYMARKER | 15MI |
| | | 15 | _ | - | X | + | + | + | + | | | | | | | _ | | 4 | _ | 4 | | 1 | _ | 4 | 1 | | | REFA GRAD | 28/ |
| | - | | - | _ | X | | + | + | | | | | | | | | | | | | | | | | | | | RETAGRADA | rond |
| | | | - | | |) | | - | | | | | | | | | | | | | | | | | | | | | 10/1 |
| | | HI | \dashv | | | 7 | 4 | + | | | | | 0 | | | | | | | | | - | | | | | | RS | MANON |
| | | | \perp | | | | 4 | | | | | | | | | | | | | | | | | | | | | WS GUYMA | ZKZK P |
| | | | | | | | K | | | | | | | | | | | | | | | | | | | | 1 | WS GUING DIG OUT FRE VS | EFORY |
| | MI MORUCE A 23 | Master).xls | , Insp | ector | r - Mi | or W | ork T | rackin | g Ldg: | (Map | tlarțed | 12/13/ | 10 | | | | | | | | | | 0 - | • | 0 | 27 | | VS | Page 1 |



Attachment 03_2014 GO165 inspection records_CONF.pdf

Electric Maintenance Patrol/Inspection Daily Log

Inspector Name or LAN ID 2 Yr Map Schedule:

| Rural | /Urb | an: |
|----------|------|------|
| i tui ai | OID | all. |

Rural

2016-Patr

Order:

41996837

Map:

ED.76-O181900000

MAT:

BFB OH Insp

Main Work Ctr:

WTSNVLLE

[] Check if "NO" Abnormal Conditions Identified Today

of Structures on File: 32

Date Pat/Insp: 11-12-14 Date NOV 1 8 2014 By (Specify highlight color) Orange # of Structures Pat/Insp:

| Loc# | 109685216 | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: Coround |
|--------|------------------|-----------|--------|--|-----------------------|
| Loc# 2 | 109685219 | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: High Such |
| Loc# 3 | EC# 109685259 | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | 109685275 | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# 5 | 109685278 | OH) UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: Anchor |
| Loc# | EC# 109685302 | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: Street name |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC | TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |

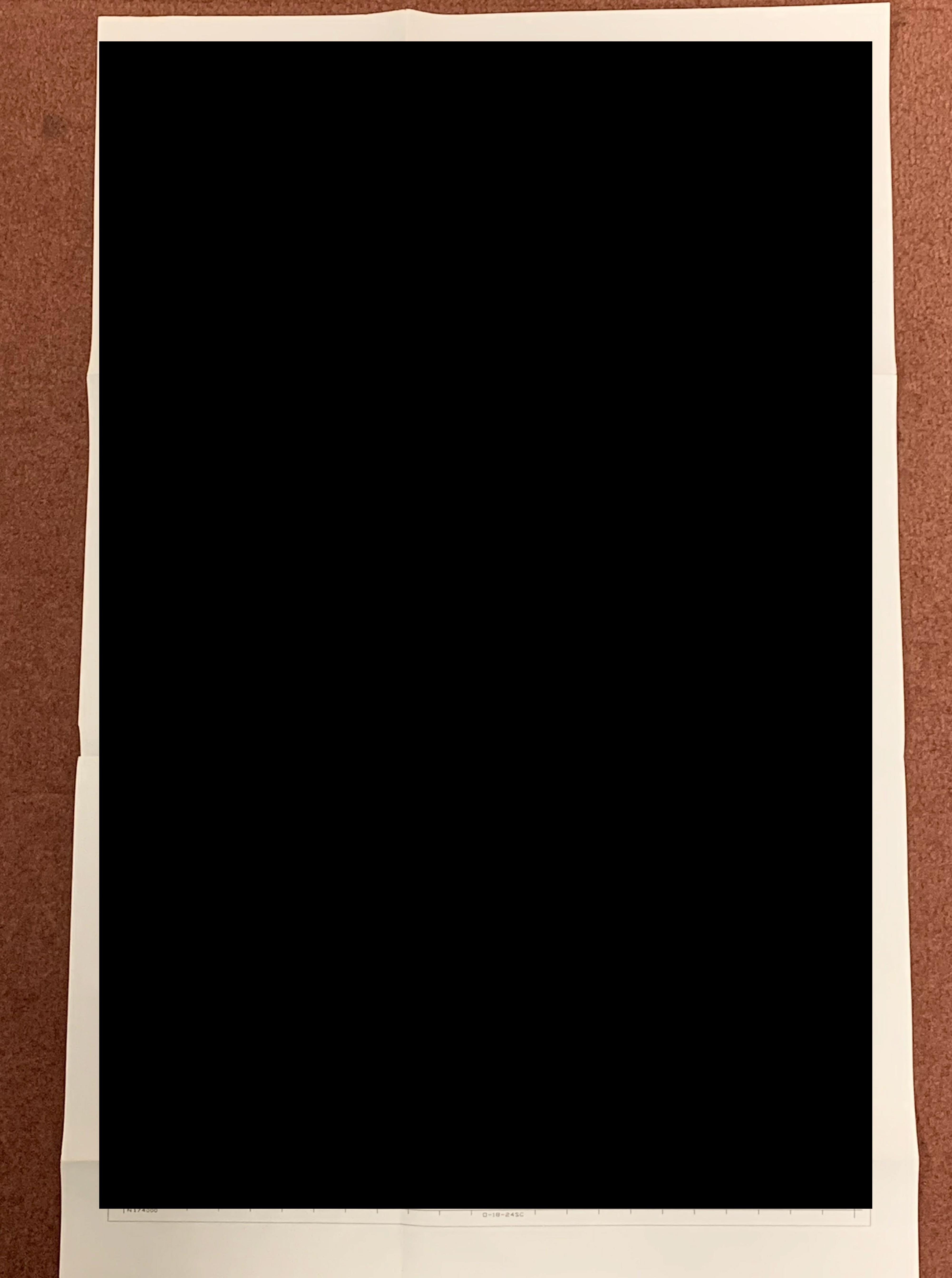
| Minor Work Locations(Tally | ns(Tally | Locations | k | Work | linor | M |
|----------------------------|----------|-----------|---|------|-------|---|
|----------------------------|----------|-----------|---|------|-------|---|



Total Minor Work Locations Completed:

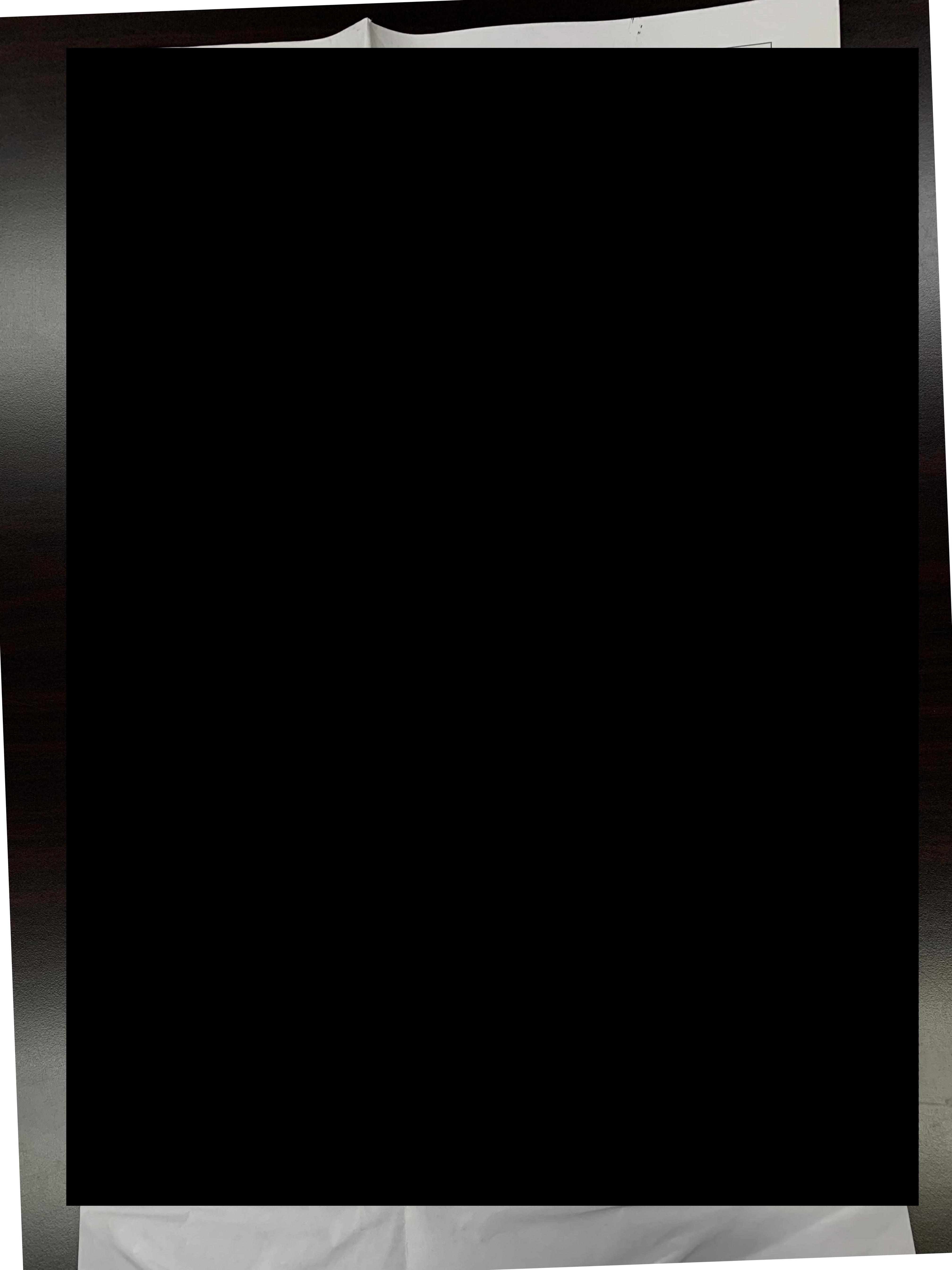
Inspector Minor Work Tracking Log - Overhead Salmas Bucket Truck Y/N:_/ Log Start Date: 11-12-14 Division: Inspector: Log End Date: Plat Map #: Lan ID: Selow 8 Ft on Pole Above 8 ft on pole Booster/Capacitor/Regulator - clean Conductor - Adjust/Repair/Replace Streetlight - Install/Repair/Replace Recloser/Sectionalizer - C ean oil Molding Install/Repair/Rep ace Molding -Install/Repair/Replace Guy - Adjust/Repair/Replace Hardware - Repair/Replace Pole Step - Install/Remove Time to Marking - Install/Replace Guy - Adjust/Repair/Trim Marking - Install/Replace Ground - Repair/Replace Ground - Repair/Replace Comments / Other Capacitor / ERR - Repair Count Fransformer - Cean o complete Anchor - Adjust/Repair Scada/Pdac - Glean oil Guy - Insta /Trim Veg. Wadson () ? Minor Work Connector - Rep ace work Completed: rie Wire - Replace Crossarm - Repair High Sign-Instal (minutes) Pole - Repair ree - Trim ree - Trim Gillette Rd 60 y 6 vard 32 33 Gillette KO 35 36 37 38 39 40 41 42 43 44

45



| | | | | Inspector Name or LAN ID: |
|--------------|---------------------------|-----------------------|--|------------------------------|
| Rural/Urban | : Rural | 2 Yr Map Schedule: | 2016-Patr | Date 11-12-14 |
| Order: | 41996838 | Map: | ED.76-O182000000 | NOV 1 4 2014 By |
| MAT: | BFB OH Insp | Main Work Ctr: V | WTSNVLLE | (Specify highlight color) |
| [] Check if | f "NO" Abnormal Condition | ns Identified Today # | of Structures on File: 35 | # of Structures Pat/Insp: 36 |
| | | | | |
| Loc# | 189680901 | OH UG MC TP I V | , and the second of the second | High Sign |
| Loc# | 1096809(e9 | OH UG MC TP I V | 3 | Broken KISEV |
| Loc# | EC# 109 (6837) | OH UG MC TP I V | Description of the second seco | Add 10 # to Mg2 |
| Loc# | 109/08/16 | OH UG MC TP I V | The state of the s | f#: Notes: Ovound |
| Loc# | 109681491 | OH UG MC TP I V | | (OUX) |
| Loc# | 10968293/ | OH UG MC TP I V | a management of the second of | 10/e |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref | f#: Notes: |
| Minor Work | Locations(Tally): | | | Total Minor Work Locations |
| | | | | Completed: |

| | Log Start Date: 1/-12-14 Log End Date: Plat Map #: 01820 | | | | | | | | | | | | | | | | | | risio ect | | - | 50 | 4/ | , N | x < | | | | Buc | ket Truck Y/N: | 1 |
|-------|--|-------|------------------------|-------------------------------------|-------------------------|------|-----|-------|----------------------------|------------------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------------------|---------------------|-------------------|-------------------------|--------------|-------------------------|---------------------------|---------------------|---------------------------|---------------------------------|---------------|--------------------------------------|--------------------|-------------|------|---|--|
| | Plat Map #: 1/820 | | | | | | | | | * | | | | | | | | | Lan | | | | | | | | | | | | |
| | | | 1 | | | Belo | w 8 | Ft | on I | Pole | | | _ | | | | | | Abo | | i ft o | on r | ole | | | | | | 8 | | T |
| Count | Address / Location: April S | Date: | Anchor - Adjust/Repair | Booster/Capacitor/Regulator - clean | Ground - Repair/Replace | | | place | Pole Step - Install/Remove | Recloser/Sectionalizer - Clean oil | Scada/Pdac - Glean oil | Transformer - Clean oil | Tree - Trim | Capacitor /ERR - Repair | Conductor - Adjust/Repair/Replace | Connector - Replace | Crossarm - Repair | Ground - Repair/Replace | eplace | Guy - Install/Trim Veg. | Hardware - Repair/Replace | High Sign - Install | Marking - Install/Replace | Molding -Install/Repair/Replace | Pole - Repair | Streetlight - Install/Repair/Replace | Tie Wire - Replace | Tree - Trim | · IV | ments / Other linor Work lompleted: | Time to complete work (minutes) |
| 31 | 90 Freedom & Pleasant Valley | 4/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | V | 5.54ps | 10 |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 33 | | | | | | | | | | | | | | | 1.000 | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | v | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | | - | |
| 37 | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | - | |
| 40 | · . | | | | | | 1 | 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 43 | | | | | | | + | 1 | | | | | | | | | _ | | | | \dashv | | | | | | | | - | | |
| 44 | | | | | | | 1 | 1 | - | | | | | | | , | _ | | | | | | | | | | | | _ | | |
| 45 | | | | | | | + | 1 | 1 | | | | - | 9 | | | | - | | | | _ | | | | | | | | | |
| 100 | | | | | | | _1 | | | | | | | | | | | | | | | | | | | | | | | | |



Rural/Urban: Rural

2 Yr Map Schedule: 2020-Patr

2021-Patr

Order:

43530468

Map:

ED.76-0181500000

MAT: BFB OH Insp

Main Work Ctr: [] Check if "NO" Abnormal Conditions Identified Today

WTSNVLLE

of Structures on File:

Inspector Name or LAN ID:

(Specify highlight color)

of Structures Pat/Insp:

| Loc# , | EC# | OH UG MC TP I V PMH Switch Serial # / or Man Change B. 6 " No. |
|------------------|------------------|--|
| | 116735209 | Notes: |
| .oc# 2 | FC# 757622 | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| .oc#3 | EC# 116757621 | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Places t Valley Zy |
| oc# / | EC# 1/6757623 | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| oc# 5 | FC# 16757620 | OH UG MC TP 1 V PMH Switch Serial # / or Map Change Ref #: Notes: |
| DC# (| EC# 116759457 | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| c# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| oc# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| c# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| c# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| c# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| c# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| C# | EC# | OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: |
| C# | EC# | OH UG MC TP 1 V PMH Switch Serial # / or Map Change Ref #: Notes: |

Minor Work Locations(Tally):

Total Minor Work Locations Completed:

Total Minor Work Locations Completed:

Inspector Name or LAN ID:

Electric Maintenance Patrol/Inspection Daily Log

Rural/Urban: Rural 2 Yr Map Schedule: 2020-Patr 2021-Patr Order: 43530468 Map: ED.76-0181500000 MAR 2 5 2019 By: MAT: BFB OH Insp Main Work Ctr: WTSNVLLE (Specify highlight color) [] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: # of Structures Pat/Insp: 2/ Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: 116762695 Straighter Parise role EC# 1/6763383 Loc# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Replace insulink conectors on priman Loc# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Replace ROTTED & ATOM Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH UG MC TP I V Notes: Minor Work Locations(Tally):

Total Minor Work Locations Completed:

Inspector Name or LAN ID: Rural/Urban: Rural 2 Yr Map Schedule: 2020-Patr 2021-Patr Order: 43530468 Map: ED.76-0181500000 MAT: BFB OH Insp Main Work Ctr: WTSNVLLE (Specify highlight color) Organ] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: # of Structures Pat/Insp Loc# OH UG MC TP I PMH Switch Serial # / or Map Change Ref #: 6790608 Notes: Loc# UG MC TP I OH PMH Switch Serial # / or Map Change Ref #: 679 Notes: MC TP Loc# EC# PMH Switch Serial # / or Map Change Ref #: Notes: Roplace Loc# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Roplace Loc# OH UG MC TP I PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: OH)UG MC TP I V 6802706 Notes: foplace Loc# EC# bumbs cleaved MC TP I V PMH Switch Serial # / or Map Change Ref #: UG Notes: Loc# EC# UG MC PMH Switch Serial # / or Map Change Ref #: TP Notes: Loc# EC# MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# MC PMH Switch Serial # / or Map Change Ref #: TP Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Loc# EC# PMH Switch Serial # / or Map Change Ref #: MC TP Notes: Minor Work Locations(Tally):

Electric Maintenance Patrol/Inspection Daily Log

Completed:

Inspector Name or LAN ID: ___

Electric Maintenance Patrol/Inspection Daily Log

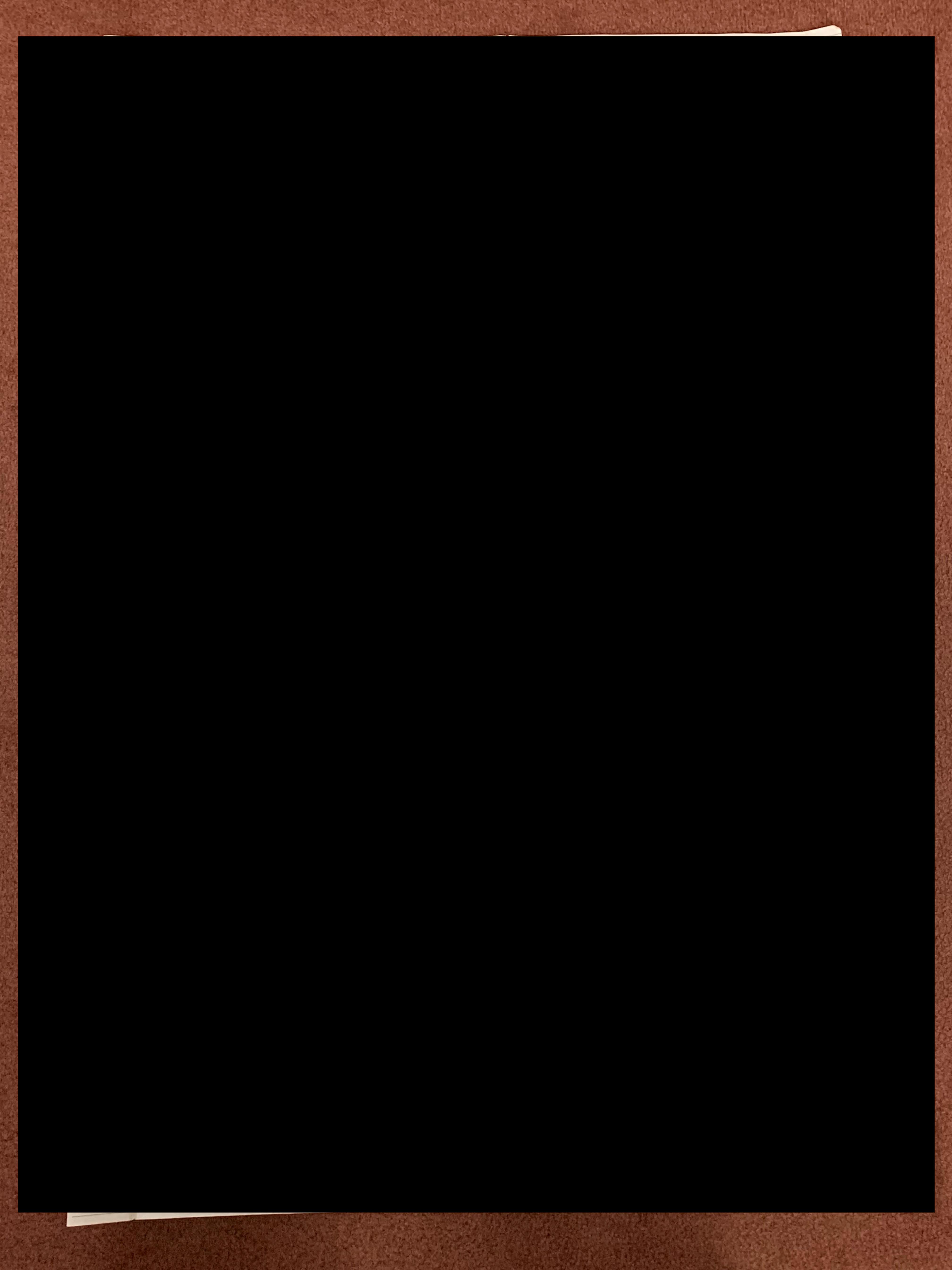
Rural/Urban: Rural

| Order: 43530468 Map: ED.76-O181500000 D MAR 2 5 2019 By: MAT: BFB OH Insp Main Work Ctr: WTSNVLLE [] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: 73 (Vertical # of Structures Patrinsp:) 21 Loc# EC# OH VG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | el noll. |
|--|-----------|
| MAT: BFB OH Insp Main Work Ctr: WTSNVLLE [] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: # of Structures Patrinsp: 21 Loc# EC# OH VG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | el noll. |
| Check if "NO" Abnormal Conditions Identified Today # of Structures on File: # of Structures Patrinsp: 21 Loc# EC# OH UG MC TP V PMH Switch Serial # / or Map Change Ref #: Notes: | el noll. |
| Loc# EC# OH VG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | al no al |
| PMH Switch Serial # / or Map Change Ref #: Notes: | el noll |
| 10 1168 12 0 17 Notes: | el us ll. |
| | se us le. |
| Loc# EC# 1/8 /25 3/ OF UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| Loc# SEC# Lapp STACKS, HOCK book SI | eeves |
| 10 1/00 13882 Meeden Blad | |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| | |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| | au. |
| 2) //68 / 43 42 Notes: | 7-4 |
| 22 ILS 1444 OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| 22 1/68/444 OH US NO TR + W RIVER Serial # / or Map Change Ref #: Notes: | 0 11 |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: Hanes | W Holde |
| COT FOR | |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| OC# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| Notes: | |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| 00# | |
| OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| OC# EC# OH UG MC TP I V PMH Switch Serial # / or Man Change Bet # Notare | |
| Notes: | |
| OC# EC# OH UG MC TP I V PMH Switch Serial # / or Map Change Ref #: Notes: | |
| The string of th | |
| nor Work Locations(Tally): | |
| Total Minor Work L | ocations |

Attachment 04_2019 GO165 inspection records_CONF.pdf

| ocation | WorkCtrTxt | PG Plat Mar | Report by | Date | Notifoth | Equipment | Street | Denomiption | Obj Txt | Activity Code Txt | Act Man Mr | Typ | Work Type Code | Order | MAT | Latitude | Longitude |
|---------|-------------|-------------|-----------|------------|-----------|-----------|--------|-------------------------------------|-----------|------------------------|--|-----------|--|-----------------|------------|----------|-----------|
| C | Watsonville | EDL 01815 | | 03/18/2019 | 800345467 | 101692567 | | Pole - Class: 5 : Wood : 45 | Molding | Install/Repair/Replace | 10.00 | PI | 714 | | | | |
| C | Watsonville | EDL 01815 | | 03/18/2019 | 800345468 | 101692575 | | Pole - Class: 2 : Wood : 50 | Marking | Install/Replace | 10.00 | PI | 714 | 1771117 | A MIE | | |
| C | Watsonville | EDL 01815 | | 03/18/2019 | 800345469 | 103822683 | | Pole - Class: 2 : Wood : 45 | guy | Install/Trim | 10.00 | PI | 714 | | - | | |
| | Watsonville | EDL 01815 | | 03/18/2019 | 800345481 | 103824348 | | Pole - Class: 4 : Wood : 45 | guy | Install/Trim | 10.00 | PI | 714 | | 0 0000 | | |
| 3 | Watsonville | EDL 01815 | | 03/18/2019 | 800345482 | 101692598 | | Pole - Class: 5 : Wood : 45 | High Sign | Install | and the second | 000 | is documental and a second | | | | |
| | Watsonville | EDL 01815 | - | 03/18/2019 | 800345483 | 101793781 | | Pole - Class: 6 : Wood : 30 | Marking | Install/Replace | 5.00 | PI | 714 | | i me | | |
| 3 | Watsonville | EDL 01815 | | 03/19/2019 | 800345743 | 101692545 | | Pole - Class: 5 : Wood : 45 | Marking | Install/Replace | 10.00 | 1000 | | | A PARTY | | |
| | Watsonville | EDL 01815 | | 03/19/2019 | 300345744 | 101692553 | | Pole - Class: 5 : Wood : 45 | Molding | Install/Repair/Replace | | | terms and a second | - | | | |
| 2 | Watsonville | EDL 01815 | | 03/19/2019 | 800345760 | 101793780 | | Pole - Class: 5 : Wood : 45 | Marking | Install/Replace | 5.00 | | | and the same of | C PRODUC | | |
| | Watsonville | EDL 01815 | | 03/19/2019 | 800345836 | 101692525 | | Pole - Class: 5 : Wood : 45 | Marking | Install/Replace | | | 714 | LITTED I | n me | | |
| 2 | Watsonville | EDL 01815 | | 03/19/2019 | 800345856 | 101793777 | | Pole - Class: 5 : Wood : 45 | Molding | Install/Repair/Replace | The state of the s | 15,150,00 | Control of the last of the las | | - | | |
| C | Watsonville | HDL 01815 | | 03/19/2019 | 800345937 | 101692505 | | Pole - Class: 4 : Wood : 45 | Molding | Install/Repair/Replace | | 24.25 | 1000 | | | | |
| C. | Watsonville | EDL 01815 | | 03/19/2019 | 800346285 | 101692455 | | Pole - Class: 3 : Wood : 50 | Marking | Install/Replace | 5.00 | 5410990 | 410-90-00-00-00-00-00-00-00-00-00-00-00-00 | | a seems | | |
| | Watsonville | EDL 01815 | 100 | 03/19/2019 | 800346290 | 103828769 | | Pole - Class: 4 : Through Bore : 45 | Molding | Install/Repair/Replace | | 760 | 10.000 | | - | | |
| 2 | Watsonville | EDL 01815 | | 03/20/2019 | 800346498 | 101692408 | | Pole - Class: 5 : Wood : 45 | | Install/Repair/Replace | | - | 147.00 | | a property | | |
| 0 | Watsonville | EDL 01815 | 131 | 03/20/2019 | 800346510 | 101692446 | | Pole - Class: 2 : Wood : 50 | 2n7. | Install/Trim | 15.00 | | | - | | | |
| 2 | Watsonville | EDL 01815 | | 03/22/2019 | 800346952 | 101692377 | | Pole - Class: 5 : Wood : 45 | | Install/Repair/Replace | | | | | i linear | | |
| | Watsonville | EDL 01815 | | 03/22/2019 | 800346995 | 101692351 | | Pole - Class: 5 : Wood : 40 | | | | | | - | 5 | | |
| | Watsonville | EDL 01815 | 10. | 03/22/2019 | 800346995 | 101692351 | | Pole - Class: 5 : Wood : 40 | | Install/Remove | 5.00 | | | | | | |

| ocation | Report by | EXE | Notif Type | P Notification Long Text | | Attach Flg | Notifota | Date | Order | Equipment | Functional Location | Plat Map | WorkCtrTxt | Street | 530 | Circu |
|---------|-----------|------|--------------|--------------------------|---|------------|--|--|--|--|-------------------------------|--|---|--------|----------------|---------|
| cc | | 1000 | ECOHN | E * - Location | : 1 * * Straighten guy pole # | × | 11675520 | 03/18/201 | 1 | 10169255 | 7 ZD.76-0181500000.STRU.POL | 5 01815 | Watsonville | | 1252 | 0836 |
| c | | 0.05 | an outline ! | E * - Location | : 5 * * Replace corroded insulink son p | x | 116757620 | 03/18/2019 | | I The second second | ED.76-0181500000.STRU.POLE | The state of the s | Watsonville | | | 08369 |
| c | | | ECOHN | E * - Location | : 3 * * Replace insulink connections on | x | 116757621 | 03/18/2019 | | | ED.76-0181500000.STRU.POLE | | Watsonville | | 1000000000 | 08369 |
| C | | 29 | ECOHN | Z * - Location | : 2 * * Replace Lapp insulators# | x | 116757622 | 03/18/2015 | | | 5 ED.76-0181500000.STRU.POL | SE SALVE CONTROL | Watsonville | | | |
| d | | 39 | ECOHN | E * - Location | : 4 * * Replace corroded insulink on pr | × | 116757623 | 03/18/2019 | | A STATE OF THE PARTY OF THE PAR | ED. 76-0181500000. STRU. POLE | | Watsonville | | | 083 |
| C | | 39 | ECOHN | E - Location | : 6 * * Replace Lapp insulators trim br | x | 116759457 | 03/18/2019 | | | ED.76-0181500000.STRU.POLE | | Watsonville | | | 08369 |
| C | | 29 | ECOHN | E Location | : 7 * * Straighten leaning pole# | × | 116762693 | 03/19/2015 | 1 | | ED.76-0181500000.STRU.POLE | | Watsonville | | 2001 12 10 200 | 08369 |
| c | | 29 | ECORN | E - Location | : 8 * * Replace correded insulink conne | x | 116763383 | 03/19/2019 | - | | ED. 76-0181500000 .STRU. POLE | and the second second second | Watsonville | | 1253 | Janes S |
| c | | 2C | ECONN | B - Location | : 10 * * Replace broken wood crossarm # | x | 11676415 | 03/19/2019 | 3142990 | | ED.76-0181500000.STRU.POL | | Watsonville | | 10000 | 08369 |
| c | | 39 | ECOHN | y - Location | : 9 * * Replace buried anchor. Replace | X | | 03/19/2019 | | 1 | ED. 76-0181500000.STRU. POLE | | Watsonville | | 1253 | 91 |
| c | | 59 | ECCHN | E - Location | : 11 * * Straighten leaning pole trim b | | | 03/20/2019 | | Charles and the same of | ED.76-0181500000.STRU.POLE | | Watsonville | | 200 | 0836 |
| С | | 29 | ECOHN | F - Location | : 12 * * Repair wood molding # | x | 143 | 03/20/2019 | | A production of the contract of | ED.76-0181500000.STRU.POLI | 124110000 | A server | | | 08369 |
| c | | 59 | ECOHN | E Location | : 15 * * Replace corroded primary splic | × | | 03/20/2019 | 1 | | ED. 76-0181500000.STRU.POLE | | Watsonville | 2 | | 5 083 |
| С | | 29 | ECOMN | E * - Location | : 14 * * Replace Lapp insulators repai | x | 116802707 | Distance of the Control of the Contr | | | ED.76-0181500000.STRU.POLE | | Watsonville | | | 0836 |
| C | | 20 | ECONN | E * - Location | : 16 * * Replace corroded primary splic | C. W. | 116812012 | 110.000.000.000 | - | | ED.76-0181500000.STRU.POLE | 200 | Watsonvillo | | | 0836 |
| 2 | | 29 | ECOHN | E * - Location | : 17 * * Replace Lapp insulators replac | | | 03/22/2019 | | 0.3 2.2 | ED. 76-0181500000.STRU.POLE | | Watsonville | | 10000000 | 0836 |
| c | | 29 | ECOHN | E * - Location | : 18 * * Replace corroded primary splic | | 116813882 | | MITHER PROPERTY. | | ED.76-0181500000.STRU.POLE | 1000 | Salinas | | | 0836 |
| С | | 39 | ECOHN | E - Location | : 19 * * Replace corroded insulink conn | | THE PERSON NAMED IN COLUMN 2 IN COLUMN 2 | 03/22/2019 | | | ED.76-0181500000.STRU.POLE | | Watsonville | | 0.000 | 0836 |
| c | | 39 | ECOHN | F * - Location | : 20 * * Replace buried anchor. Trim br | | 116813891 | | - | | ED. 76-0181500000.STRU.POLE | | Watsonville | | 937 | 0836 |
| | | 59 | ECOHN | F - Location | : 21 * * Replace wood molding # | × | 9 | 03/22/2019 | 1 | | | CONTRACTOR OF | Watsonville | | 949 | 0836 |
| | | 39 | ECOHN | F * - Logation | : 22 * * Replace buried anchor, Trim br | × | | 03/22/2019 | The state of the s | | ED.76-0181500000.STRU.POLE | | Watsonville | | 1235 | 1 0836 |
| MILITAR | | 59 | ECOHN | E * - Location | : 22 * * Trim branches above guy # | × | | CONTRACTOR STREET | 1 | | ED.76-0181500000.STRU.POLE | | Watsonville | | 941 | 08369 |
| | | | | | Damiones above guy # | | 110015003 | 03/22/2019 | 100000000000000000000000000000000000000 | 101692339 | ED. 76-0181500000. STRU. POLE | 01815 | Watsonville | | 1259 | 6 0836 |



Map O 18-19

Electric Maintenance Patrol/Inspection Daily Log

2 Yr Map Schedule: 2020-Patr 2021-Patr

Rural/Urban: Rural

Inspector Name or LAN ID: _

Completed:

Date Pat/Insp:

| Order: | 43575490 | Map: | ED.76-O181900000 | Date Reviewed://29-19 By: |
|--------------|---------------------------|--------------------|---|------------------------------|
| MAT: | BFB OH Insp | Main Work Ctr: | WTSNVLLE | (Specify highlight color) |
| [] Check it | f "NO" Abnormal Condition | s Identified Today | # of Structures on File: 32 | # of Structures Pat/Insp: 32 |
| Loc# | EC# //8211053 | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: Brok GAND megld |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP ! | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP 1 | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Loc# | EC# | OH UG MC TP I | V PMH Switch Serial # / or Map Change Ref | #: Notes: |
| Minor Work | Locations(Tally): | | | Total Minor Work Locations |

EC Report

| CAO! | support by | 240 | nother Type | Notification Long Text | | Attach Flg | Notificta | Date | Order | Equipment | Functional Socation | Plat Mag | WorkCtrint | Otreet | N. No. | |
|------|------------|------|-------------|------------------------|---|--|--------------------------|----------------------|----------------|-----------|---------------------------------|----------|-------------|--------|-----------------|---------|
| | | | ECOHN 1 | * - Location | : WSIP * * Pole leaning, insulink used | × | 117283896 | 05/20/2019 | | 101700055 | PR 77 010111111 | www.cu | lan ann | | | - |
| | | EC : | ECOKN 1 | * - Location | : WSIP * * Insulink used in primary jum | | | 05/20/2019 | | | ED.76-0181900000, STRU. POLE | | Watsonville | | 275 | 1 083 |
| | | EC | ECOHN 1 | Location | : WSIP * * Insulink in primary jumper# | | | 6 05/20/2019 | | | ED. 76-0181900000 . STRU . POLE | | Watsonville | | 275 | 1 083 |
| | | EC : | ECOHN | * - Location | : WSIP * * Tree debris on phase # * Ove | | | 6 05/20/201 | | | ED. 76-0181900000. STRV. POL | | Watsonvil) | | 27 | 51 08 |
| | | EC I | ECOHN 2 | * - Location | : WSIP * * Mini wedge in primary jumper | | | 05/21/2019 | | | ED. 76-0181900000 . STRU. POLI | | Watsonvill | | | 0.8 |
| | | EC I | ECOID1 I | Location | : WSIP * * Pole top rotten, pole leanin | | | 05/21/2019 | - | | ED. 76-0181900000, STRU. POLE | | Watsonville | | 275 | 1 083 |
| | | EC I | ECOHN 3 | * - Location | : WSIP * * Pole leaning # * * REVW task | | | 05/21/2019 | | | ED. 76-0181900000.STRU. POLE | | Watsonville | | | 083 |
| | | EC 2 | ECORN | * = Location | : WSID * * Add arm and new insulators # | | | 05/20/2019 | | | ED.76-0181900000.STRU.POL | | Watsonvill | | 127 | 51 08 |
| | | EC I | ECOHN E | " - Location | : WSIF * * Overgrown trees need trimmed | | The second second second | 05/20/2019 | | | ED. 76-0181900000.STRU. POLE | | Watsonvill | | 95 | 69 08 |
| | | CC) | ECOHN E | * - Location | : WSIP * * Change out arms and insulato | | | 05/20/2019 | | | ED.76-0181900000.STRU.POLE | | Watsonville | | 1 | 1083 |
| | | CC 1 | ECOHN E | Location | : WSIP * * Replace arms and insulators, | | | 05/21/2019 | | | ED. 76-0181900000.STRU.POLE | | Watsonville | | 956 | 9 083 |
| | | C 1 | ECOID! | * - Location | : WSIP * * Trees need trimmed # * * REV | | | 05/20/2019 | | | ED. 76-0181900000, STRU. POLE | | Watsonville | | | 083 |
| | | DC 1 | ECOHN E | * - Location | : WSIP * * Chang out arms and insulator | | | 05/20/2019 | | | ED. 76-0181900000. STRU. POLE | | Watsonvill | | 100 | 08 |
| | | ic i | ECCHON | * - Location | : WSIP * * Install arm and new insulato | | | | Cite Section 1 | | ED. 76-0181900000.STRU.POLE | | Watsonville | | | 1083 |
| | | C I | ECOHN E | * - Location | : MSIP * * Insulinks in xfmr jumpers * | | | 05/20/2019 | 1 | | ED. 76-0181900000. STRU. POLE | | Watsonville | | **Company | 083 |
| | | 19 1 | ECOHN E | * - Location | : WSIP * * Lapp insulators, customer wa | · · · · · · · · · · · · · · · · · · · | | | | | ED. 76-01819800000.STRU.POLE | | Watsonvill | | 195 | 69 08 |
| | 1 | c I | SCOHN E | + - Location | : WSIP * * Overgrown trees need trimmed | A second second | | 05/21/2019 | | | ED. 76-0181900000. STRU. POLE | | Watsonville | | 2000 | 083 |
| | | c z | ECOHN E | * - Location | : WSIP * * Replace arms and insulators, | | CALL VALUE - STATE | MINNE, TANKA TANK TO | | | ED.76-0181900000.STRU.POLE | | Watsonville | | 9569 | 9 083 |
| | 1 | C E | ECOHN E | * - Location | : WSIP * * Replace arm and insulators | | | 05/20/2019 | | | ED. 76-0181900000. STRU. POLE | | Watsonville | | 956 | 083 |
| | | c I | COHN B | * - Location | : WSIP * * CGI need cleared customer ok | | Anna I transier | 05/21/2019 | | | ED. 76-0181908000 . STRU. POLE | | Watsonvill | | 1 | 08 |
| | 5 | c z | ECOHN B | * - Lecation | : WSIP Cutout laying on side being | | | 05/21/2019 | | 101692820 | ED. 76-0181900000. STRU. POLE | 01819 | Watsonville | | TOTAL PROPERTY. | 083 |
| | | C I | сони п | * - Location | : WSIP * * Primary down guy clearance i | | 11/294204 | 05/20/2019 | | | ED.76-0181900000.STRU.POLE | | Watsonville | | 9569 | 083 |
| | | CE | сони в | * - Location | : WSIP * * Pole has splits going down t | - | | 06/04/2019 | | | ED.76-0181900000.STRU.POLE | | Watsonville | | 1111 | 083 |
| | | c r | COHN E | * - Location | : WISP * * Pole is showing signs rot, d | | | 06/04/2019 | | | ED. 76-0181900000. DTRU. POLE | | Watsonville | | 4407 | 083 |
| | | CE | сони в | * - Location | : WSIP * * Service is clearance impaire | | | 06/04/2019 | | | ED.76-0181900000.STRU.POLE | | Watsonville | | | 083 |
| | | CE | COIN E | * - Location | : WSID * * The last major storm to come | | Charles and and | 06/06/2019 | | | ED.76-0181900000.STRU.POLE | | Watsonville | | 10.00 | 083 |
| | | CE | COHN E | * - Location | : WSIP * * Trees are impeding on climbi | 0.7 | | 06/06/2019 | | | ED. 76-0191900000.STRU. POLE | | Watsonville | | | 083 |
| | | c E | | * - Location | : 1 * * Need to repair grad molding | Name of the last o | and the second second | 06/06/2019 | | | ED.76-0181900000.STRV.POLE | | Watsonville | | | 0836 |
| | | | | | room to repair danc mording | | 118211053 | 11/28/2019 | | 103128194 | ED. 76-0181900000 . STRU. POLE | 01819 | Salinas | | 751 | 0836 |

N174000 0-18-2450

Map O 18-20

Electric Maintenance Patrol/Inspection Daily Log

Inspector Name or LAN ID: _ 2 Yr Map Schedule: 2020-Patr 2021-Patr Date Pat/msp ___ N/29/19 Rural/Urban: Rural 11-30-19 ED.76-O182000000 Date Reviewed: Order: Мар: 43575491 WTSNVLLE (Specify highlight color) BFB OH Insp MAT: Main Work Ctr: [] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: 38 # of Structures Pat(Insp: 36 37

| Loc# | 門211308 | OB UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: pole top demand I roband replace |
|------|----------------|-----------------|--|---|
| Loc# | 118211322 | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: Broken Coy |
| Loc# | EC# | OH UG MC TP 1 V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I'V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I \ | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I \ | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I \ | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I V | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I N | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I | PMH Switch Serial # / or Map Change Ref #: | Notes: |
| Loc# | EC# | OH UG MC TP I | PMH Switch Serial # / or Map Change Ref #: | Notes: |

Minor Work Locations(Tally):

Total Minor Work Locations
Completed:

| Munor | 11101 | |
|--------|-------|--|
| I WWWY | NOV | |

| 100 | Location | WorkCorTec | PG | Plat Maj | Report by | Date | Notificts | Requipment | Street | Description | | Activity Tet | Act Man Hr | 200 | Work Type Code | Order | MAT | Latitude | Longitudo | Punctional Logation |
|-----|----------|-------------|-----|----------|-----------|------------|-----------|------------|--------|-----------------------------|---------|-----------------|------------|-----|----------------|----------|-------|----------|-----------|---------------------------|
| I | cc | Watsonville | EDL | 01820 | | 11/29/2019 | 800408912 | 101796290 | | Pole - Class: 5 : Wood : 45 | Marking | Install/Replace | 10.00 | PI | 713 | 44023700 | 6 BFA | | | ED.76-0182000000.STRU.POL |

Attachment 04_2019 GO165 inspection records_CONF.pdf

| openio ha | New Control | | Notes control Gong Tool | Connection | Alle Hottas Inch | No. 24 | Onder: | Septiment | Manetional Location | Dist. See | Montellunttes | fitzeet | 300 | C Carr |
|-----------|-------------|----------|-------------------------|--|---|--------------|----------|-------------------------|-------------------------------|---|--|---------|--|--------|
| | всони | 王 | * - Location | : WSIP * * Inselink in primary jumpers, X | 117276064 | 05/20/2019 | | 101692698 | ED.76-0182000800.STRU.POL | 3 01820 | Watsonville | | 3569 | 0836 |
| | RCOHN | 2 | · - Location | : WSIP * * Transformer needs tightened, X | 117277498 | 05/20/2019 | | | ED.76-0182000000.STRD.POL | | Watsonville | | | 0836 |
| EC | ECOHN | E | * - Location | : WSIP * * Crossarm bent needs changed X | 117279006 | 05/20/2019 | | | ED. 76-0182000000, STRU. POLI | | Watsonville | | 9569 | |
| 1 | RCOKN | Z | * - Location | : WSIP * * Pole top rotten # * * REVW t X | 11727992 | 1 05/20/2019 | 1 | | 3 ND.76-0182000000.STRU.PO | | Watsonvill | | 200 | 100 |
| EC | ECOHN | E | * - Location | : WSIP * * Wire strands broken on field X | 17280912 | 05/20/2019 | 43795815 | (1) I | ED.76-0182000000.STRU.POL | | Watsonville | | | 083 |
| EC | ECOKN | E | * - Location | : WSIP * * Pole top rotten, woodpecker X | | 05/20/2019 | | Secretary and Albertain | ED.76-0182000000.STRU.POL | | Watsonville | | | 0836 |
| EC | ECOHN | E | * - Location | : WSIP * * Ridge pin at. Top off pole 1 X | A.C. Tarrell Manager Control | 05/20/2019 | | | ED.76-0182000000.STRU.POL | | Watsonville | | | 083 |
| EC | ECOHN | E | - Location | : WSIP * * Lapp glass needs changed to X | 117281788 | 05/20/2019 | | | ED.76-0182000000.STRU.POL | | A STATE OF THE PARTY OF THE PAR | | 1122 | 0836 |
| EC | ECOHN | Σ | Location | : WSIP * * Pole leaning, anchor buried X | | 350 60 | | | ED.76-0182000000.STRU.POLI | | Watsonville | | | 0836 |
| EC | ECOHN | E | - Location | : WSIP * * Crossarm used as pole top ex X | | 05/20/2019 | | | ED.76-0182000000.STRU.POL | O PERSONAL PROPERTY. | Watsonville | | The Control of the Co | 0836 |
| EC | ECOHN | E | Location | : WSIP * * Top of pole rotten , from top X | | 05/20/2019 | | | ED.76-0182000000,STRU.POL | 100000000000000000000000000000000000000 | Watsonville | | | 0836 |
| EC | ECOHN | r | - Location | : WSIP * * Loose guy needs pulled up# * X | 179000-18191100000000 | 3 05/31/2019 | 1 | | ED.76-0182000000.STRU.POI | | Watsonville | | 1947 | 0836 |
| SC | ECOHN | E | Location | : WSIP * * Broken tie wires on middle a X | 7.4 | 05/31/2019 | 74 75 | | ED.76-0182000000.STRU.POL | | Watsonvill | | | 5 |
| EC | E COM | E | * - Location | : WSIP * * Vis strips missing, overgrow X | | 05/31/2019 | | | | | Watsonville | | | 0836 |
| EC | ECOHN | Е | * - Location | : WSIP * * Service is rubbing on tree 1 X | 100 Co. Apr. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co | 06/04/2019 | | | ED.76-0182000000.STRU.POL | | Watsonville | | _ | 0836 |
| EC | ECOMN | 22 | * - Location | : 1 * * Poletop is decayed rotten need X | | 11/29/2019 | | | ED.76-0182000000.STRU.POL | | Watsonville | | | 0836 |
| | | | | The second secon | 140221300 | 21/29/2019 | | 101692678 | ED.76-0182000000.STRU.POLE | 01820 | Watsonville | | 122 | 7 083 |



STATION: PG643

STATION NAME: Old Adobe Road

LATITUDE: 36.94774 # LONGITUDE: -121.81515 # ELEVATION [ft]: 278

| Station_ | | | relative_humidit | wind speed set | | | wind_direction_ | dew_point_tem wind_ca | ardinal di |
|----------------|--|----------------|------------------|----------------|------------|-----------------|-----------------|------------------------------|------------|
| ID | Date_Time | | y_set_1 | _1 | volt_set_1 | wind_gust_set_1 | set_1 | perature_set_1d rection_ | _ |
| DCC42 | 01/10/2021 00:00 PCT | Fahrenheit | % | Miles/hour | volts | Miles/hour 7.59 | Degrees | Fahrenheit code 11.04 NNW | |
| PG643 PG643 | 01/19/2021 00:00 PST | 64.03 | 12.36 11.5 | 3.49 | | | 347.2 | | |
| PG643 | 01/19/2021 00:10 PST 01/19/2021 00:20 PST | 65.18 64.1 | 11.5 12.43 | 7.03 4.87 | | | 6.16 288.5 | | |
| PG643 | 01/19/2021 00:20 PST 01/19/2021 00:30 PST | 64.02 | | 4.87 8.94 | | | 352.8 | | |
| PG643 | 01/19/2021 00:30 PST 01/19/2021 00:40 PST | 63.22 | | 5.11 | | | 301 | | |
| PG643 | 01/19/2021 00:50 PST | 62.59 | | 4.25 | | | | | |
| PG643 | 01/19/2021 01:00 PST | 62.59 | 14.69 | 3.53 | | | | | |
| PG643 | 01/19/2021 01:10 PST | 61.44 | 15.91 | 2.97 | | | 212.7 | | |
| PG643 | 01/19/2021 01:20 PST | 60.86 | | 3.06 | | | 217.7 | | |
| PG643 | 01/19/2021 01:30 PST | 61.2 | | 8.89 | | | | | |
| PG643 | 01/19/2021 01:40 PST | 61.14 | 16.85 | 6.46 | | | 313.2 | | |
| PG643 | 01/19/2021 01:50 PST | 60.6 | | 7.78 | | | 301.2 | | |
| PG643 | 01/19/2021 02:00 PST | 60.27 | 18.23 | 9.17 | 12.73 | 21.92 | 329.8 | | |
| PG643 | 01/19/2021 02:10 PST | 59.87 | 18.73 | 9.54 | 12.73 | 20.75 | 336.7 | 17.05 NNW | |
| PG643 | 01/19/2021 02:20 PST | 59.38 | 19.29 | 5.35 | 12.74 | 15.86 | 340 | 17.32 NNW | |
| PG643 | 01/19/2021 02:30 PST | 58.93 | 19.25 | 6.41 | 12.73 | 16.44 | 333.1 | 16.89 NNW | |
| PG643 | 01/19/2021 02:40 PST | 58.91 | 19.08 | 5.45 | 12.73 | 17.46 | 339.4 | 16.67 NNW | |
| PG643 | 01/19/2021 02:50 PST | 58.6 | 19.06 | 4.57 | 12.72 | 23.02 | 334.3 | 16.39 NNW | |
| PG643 | 01/19/2021 03:00 PST | 58.42 | 18.61 | 10.73 | 12.71 | 25.06 | 342 | 15.7 NNW | |
| PG643 | 01/19/2021 03:10 PST | 58 | 18.88 | 6.32 | 12.71 | 19.95 | 349.8 | 15.68 N | |
| PG643 | 01/19/2021 03:20 PST | 57.68 | | 6.91 | | | 6.83 | | |
| PG643 | 01/19/2021 03:30 PST | 57.08 | 19.72 | 8.01 | | | 1.22 | | |
| PG643 | 01/19/2021 03:40 PST | 56.93 | 19.76 | 10.92 | | | 8.93 | | |
| PG643 | 01/19/2021 03:50 PST | 57 | 19.42 | 12.98 | | | | | |
| PG643 | 01/19/2021 04:00 PST | 56.78 | | 13.66 | | | | | |
| PG643 | 01/19/2021 04:10 PST | 56.28 | 20.29 | 11.76 | | | 7.94 | | |
| PG643 | 01/19/2021 04:20 PST | | | 13.51 | | | 9.67 | | |
| PG643 | | | | | | | | | |
| PG643 PG643 | 01/19/2021 04:40 PST 01/19/2021 04:50 PST | | | | | | | | |
| PG643 | 01/19/2021 04:30 PST 01/19/2021 05:00 PST | | | | | | | | |
| PG643 | 01/19/2021 05:00 PST 01/19/2021 05:10 PST | | | | | | | | |
| PG643 | 01/19/2021 05:10 PST | | | | | | | | |
| PG643 | 01/19/2021 05:30 PST | | | | | | | | |
| PG643 | 01/19/2021 05:40 PST | | | | | | | | |
| PG643 | 01/19/2021 05:50 PST | | | | | | | | |
| PG643 | 01/19/2021 06:00 PST | | | | | | | | |
| PG643 | 01/19/2021 06:10 PST | | | | | | | | |
| PG643 | 01/19/2021 06:20 PST | | | | | | | | |
| PG643 | 01/19/2021 06:30 PST | 56.63 | 16.92 | 17.18 | 12.67 | 31.42 | 18.37 | 12.07 NNE | |
| PG643 | 01/19/2021 06:40 PST | 56.66 | 16.69 | 17.75 | 12.66 | 33.46 | 19.17 | 11.78 NNE | |
| PG643 | 01/19/2021 06:50 PST | 56.51 | 16.69 | 15.69 | 12.66 | 36.74 | 21.2 | 11.66 NNE | |
| PG643 | 01/19/2021 07:00 PST | 56.77 | 16.2 | 19.02 | 12.66 | 37.63 | 16.23 | 11.21 NNE | |
| PG643 | 01/19/2021 07:10 PST | | | | | | | | |
| PG643 | 01/19/2021 07:20 PST | | | | | | | | |
| PG643 | 01/19/2021 07:30 PST | | | | | | | | |
| PG643 | 01/19/2021 07:40 PST | | | | | | | | |
| PG643 | 01/19/2021 07:50 PST | | | | | | | | |
| PG643 | 01/19/2021 08:00 PST | | | | | | | | |
| PG643 | 01/19/2021 08:10 PST | | | | | | | | |
| PG643 | 01/19/2021 08:20 PST | | | | | | | | |
| PG643 PG643 | 01/19/2021 08:30 PST | | | | | | | | |
| PG643 | 01/19/2021 08:40 PST 01/19/2021 08:50 PST | | | | | | | | |
| PG643 PG643 | 01/19/2021 08:50 PST 01/19/2021 09:00 PST | | | | | | | | |
| PG643 | 01/19/2021 09:00 PST 01/19/2021 09:10 PST | | | | | | | | |
| PG643 | 01/19/2021 09:10 PST 01/19/2021 09:20 PST | | | | | | | | |
| PG643 | 01/19/2021 09:20 PST 01/19/2021 09:30 PST | 57.18 58.04 | | 16.38 | | | | | |
| PG643 | 01/19/2021 09:40 PST | 58.69 | | 16.31 | | | | | |
| PG643 | 01/19/2021 09:40 PST 01/19/2021 09:50 PST | 58.98 | | 14.51 | | | 24.35 25.85 | | |
| PG643 | 01/19/2021 09:30 PST 01/19/2021 10:00 PST | 59.17 | | 15.22 | | | | | |
| PG643 | 01/19/2021 10:00 PST | 59.42 | | 14.25 | | | | | |
| PG643 | 01/19/2021 10:10 PST | 59.69 | 15.59 | 12.93 | | | 28.11 | 12.73 NNE | |
| PG643 | 01/19/2021 10:30 PST | 60.05 | 15.69 | 11.91 | | | 29.95 | | |
| | , -, ==== ============================= | 20.33 | 23.03 | 11.01 | 20.00 | | _5.55 | | |

STATION: PG643

STATION NAME: Old Adobe Road

LATITUDE: 36.94774 # LONGITUDE: -121.81515 # ELEVATION [ft]: 278

| Station_ | _ | | relative_humidit | wind_speed_set | | | wind_direction_ | dew_point_tem | wind_cardinal_di |
|----------|----------------------|----------------|------------------|----------------|------------|-----------------|-----------------|-----------------|------------------|
| ID | Date_Time | air_temp_set_1 | y_set_1 | _1 | volt_set_1 | wind_gust_set_1 | set_1 | perature_set_1d | rection_set_1d |
| | | Fahrenheit | % | Miles/hour | volts | Miles/hour | Degrees | Fahrenheit | code |
| PG643 | 01/19/2021 10:40 PST | 60.31 | . 15.5 | 7 11.69 | 13.69 | 26.16 | 28.82 | 13.21 | NNE |
| PG643 | 01/19/2021 10:50 PST | 60.41 | . 15.3 | 5 11.37 | 13.69 | 21.41 | 29.92 | 12.98 | NNE |
| PG643 | 01/19/2021 11:00 PST | 60.9 | 15.3 | 9.54 | 13.69 | 16.59 | 44.49 | 13.32 | NE |
| PG643 | 01/19/2021 11:10 PST | 61.09 | 15.7 | 10.63 | 13.69 | 26.23 | 33.71 | 14.06 | NNE |
| PG643 | 01/19/2021 11:20 PST | 61.45 | 15.4 | 3 13.43 | 13.69 | 24.26 | 36.58 | 14 | NE |
| PG643 | 01/19/2021 11:30 PST | 61.89 | 15.9 | 7 11.96 | 13.69 | 23.82 | 37.25 | 15.07 | NE |
| PG643 | 01/19/2021 11:40 PST | 61.86 | 15.79 | 12.93 | 13.69 | 23.75 | 40.67 | 14.78 | NE |
| PG643 | 01/19/2021 11:50 PST | 61.85 | 15.8 | 14.87 | 13.69 | 24.33 | 30.36 | 14.85 | NNE |
| PG643 | 01/19/2021 12:00 PST | 62.04 | 15.7 | L 13.57 | 13.69 | 27.91 | 30.78 | 14.82 | NNE |
| PG643 | 01/19/2021 12:10 PST | 62.59 | 16.6 | 9.65 | 13.69 | 21.12 | 19.06 | 16.55 | NNE |
| PG643 | 01/19/2021 12:20 PST | 62.03 | 17.1 | 7 12.35 | 13.69 | 19.66 | 13.55 | 16.83 | NNE |
| PG643 | 01/19/2021 12:30 PST | 62.61 | 17.3 | 9.86 | 13.69 | 18.92 | 13.24 | 17.52 | NNE |
| PG643 | 01/19/2021 12:40 PST | 62.84 | 17.2 | 3 11.1 | 13.69 | 18.85 | 9.41 | 17.58 | N |
| PG643 | 01/19/2021 12:50 PST | 63.55 | 16.7 | 10.96 | 13.69 | 19.73 | 7.6 | 17.49 | N |
| PG643 | 01/19/2021 13:00 PST | 64 | 15.9 | 9.78 | 13.69 | 17.17 | 27.23 | 16.72 | NNE |
| PG643 | 01/19/2021 13:10 PST | 64.22 | 15.5 | 10.17 | 13.69 | 19.66 | 37.43 | 16.3 | NE |
| PG643 | 01/19/2021 13:20 PST | 64.36 | 15.4 | 9.61 | 13.69 | 20.68 | 51.42 | 16.37 | NE |
| PG643 | 01/19/2021 13:30 PST | 64.43 | 15.2 | 7 11.71 | 13.69 | 20.46 | 52.77 | 16.11 | NE |
| PG643 | 01/19/2021 13:40 PST | 64.78 | 15.3 | 11.65 | 13.69 | 20.68 | 46.67 | 16.5 | NE |
| PG643 | 01/19/2021 13:50 PST | 65.15 | 15.5 | 9.83 | 13.69 | 17.9 | 32.89 | 17.11 | NNE |
| PG643 | 01/19/2021 14:00 PST | 65.59 | 15.6 | L 9.32 | 13.69 | 19.66 | 35.4 | 17.56 | NE |
| PG643 | 01/19/2021 14:10 PST | 65.71 | . 15.7 | 8.47 | 13.69 | 15.86 | 28.37 | 17.89 | NNE |
| PG643 | 01/19/2021 14:20 PST | 65.71 | . 15.3 | 8.82 | 13.69 | 16.88 | 37.55 | 17.24 | NE |
| PG643 | 01/19/2021 14:30 PST | 66.27 | 15.88 | 3 7.7 | 13.69 | 15.64 | 46.69 | 18.51 | NE |
| PG643 | 01/19/2021 14:40 PST | 66.39 | 15.2 | 8.9 | 13.69 | 15.64 | 53.46 | 17.72 | NE |
| PG643 | 01/19/2021 14:50 PST | 66.32 | 15. | 9.76 | 13.69 | 18.27 | 61.21 | 17.54 | ENE |
| PG643 | 01/19/2021 15:00 PST | 66.2 | 14.8 | 10.73 | 13.69 | 19.58 | 59.4 | 16.89 | ENE |
| PG643 | 01/19/2021 15:10 PST | 66.33 | 15.0 | 9.52 | 13.69 | 17.1 | 52.34 | 17.29 | NE |
| PG643 | 01/19/2021 15:20 PST | 66.33 | 15.2 | 3 10.16 | 13.67 | 18.41 | 62.79 | 17.67 | ENE |
| PG643 | 01/19/2021 15:30 PST | 66.32 | 15.4 | 8.49 | 13.48 | 14.53 | 43.56 | 17.87 | NE |
| PG643 | 01/19/2021 15:40 PST | 66.37 | 15.6 | 8.68 | 13.24 | 16.51 | 56.37 | 18.24 | ENE |
| PG643 | 01/19/2021 15:50 PST | 66.2 | 15.5 | 8.01 | 13.16 | 14.83 | 44.12 | 18.01 | NE |
| PG643 | 01/19/2021 16:00 PST | 66.12 | 15.9 | L 8.74 | 13.11 | 15.42 | 57.75 | 18.43 | ENE |
| PG643 | 01/19/2021 16:10 PST | 65.99 | 16. | 7.73 | 13.08 | 14.69 | 40.56 | 18.74 | NE |
| PG643 | 01/19/2021 16:20 PST | 65.86 | 16.0 | L 7.17 | 13.07 | 12.57 | 45.89 | 18.36 | NE |
| PG643 | 01/19/2021 16:30 PST | 65.67 | 16.1 | 5.74 | 13.04 | 11.54 | 45.41 | 18.41 | NE |
| PG643 | 01/19/2021 16:40 PST | 65.41 | 16.6 | 4.79 | 13.04 | 8.4 | 38.51 | 18.86 | NE |
| PG643 | 01/19/2021 16:50 PST | 64.79 | 17.5 | 5.36 | 13.03 | 11.1 | 5.93 | 19.57 | N |
| PG643 | 01/19/2021 17:00 PST | 63.91 | 18.4 | 5.6 | 12.99 | 10.16 | 352.3 | 20.01 | N |
| PG643 | 01/19/2021 17:10 PST | 63.42 | 18.8 | 4.96 | 12.96 | 8.04 | 340.5 | 20.18 | NNW |
| PG643 | 01/19/2021 17:20 PST | 63.21 | 18.8 | 3.41 | 12.96 | 6.06 | 312.3 | 20 | NW |
| PG643 | 01/19/2021 17:30 PST | 62.83 | 18.89 | 3.71 | 12.94 | 6.21 | 343.9 | 19.7 | NNW |
| PG643 | 01/19/2021 17:40 PST | 62.2 | 19.5 | 3.14 | 12.93 | 6.72 | 14.21 | 19.98 | NNE |
| PG643 | 01/19/2021 17:50 PST | 61.63 | 19.8 | 2.69 | 12.92 | 5.56 | 351 | 19.82 | N |
| PG643 | 01/19/2021 18:00 PST | 61.49 | 19.7 | 3.58 | 12.92 | 7.96 | 359.7 | 19.62 | N |
| PG643 | 01/19/2021 18:10 PST | 61.21 | . 19. | 7 2.81 | 12.93 | 5.41 | 353.2 | 19.33 | N |
| PG643 | 01/19/2021 18:20 PST | 60.82 | 20.1 | 3.04 | 12.92 | 5.7 | 2.5 | 19.54 | N |
| PG643 | 01/19/2021 18:30 PST | 59.83 | 21.1 | 5 2.77 | 12.91 | 4.6 | 32.86 | 19.84 | NNE |
| PG643 | 01/19/2021 18:40 PST | 59.58 | 21.1 | 3.54 | 12.9 | 5.78 | 41.6 | 19.65 | NE |
| PG643 | 01/19/2021 18:50 PST | 59.58 | 21.2 | 5.42 | 12.9 | 8.48 | 30.5 | 19.7 | NNE |
| PG643 | 01/19/2021 19:00 PST | 58.8 | 22.2 | L 6.35 | 12.89 | 9.57 | 9.12 | 20.1 | N |
| | | | | | | | | | |

STATION NAME: Watsonville Municipal

Watsonville Airport

LATITUDE: 36.93944 # LONGITUDE: -121.78889 # ELEVATION [ft]: 161

| | | | | | | | | wind_card | | |
|------------|----------------------|------------|------------|------------|-----------|------------|-----------|-------------|-----------|------------|
| | | | | relative_h | | wind_dire | | inal_direct | • | sea_level_ |
| | | altimeter_ | _air_temp_ | umidity_s | wind_spe | ction_set_ | wind_gust | ion_set_1 | pressure_ | pressure_ |
| Station_ID | Date_Time | set_1 | set_1 | et_1 | ed_set_1 | 1 | _set_1 | d | set_1d | set_1d |
| | | | Fahrenhei | | Miles/hou | | Miles/hou | | | |
| | | INHG | t | % | r | Degrees | r | code | INHG | INHG |
| KWVI | 01/19/2021 00:00 PST | 29.81 | 60.8 | 15.76 | 3.45 | 110 | | ESE | 29.64 | 29.73 |
| KWVI | 01/19/2021 00:05 PST | 29.81 | 62.6 | 13.66 | | | | | 29.64 | 29.73 |
| KWVI | 01/19/2021 00:10 PST | 29.8 | 64.4 | 12.83 | 8.06 | 350 | | N | 29.63 | 29.72 |
| KWVI | 01/19/2021 00:15 PST | 29.8 | 64.4 | 12.83 | 12.66 | 360 | 21.86 | N | 29.63 | 29.72 |
| KWVI | 01/19/2021 00:20 PST | 29.81 | 64.4 | 12.83 | 5.75 | 340 | | NNW | 29.64 | 29.73 |
| KWVI | 01/19/2021 00:25 PST | 29.81 | 64.4 | 12.83 | 9.21 | 360 | | N | 29.64 | 29.73 |
| KWVI | 01/19/2021 00:30 PST | 29.82 | 64.4 | 12.83 | 5.75 | 330 | | NNW | 29.65 | 29.74 |
| KWVI | 01/19/2021 00:35 PST | 29.82 | 62.6 | 13.66 | 3.45 | 340 | | NNW | 29.65 | 29.74 |
| KWVI | 01/19/2021 00:40 PST | 29.82 | 62.6 | 14.79 | 3.45 | 320 | | NW | 29.65 | 29.74 |
| KWVI | 01/19/2021 00:45 PST | 29.83 | 62.6 | 14.79 | 3.45 | 250 | | WSW | 29.66 | 29.75 |
| KWVI | 01/19/2021 00:50 PST | 29.82 | | | | | | WSW | 29.65 | |
| KWVI | 01/19/2021 00:53 PST | 29.82 | | | | | | WSW | 29.65 | |
| KWVI | 01/19/2021 00:55 PST | 29.82 | | | | | | W | 29.65 | |
| KWVI | 01/19/2021 01:00 PST | 29.82 | | | | | | WSW | 29.65 | |
| KWVI | 01/19/2021 01:05 PST | 29.82 | | | | | | SSW | 29.65 | |
| KWVI | 01/19/2021 01:10 PST | 29.82 | | | | | | | 29.65 | |
| KWVI | 01/19/2021 01:15 PST | 29.82 | | | | 360 | | N | 29.65 | |
| KWVI | 01/19/2021 01:20 PST | 29.83 | | | | | | NNW | 29.66 | |
| KWVI | 01/19/2021 01:25 PST | 29.83 | | | | | | N | 29.66 | |
| KWVI | 01/19/2021 01:30 PST | 29.82 | | | | | | NNW | 29.65 | |
| KWVI | 01/19/2021 01:35 PST | 29.82 | | | | | | NNW | 29.65 | |
| KWVI | 01/19/2021 01:40 PST | 29.81 | | | | | | NNW | 29.64 | |
| KWVI | 01/19/2021 01:45 PST | 29.82 | | | | | | N | 29.65 | |
| KWVI | 01/19/2021 01:50 PST | 29.81 | | | | | | NNW | 29.64 | |
| KWVI | 01/19/2021 01:53 PST | 29.81 | | | 10.36 | | | NNW | 29.64 | |
| KWVI | 01/19/2021 01:55 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:00 PST | 29.81 | | | | | | NNW | 29.64 | |
| KWVI | 01/19/2021 02:05 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:10 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:15 PST | 29.82 | | | | | | | 29.65 | |
| KWVI | 01/19/2021 02:20 PST | 29.81 | | | | 360 | | N | 29.64 | |
| KWVI | 01/19/2021 02:25 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:30 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:35 PST | 29.81 | | | | | | | 29.64 | |
| KWVI | 01/19/2021 02:40 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:45 PST | 29.81 | | | | | | N | 29.64 | |
| KWVI | 01/19/2021 02:50 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 02:53 PST | 29.8 | | | | 340 | | NNW | 29.63 | |
| KWVI | 01/19/2021 02:55 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 03:00 PST | 29.8 | | | | | | N | 29.63 | |
| KWVI | 01/19/2021 03:05 PST | 29.8 | | | | | | NNE | 29.63 | |
| KWVI | 01/19/2021 03:00 PST | 29.8 | | | | | | NNE | 29.63 | |
| KWVI | 01/19/2021 03:10 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 03:13 PST | 29.79 | | | | | | N | 29.62 | |
| KWVI | 01/19/2021 03:25 PST | 29.79 | | | | | | | 29.62 | |
| KWVI | 01/19/2021 03:30 PST | 29.79 | | | | | | NNE | 29.62 | |
| KWVI | 01/19/2021 03:35 PST | 29.78 | | | | | | | 29.61 | |
| | | | | | | - | | | | = |

STATION NAME: Watsonville Municipal

Watsonville Airport

LATITUDE: 36.93944 # LONGITUDE: -121.78889 # ELEVATION [ft]: 161

| # JIAIL. CA | | | | | | | | wind_card | | |
|-------------|----------------------|-----------|-----------|------------|-----------|------------|-----------|-------------|--------|------------|
| | | | | relative_h | | wind_dire | | inal_direct | | sea_level_ |
| | | altimeter | air temp | _ | wind spe | ction_set_ | wind gust | _ | | |
| Station_ID | Date_Time | set_1 | set_1 | et_1 | ed_set_1 | | _set_1 | d | set_1d | set_1d |
| | | | Fahrenhei | | Miles/hou | | Miles/hou | - | | |
| | | INHG | t | % | r | Degrees | r | code | INHG | INHG |
| KWVI | 01/19/2021 03:40 PST | 29.78 | | | 14.96 | _ | | | 29.61 | |
| KWVI | 01/19/2021 03:45 PST | 29.78 | | | | | | N | 29.61 | |
| KWVI | 01/19/2021 03:50 PST | 29.78 | | | | | | | 29.61 | |
| KWVI | 01/19/2021 03:53 PST | 29.77 | | | | | | | 29.6 | |
| KWVI | 01/19/2021 03:55 PST | 29.78 | | | | | | | 29.61 | |
| KWVI | 01/19/2021 04:00 PST | 29.77 | | | | | | N | 29.6 | |
| KWVI | 01/19/2021 04:05 PST | 29.77 | | | | | | | 29.6 | |
| KWVI | 01/19/2021 04:10 PST | 29.77 | | | | | | N | 29.6 | |
| KWVI | 01/19/2021 04:15 PST | 29.77 | | | | | | NNE | 29.6 | |
| KWVI | 01/19/2021 04:20 PST | 29.76 | | | | | | N | 29.59 | |
| KWVI | 01/19/2021 04:25 PST | 29.77 | | | | | | N | 29.6 | |
| KWVI | 01/19/2021 04:30 PST | 29.77 | | | | | | NNE | 29.6 | |
| KWVI | 01/19/2021 04:35 PST | 29.77 | | | | | | NNE | 29.6 | |
| KWVI | 01/19/2021 04:40 PST | 29.77 | | | | | | NNE | 29.6 | |
| KWVI | 01/19/2021 04:45 PST | 29.77 | | | | | | N | 29.6 | |
| KWVI | 01/19/2021 04:50 PST | 29.76 | | | | | | N | 29.59 | |
| KWVI | 01/19/2021 04:53 PST | 29.77 | | | | | | NNE | 29.6 | |
| KWVI | 01/19/2021 04:55 PST | 29.76 | | | | | | N | 29.59 | |
| KWVI | 01/19/2021 05:00 PST | 29.76 | 57.2 | 17.92 | 10.36 | 10 | | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:05 PST | 29.76 | | 20.7 | 9.21 | 10 | | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:10 PST | 29.76 | 55.4 | 20.7 | 13.81 | 10 | 21.86 | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:15 PST | 29.76 | | | 11.51 | 360 | | N | 29.59 | |
| KWVI | 01/19/2021 05:20 PST | 29.76 | 57.2 | 17.92 | 12.66 | 10 | 19.56 | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:25 PST | 29.76 | 57.2 | 17.92 | 10.36 | 10 | 16.11 | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:30 PST | 29.77 | 57.2 | 17.92 | 16.11 | 20 | 26.47 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 05:35 PST | 29.77 | 57.2 | 17.92 | 10.36 | 10 | 16.11 | N | 29.6 | 29.69 |
| KWVI | 01/19/2021 05:40 PST | 29.76 | 57.2 | 17.92 | 13.81 | 10 | | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:45 PST | 29.77 | 57.2 | 17.92 | 13.81 | 10 | 24.17 | N | 29.6 | 29.69 |
| KWVI | 01/19/2021 05:50 PST | 29.77 | 57.2 | 17.92 | 12.66 | 20 | 19.56 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 05:53 PST | 29.76 | 57.02 | 18.04 | 16.11 | 20 | 27.62 | NNE | 29.59 | 29.68 |
| KWVI | 01/19/2021 05:55 PST | 29.76 | 57.2 | 17.92 | 14.96 | 20 | 25.32 | NNE | 29.59 | 29.68 |
| KWVI | 01/19/2021 06:00 PST | 29.77 | 57.2 | 16.55 | 16.11 | 20 | 24.17 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:05 PST | 29.77 | 57.2 | 17.92 | 14.96 | 20 | 24.17 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:10 PST | 29.77 | 57.2 | 17.92 | 14.96 | 20 | | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:15 PST | 29.77 | 57.2 | 16.55 | 17.26 | 20 | | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:20 PST | 29.77 | 57.2 | 16.55 | 16.11 | 20 | 25.32 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:25 PST | 29.77 | 57.2 | 16.55 | 13.81 | 20 | 26.47 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:30 PST | 29.77 | 57.2 | 16.55 | 14.96 | 20 | 21.86 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:35 PST | 29.77 | 57.2 | 16.55 | 18.41 | 20 | 26.47 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:40 PST | 29.77 | 57.2 | 16.55 | 16.11 | 20 | 26.47 | NNE | 29.6 | 29.69 |
| KWVI | 01/19/2021 06:45 PST | 29.76 | 57.2 | 16.55 | 14.96 | 20 | 28.77 | NNE | 29.59 | 29.68 |
| KWVI | 01/19/2021 06:50 PST | 29.76 | 57.2 | 16.55 | 20.71 | 10 | 26.47 | N | 29.59 | 29.68 |
| KWVI | 01/19/2021 06:53 PST | 29.76 | 57.92 | 16 | 14.96 | 20 | 36.82 | NNE | 29.59 | |
| KWVI | 01/19/2021 06:55 PST | 29.76 | | | | | | | 29.59 | |
| KWVI | 01/19/2021 07:00 PST | 29.75 | | | | | | NNE | 29.58 | |
| KWVI | 01/19/2021 07:05 PST | 29.76 | | | | | | | 29.59 | |
| KWVI | 01/19/2021 07:10 PST | 29.76 | 57.2 | 16.55 | 21.86 | 30 | 37.98 | NNE | 29.59 | 29.68 |

STATION NAME: Watsonville Municipal

Watsonville Airport

LATITUDE: 36.93944 # LONGITUDE: -121.78889 # ELEVATION [ft]: 161

| # STATE: CA | | | | | | | | | | |
|-------------|---------------------------------|-------|-----------|------------|-----------|----------------|-----------|-------------|-----------|------------|
| | | | | | | مناها الممانية | | wind_card | | and lavel |
| | | -14: | -: | relative_h | | wind_dire | | inal_direct | | sea_level_ |
| Charles ID | Data Tina | | | | | | | | pressure_ | |
| Station_ID | Date_Time | set_1 | set_1 | et_1 | ed_set_1 | 1 | _set_1 | d | set_1d | set_1d |
| | | | Fahrenhei | 0/ | Miles/hou | _ | Miles/hou | | | |
| | 0.4 / 1.0 / 2.0 0.4 0.7 4.7 0.7 | INHG | t | % | r | Degrees | r | code | INHG | INHG |
| KWVI | 01/19/2021 07:15 PST | 29.76 | | | | | | | 29.59 | |
| KWVI | 01/19/2021 07:20 PST | 29.75 | | | | | | | 29.58 | |
| KWVI | 01/19/2021 07:25 PST | 29.76 | | | | | | | 29.59 | |
| KWVI | 01/19/2021 07:30 PST | 29.76 | | | | | | | 29.59 | 29.69 |
| KWVI | 01/19/2021 07:35 PST | 29.76 | | | | 30 | | | 29.59 | |
| KWVI | 01/19/2021 07:40 PST | 29.76 | | | | | | NNE | 29.59 | 29.69 |
| KWVI | 01/19/2021 07:45 PST | 29.76 | | | | | | | 29.59 | |
| KWVI | 01/19/2021 07:50 PST | 29.77 | | | | | | | 29.6 | 29.7 |
| KWVI | 01/19/2021 07:53 PST | 29.77 | | | | 30 | | | 29.6 | 29.7 |
| KWVI | 01/19/2021 07:55 PST | 29.77 | | | | | | | 29.6 | |
| KWVI | 01/19/2021 08:00 PST | 29.78 | | | | | 28.77 | | 29.61 | |
| KWVI | 01/19/2021 08:05 PST | 29.78 | | | | | | | 29.61 | |
| KWVI | 01/19/2021 08:10 PST | 29.78 | | | | | | | 29.61 | |
| KWVI | 01/19/2021 08:15 PST | 29.78 | | | | | | NNE | 29.61 | |
| KWVI | 01/19/2021 08:20 PST | 29.78 | | | | | | | 29.61 | |
| KWVI | 01/19/2021 08:25 PST | 29.79 | | | | | | | 29.62 | |
| KWVI | 01/19/2021 08:30 PST | 29.79 | | | | | | NNE | 29.62 | |
| KWVI | 01/19/2021 08:35 PST | 29.79 | | | | | | | 29.62 | |
| KWVI | 01/19/2021 08:40 PST | 29.79 | | | | | | | 29.62 | |
| KWVI | 01/19/2021 08:45 PST | 29.79 | | | | | | NNE | 29.62 | |
| KWVI | 01/19/2021 08:50 PST | 29.8 | | | | | | | 29.63 | 29.72 |
| KWVI | 01/19/2021 08:53 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 08:55 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 09:00 PST | 29.8 | | | | | | | 29.63 | |
| KWVI | 01/19/2021 09:05 PST | 29.81 | | | | | | | 29.64 | |
| KWVI | 01/19/2021 09:10 PST | 29.81 | | | | | | | 29.64 | |
| KWVI | 01/19/2021 09:15 PST | 29.81 | | | | | | | 29.64 | |
| KWVI | 01/19/2021 09:20 PST | 29.81 | | | | | | | 29.64 | |
| KWVI | 01/19/2021 09:25 PST | 29.82 | | | | | | | 29.65 | |
| KWVI | 01/19/2021 09:30 PST | 29.83 | | | | | | | 29.66 | |
| KWVI | 01/19/2021 09:35 PST | 29.84 | | | | | | | 29.67 | |
| KWVI | 01/19/2021 09:40 PST | 29.84 | | | | | | | 29.67 | |
| KWVI | 01/19/2021 09:45 PST | 29.84 | | | | | | NNE | 29.67 | |
| KWVI | 01/19/2021 09:50 PST | 29.85 | | | | | | | 29.68 | |
| KWVI | 01/19/2021 09:53 PST | 29.86 | | | | | | | 29.69 | |
| KWVI | 01/19/2021 09:55 PST | 29.86 | | | | | | NNE | 29.69 | |
| KWVI | 01/19/2021 10:00 PST | 29.86 | | | | | | | 29.69 | |
| KWVI | 01/19/2021 10:05 PST | 29.87 | | | | | | | 29.7 | |
| KWVI | 01/19/2021 10:10 PST | 29.87 | | | | | | | 29.7 | |
| KWVI | 01/19/2021 10:15 PST | 29.88 | | | | | | | 29.71 | |
| KWVI | 01/19/2021 10:20 PST | 29.88 | | | | | | | 29.71 | |
| KWVI | 01/19/2021 10:25 PST | 29.88 | | | | | | NNE | 29.71 | |
| KWVI | 01/19/2021 10:30 PST | 29.89 | | | | | | NNE | 29.72 | |
| KWVI | 01/19/2021 10:35 PST | 29.89 | | | | | | | 29.72 | |
| KWVI | 01/19/2021 10:40 PST | 29.89 | | | | | | | 29.72 | |
| KWVI | 01/19/2021 10:45 PST | 29.9 | | | | | | | 29.73 | |
| KWVI | 01/19/2021 10:50 PST | 29.9 | | | | | | N | 29.73 | |
| KWVI | 01/19/2021 10:53 PST | 29.9 | 62.96 | 15.31 | 13.81 | 50 | 20.71 | NE | 29.73 | 29.81 |

STATION NAME: Watsonville Municipal

Watsonville Airport

LATITUDE: 36.93944 # LONGITUDE: -121.78889 # ELEVATION [ft]: 161

| #STATE: CA | | | | | | | | wind card | | |
|--------------|--|----------------|-----------|------------|-----------|-----------|-----------|-----------------------|----------------|---------------------|
| | | | | relative_h | | wind dire | | wind_card inal_direct | | coa lovol |
| | | altimotor | air_temp_ | _ | wind cno | wind_dire | wind auct | _ | | sea_level_ |
| Station_ID | Date_Time | set_1 | set_1 | et_1 | ed_set_1 | | _set_1 | ion_set_1 d | set_1d | pressure_ set_1d |
| Station_iD | Date_IIIIle | 361_1 | Fahrenhei | C(_1 | Miles/hou | ± | Miles/hou | u | 3Et_1u | 3et_1u |
| | | INHG | t | % | r | Degrees | r | code | INHG | INHG |
| KWVI | 01/19/2021 10:55 PST | 29.9 | | | | _ | | NNE | 29.73 | 29.82 |
| KWVI | 01/19/2021 11:00 PST | 29.9 | | | | | | | 29.73 | |
| KWVI | 01/19/2021 11:05 PST | 29.9 | | | | | | NE | 29.73 | |
| KWVI | 01/19/2021 11:10 PST | 29.9 | | | | | | | 29.73 | 29.81 |
| KWVI | 01/19/2021 11:15 PST | 29.9 | | | | | | NE | 29.73 | |
| KWVI | 01/19/2021 11:20 PST | 29.89 | 64.4 | 15.03 | | | | NE | 29.72 | |
| KWVI | 01/19/2021 11:25 PST | 29.9 | | 15.03 | | | | NE | 29.73 | 29.81 |
| KWVI | 01/19/2021 11:30 PST | 29.89 | 64.4 | 13.89 | 16.11 | 50 | 24.17 | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 11:35 PST | 29.89 | 64.4 | 15.03 | 14.96 | 50 | | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 11:40 PST | 29.89 | 64.4 | 15.03 | 17.26 | 50 | | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 11:45 PST | 29.89 | 64.4 | 13.89 | 16.11 | 40 | | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 11:50 PST | 29.88 | 64.4 | 15.03 | 16.11 | 40 | 24.17 | NE | 29.71 | 29.79 |
| KWVI | 01/19/2021 11:53 PST | 29.89 | 64.04 | 14.75 | 17.26 | 40 | 26.47 | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 11:55 PST | 29.89 | 64.4 | 15.03 | 13.81 | 40 | 19.56 | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 12:00 PST | 29.89 | 64.4 | 15.03 | 10.36 | 50 | | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 12:05 PST | 29.89 | 64.4 | 15.03 | 13.81 | 30 | | NNE | 29.72 | 29.8 |
| KWVI | 01/19/2021 12:10 PST | 29.9 | 64.4 | 15.03 | 13.81 | 40 | | NE | 29.73 | 29.81 |
| KWVI | 01/19/2021 12:15 PST | 29.9 | 64.4 | 16.25 | 9.21 | 20 | | NNE | 29.73 | 29.8 |
| KWVI | 01/19/2021 12:20 PST | 29.89 | 66.2 | 15.26 | 11.51 | 20 | | NNE | 29.72 | 29.79 |
| KWVI | 01/19/2021 12:25 PST | 29.89 | 66.2 | 15.26 | 12.66 | 30 | | NNE | 29.72 | 29.79 |
| KWVI | 01/19/2021 12:30 PST | 29.89 | 66.2 | 14.12 | 14.96 | 40 | 20.71 | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 12:35 PST | 29.89 | 66.2 | 14.12 | 12.66 | 40 | 20.71 | NE | 29.72 | 29.8 |
| KWVI | 01/19/2021 12:40 PST | 29.89 | | | | | | NNE | 29.72 | |
| KWVI | 01/19/2021 12:45 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 12:50 PST | 29.89 | | | | | | NNE | 29.72 | |
| KWVI | 01/19/2021 12:53 PST | 29.89 | | | | | | | 29.72 | |
| KWVI | 01/19/2021 12:55 PST | 29.89 | | | | | | NNE | 29.72 | |
| KWVI | 01/19/2021 13:00 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:05 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:10 PST | 29.89 | | | | | | NNE | 29.72 | |
| KWVI | 01/19/2021 13:15 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:20 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:25 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI KWVI | 01/19/2021 13:30 PST 01/19/2021 13:35 PST | 29.89 29.89 | | | | | | NNE | 29.72 29.72 | |
| KWVI | 01/19/2021 13:35 PST 01/19/2021 13:40 PST | 29.89 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:45 PST | 29.69 | | | | | | NE | 29.72 | |
| KWVI | 01/19/2021 13:43 PST 01/19/2021 13:50 PST | 29.9 29.9 | | | | | | NE | 29.73 29.73 | |
| KWVI | 01/19/2021 13:53 PST | 29.9 | | | | | | | 29.73 | |
| KWVI | 01/19/2021 13:55 PST | 29.9 | | | | | | NE | 29.73 | |
| KWVI | 01/19/2021 14:00 PST | 29.9 | | | | | | NE | 29.73 | |
| KWVI | 01/19/2021 14:05 PST | 29.9 | | | | | | NNE | 29.73 | |
| KWVI | 01/19/2021 14:10 PST | 29.9 | | | | | | | 29.73 | |
| KWVI | 01/19/2021 14:15 PST | 29.9 | | | | | | NE | 29.73 | |
| KWVI | 01/19/2021 14:13 PST | 29.91 | | | | | | ENE | 29.74 | |
| KWVI | 01/19/2021 14:25 PST | 29.91 | | | | | | NE | 29.74 | |
| KWVI | 01/19/2021 14:30 PST | 29.91 | | | | | | NE | 29.74 | |
| KWVI | 01/19/2021 14:35 PST | 29.91 | | | | | | ENE | 29.74 | |
| | . , | | | | | | | | | - |

STATION NAME: Watsonville Municipal

Watsonville Airport

LATITUDE: 36.93944 # LONGITUDE: -121.78889 # ELEVATION [ft]: 161

| # JIAIL. CA | | | | | | | | wind_card | | |
|-------------|----------------------|-----------|-----------|------------|-----------|-----------|-----------|-------------|--------|------------|
| | | | | relative_h | | wind_dire | | inal_direct | | sea_level_ |
| | | altimeter | air_temp_ | _ | wind spe | _ | wind gust | _ | | pressure |
| Station_ID | Date_Time | set_1 | set_1 | et_1 | ed_set_1 | | _set_1 | d | set_1d | set_1d |
| _ | | _ | Fahrenhei | _ | Miles/hou | | Miles/hou | | | - · · · |
| | | INHG | t | % | r | Degrees | r | code | INHG | INHG |
| KWVI | 01/19/2021 14:40 PST | 29.92 | | 14.35 | 9.21 | 50 | | NE | 29.75 | 29.82 |
| KWVI | 01/19/2021 14:45 PST | 29.92 | | 14.58 | | 70 | | ENE | 29.75 | |
| KWVI | 01/19/2021 14:50 PST | 29.92 | | 14.58 | | 70 | | ENE | 29.75 | |
| KWVI | 01/19/2021 14:53 PST | 29.92 | | 15.29 | | 50 | | NE | 29.75 | |
| KWVI | 01/19/2021 14:55 PST | 29.92 | | 14.58 | | 60 | | | 29.75 | |
| KWVI | 01/19/2021 15:00 PST | 29.92 | | 14.58 | | 40 | | NE | 29.75 | |
| KWVI | 01/19/2021 15:05 PST | 29.92 | | 14.58 | | 60 | | ENE | 29.75 | |
| KWVI | 01/19/2021 15:10 PST | 29.92 | | 15.5 | | | | NE | 29.75 | |
| KWVI | 01/19/2021 15:15 PST | 29.92 | | 14.58 | | 60 | | | 29.75 | |
| KWVI | 01/19/2021 15:20 PST | 29.92 | | 14.58 | | | | | 29.75 | |
| KWVI | 01/19/2021 15:25 PST | 29.92 | | 14.58 | | 50 | | NE | 29.75 | |
| KWVI | 01/19/2021 15:30 PST | 29.91 | | 15.5 | | 60 | | ENE | 29.74 | |
| KWVI | 01/19/2021 15:35 PST | 29.92 | | 15.5 | | 50 | | NE | 29.75 | |
| KWVI | 01/19/2021 15:40 PST | 29.92 | | 15.5 | | 70 | | ENE | 29.75 | |
| KWVI | 01/19/2021 15:45 PST | 29.92 | | 15.5 | | 70 | | ENE | 29.75 | |
| KWVI | 01/19/2021 15:50 PST | 29.92 | | 15.5 | | 80 | | E | 29.75 | |
| KWVI | 01/19/2021 15:53 PST | 29.92 | | 15.86 | | 70 | | ENE | 29.75 | |
| KWVI | 01/19/2021 15:55 PST | 29.92 | | 15.5 | | 40 | | NE | 29.75 | |
| KWVI | 01/19/2021 16:00 PST | 29.92 | 68 | 15.5 | 6.91 | 60 | | ENE | 29.75 | 29.81 |
| KWVI | 01/19/2021 16:05 PST | 29.92 | | 15.5 | | 40 | | NE | 29.75 | |
| KWVI | 01/19/2021 16:10 PST | 29.92 | | 15.5 | | 60 | | ENE | 29.75 | |
| KWVI | 01/19/2021 16:15 PST | 29.93 | | 15.5 | 8.06 | 40 | | NE | 29.76 | 29.82 |
| KWVI | 01/19/2021 16:20 PST | 29.93 | 68 | 15.5 | 6.91 | 60 | | ENE | 29.76 | 29.82 |
| KWVI | 01/19/2021 16:25 PST | 29.93 | 66.2 | 16.49 | 6.91 | 60 | | ENE | 29.76 | 29.83 |
| KWVI | 01/19/2021 16:30 PST | 29.93 | 66.2 | 16.49 | 4.6 | 60 | | ENE | 29.76 | 29.83 |
| KWVI | 01/19/2021 16:35 PST | 29.93 | 66.2 | 16.49 | 5.75 | 50 | | NE | 29.76 | 29.83 |
| KWVI | 01/19/2021 16:40 PST | 29.93 | 66.2 | 16.49 | 4.6 | 40 | | NE | 29.76 | 29.83 |
| KWVI | 01/19/2021 16:45 PST | 29.94 | 66.2 | 16.49 | 5.75 | 40 | | NE | 29.77 | 29.84 |
| KWVI | 01/19/2021 16:50 PST | 29.94 | 66.2 | 16.49 | 6.91 | 30 | | NNE | 29.77 | 29.84 |
| KWVI | 01/19/2021 16:53 PST | 29.94 | 66.02 | 16.98 | 4.6 | 10 | | N | 29.77 | 29.83 |
| KWVI | 01/19/2021 16:55 PST | 29.94 | 66.2 | 16.49 | 5.75 | 360 | | N | 29.77 | 29.84 |
| KWVI | 01/19/2021 17:00 PST | 29.94 | 64.4 | 18.96 | 6.91 | 360 | | N | 29.77 | 29.83 |
| KWVI | 01/19/2021 17:05 PST | 29.94 | 64.4 | 18.96 | 3.45 | 360 | | N | 29.77 | 29.83 |
| KWVI | 01/19/2021 17:10 PST | 29.95 | 64.4 | 18.96 | 0 | 0 | | N | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:15 PST | 29.95 | 62.6 | 20.19 | 3.45 | 350 | | N | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:20 PST | 29.95 | 62.6 | 20.19 | 3.45 | 320 | | NW | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:25 PST | 29.95 | 62.6 | 20.19 | 3.45 | 310 | | NW | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:30 PST | 29.95 | 62.6 | 20.19 | 4.6 | 330 | | NNW | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:35 PST | 29.95 | 62.6 | 20.19 | 0 | 0 | | N | 29.78 | 29.84 |
| KWVI | 01/19/2021 17:40 PST | 29.96 | 62.6 | 20.19 | 3.45 | 10 | | N | 29.79 | 29.85 |
| KWVI | 01/19/2021 17:45 PST | 29.96 | 60.8 | 21.52 | 3.45 | 360 | | N | 29.79 | 29.86 |
| KWVI | 01/19/2021 17:50 PST | 29.96 | 60.8 | 21.52 | 3.45 | 350 | | N | 29.79 | 29.86 |
| KWVI | 01/19/2021 17:53 PST | 29.96 | 60.98 | 22.04 | 3.45 | | | | 29.79 | 29.85 |
| KWVI | 01/19/2021 17:55 PST | 29.96 | | 21.52 | | 0 | | N | 29.79 | |
| KWVI | 01/19/2021 18:00 PST | 29.96 | 60.8 | 21.52 | 3.45 | 350 | | N | 29.79 | 29.86 |
| | | | | | | | | | | |

STATION: CTOC1# STATION NAME: CORRALITOS

LATITUDE: 36.990856 # LONGITUDE: -121.804881 # ELEVATION [ft]: 327

| | | air_temp_set | _ | i wind_speed_ | _ | | | . – – | fuel_temp_se | _ | . – – | dew_point_t wind_card |
|------------|----------------------|--------------|------------|---------------|---------|------------|------------|------------|--------------|---------|---------|-------------------------|
| Station_ID | Date_Time | _1 | dity_set_1 | set_1 | n_set_1 | t_1 | volt_set_1 | peed_set_1 | t_1 | e_set_1 | | emperature_ l_direction |
| | | Fahrenheit | % | Miles/hour | Degrees | Miles/hour | volts | Miles/hour | Fahrenheit | gm | Degrees | Fahrenheit code |
| CTOC1 | 01/19/2021 00:27 PST | 63 | 3 12 | 2 8 | 50 |) 3 | 0 1 | 3 30 |) 59 | 7.1 | 338 | 9.57 NE |
| CTOC1 | 01/19/2021 01:27 PST | 6: | 1 16 | 5.99 | 50 |) 2 | 9 1 | 3 29 | 56 | 6.9 | 60 | 14.38 NE |
| CTOC1 | 01/19/2021 02:27 PST | 59 | 9 18 | 3 7 | 51 | 1 2 | 1 1 | 3 21 | . 55 | 6.7 | 64 | 15.42 NE |
| CTOC1 | 01/19/2021 03:27 PST | 5 | 7 18 | 3 8 | 60 |) 2 | 4 12. | 9 24 | 53 | 6.7 | 60 | 13.76 ENE |
| CTOC1 | 01/19/2021 04:27 PST | 50 | 5 18 | 3 7 | 49 | 9 2 | 2 12. | 9 22 | 2 52 | 6.7 | 65 | 12.94 NE |
| CTOC1 | 01/19/2021 05:27 PST | 50 | 5 17 | 7 10 | 56 | 5 2 | 5 12. | 9 25 | 5 52 | 6.7 | 77 | 11.65 NE |
| CTOC1 | 01/19/2021 06:27 PST | 50 | 5 16 | 5 10 | 57 | 7 2 | 8 12. | 9 28 | 52 | 6.7 | 53 | 10.3 ENE |
| CTOC1 | 01/19/2021 07:27 PST | 50 | 5 19 | 5 11 | . 57 | 7 34.0 | 1 12. | 9 34.01 | . 53 | 6.5 | 52 | 8.88 ENE |
| CTOC1 | 01/19/2021 08:27 PST | 50 | 5 16 | 5 11 | . 56 | 5 3 | 0 1 | 3 30 | 53 | 6.6 | 76 | 10.3 NE |
| CTOC1 | 01/19/2021 09:27 PST | 5 | 7 18 | 3 9 | 58 | 3 3 | 2 13. | 9 32 | 2 59 | 6.9 | 63 | 13.76 ENE |
| CTOC1 | 01/19/2021 10:27 PST | 60 |) 15 | 5 10 | 62 | 2 2 | 9 13. | 5 29 | 65 | 6.6 | 63 | 12.12 ENE |
| CTOC1 | 01/19/2021 11:27 PST | 62 | 2 15 | 5 7 | 64 | 1 2 | 6 13. | 5 26 | 5 74 | 6.3 | 73 | 13.74 ENE |
| CTOC1 | 01/19/2021 12:27 PST | 63 | 3 16 | 5.99 | 64 | 1 2 | 3 13 | 5 23 | 3 76 | 6.3 | 64 | 16.01 ENE |
| CTOC1 | 01/19/2021 13:27 PST | 60 | 5 15 | 5 4 | . 72 | 2 1 | 7 13. | 5 17 | 81 | 5.7 | 63 | 16.98 ENE |
| CTOC1 | 01/19/2021 14:27 PST | 6 | 7 15 | 5 3 | 5 59 | 9 1 | 8 13. | 4 18 | 3 79 | 5.5 | 58 | 17.79 ENE |
| CTOC1 | 01/19/2021 15:27 PST | 6 | 7 15 | 5 4 | 76 | 5 14.0 | 1 13. | 4 14.01 | . 67 | 5.3 | 49 | 17.79 ENE |
| CTOC1 | 01/19/2021 16:27 PST | 60 | 5 14 | 1 3 | 62 | 2 1 | 1 13. | 5 11 | 61 | 5.4 | 61 | 15.41 ENE |
| CTOC1 | 01/19/2021 17:27 PST | 6: | 1 19 | 9 1 | . 28 | 3 1 | 3 13. | 4 13 | 54 | 5.4 | 62 | 18.32 NNE |
| CTOC1 | 01/19/2021 18:27 PST | 5 | 7 23 | 3 1 | . 38 | 3 | 5 13. | 2 5 | 5 50 | 5.5 | 36 | 19.39 NE |

VMD Location - Trees

Division CENTRAL COAST Circuit ROB ROY 2104 (0083692104)

Account Type:M; Division:CC; Circuit:0083692104; SSD:9975; Loc Route From:20; Loc Route To:20; Insp From:01/01/2019; Insp To:12/31/2019; Obsolete:true

| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
|------------------|---------------------------|--|----------------|--------------|---------------------|-------------------|----------------------|--------------|--------------|---------------|--------------------|---------------------|----------------|--|----------------|
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY | 6/28/19 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | id | O-17:B | | | | 4186651 | | Maintenanc | e | | | |
| Alerts | | <u> </u> | | <u> </u> | Restrictions | | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| ' | Locked Gate; | Notify First | ; | | | | | | N/A | No | 166,509 | ROB ROY 210 | 4-2 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | | | | | |
| Loc Commen | ts | • | | | ' | | | | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| FRM SSD 997 | 5[A/F ADDRES | S],2/S/SW to E | NDPOLE @ hou | ıse;AXS=H KE | FM DWY. code=214 | 1 | | TROW: | | | | | | | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | • |
| | Monterey Pi | ne | 1 | Routine | Side | 90 | 37 | 12 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restricti | ons | VELB No | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree Number 1 | Tree Commer | nte | | | NO | Prescription Comm | nante | l | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| Number | LT/LN,BGNSF | | | | | TTT | lielita | | Lauteon | 1 | PG&E | None | TOR Date | 6/28/19 11 50 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comm | nents | Last Modified By / Dat | е. |
| | CA | 2 | | | 7/30/19 | 1 | Side | 12 | | | | | | / 6/28/19 | - |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Pine | | 12 | Routine | Br Rmv | 20 | 3 | 99 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restricti | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 2 | Tree Commer | | | | | Prescription Comm | nents | | Lat/Lon | - | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | | UN/LN,FLG,AV | GS | | | | T | | | | PG&E | None | | 6/28/19 11 52 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reaso | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | | | 7/30/19 | 12 | Br Rmv | 0 | | | | | I | / 6/28/19 | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | 1 - | Owned By | | Work Request | T-Line | |
| | Oak | | 1 | Routine | Side | 42 | 18 | 12 | Ok | Routine | Private | TROWR | CCCC1146328 | | l · · · · pour |
| Tree | Tree Alerts | | Tree Restricti | ons | VELB No | MWS N | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| | Tree Commer | nts | | | 1 | Prescription Comm | nents | • | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | • |
| | BGSPN,FLG | | | | | SD&UNDER | | | | Outside | PG&E | None | | 6/28/19 11 52 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | | | 7/30/19 | 1 | Side | 12 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Live Oak | | 2 | Routine | Rmv 1-B | 38 | 8 | 99 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restricti | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 4 | Tree Commer BGNSPN,FLG | | | | | Prescription Comm | nents | | Lat/Lon | - | Pole Owner PG&E | Wire Type | TGR Date | Inspector / Date, Time 6/28/19 11 53 AM | |
| | | . | T | I | Dt Cmplt | Act Oty | Act Trim | Act. Clr | Worked Dv | | | None Worked Comm | l | | |
| | Crew | iHFTDTier 2 | | | Dt Cmplt 8/24/19 | Act. Qty | Act. Trim Rmv 1-B | n | Worked By | Worked Reason | Ш | Worked Comm | nents | Last Modified By / Dat / 6/28/19 | e |
| | UA | | • | | 0/24/13 | 4 | KIIIV I-D | U | | | | | | 1 0/20/19 | |

Pacific Gas & Electric

Vegetation Management

Printed 1/21/21

Total Records: 1

= Brush Cut

= Removal



Confidential - Pacific Gas and Electric Company

Do not copy or distribute without written persmission of Pacific Gas and Electric Company

VMD Location - Trees

Page 1 of 6

Division CENTRAL COAST Circuit ROB ROY 2104 (0083692104)

| | Account 7 | Type:M; D | ivision:CC; | Circuit:00 | 83692104; SS | D:9975; Loc F | Route From:20; Loc F | Route To:20; Ir | | | To:12/31 | /2019; Obs | solete:true | | |
|------------------|---------------|-----------------|---------------|--------------|------------------|-------------------|----------------------|-----------------|--------------|---------------|------------|----------------|----------------|------------------------|------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY | 6/28/19 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | id | O-17:B | | | | 4186651 | | Maintenanc | e | | | |
| Alerts | | • | • | | Restrictions | | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| • | | | | | | | | - | N/A | No | 166,509 | ROB ROY 210 |)4-2 | | |
| Environ mntl: | VELB Yes | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | Yes | Trans | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| Loc Commen | | <u> </u> | | | | l . | | | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | | SS],2/S/SW to E | NDPOLE @ ho | use;AXS=H KE | FM DWY. code=214 | | | TROW: | эторе л | Longui | Wide | 7.0.00 | rpp. moulou | mana cycle | Work Type |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| 1 | Coast Live C | Oak | 3 | Routine | Rmv 1-B | 35 | 8 | 99 | Ok | Routine | Private | | CCCC1146328 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB No | MWS N | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number 5 | Tree Commer | nts | • | | | Prescription Comr | nents | • | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | • |
| | 1/4SPN, UN/L | N,FLG,AVGS | | | | | | | | Outside | PG&E | None | | 6/28/19 11 55 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | | | 8/24/19 | 3 | Rmv 1-B | 0 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Coast Live (| | 1 | Routine | Side | 35 | 25 | 13 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restrict | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 6 | Tree Commer | nts | | | | Prescription Comr | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | 1/4SPN;RT/LN | N,FLG | | | | SIDE&UNDER | | | | Outside | PG&E | None | | 6/28/19 11 56 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | ! | | 8/24/19 | 1 | Side | 13 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Pine | | 1 | Routine | Тор | 35 | 22 | 15 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restrict | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 7 | Tree Commer | nts | | | | Prescription Comr | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | 1/4SPN,LT/LN | I,FLG, | | | | ПТ | | | | Outside | PG&E | None | | 6/28/19 11 57 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. CIr | Worked By | Worked Reason | on | Worked Comm | ments | Last Modified By / Dat | e |
| | CA | 2 | ! | | 2/8/20 | 1 | Тор | 15 | UNABLE | | | | | / 6/28/19 | |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Oak | | 1 | Routine | Side | 40 | 16 | 12 | Ok | Routine | Private | | CCCC1146328 | | |
| Troo | Tree Alerts | | Tree Restrict | ons | VELB No | MWS N | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree Number 8 | Tree Commer | nts | 1 | | 1110 | Prescription Comr | ments | 1 | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| - Adminior O | 1/4SPN,LT/LN | | | | | TTT | | | | Connect | PG&E | None | | 6/28/19 11 59 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comm | nents | Last Modified By / Dat | e . |
| | CA | Infibilei 2 | | | 7/31/19 | 3 | Side | 12 | Troined by | TTOINEU NEGS | ,,, | TTOINEU COIIII | nenta | / 6/28/19 | |
| | O/A | | 1 | <u> </u> | 1701113 | <u> </u> | Olde | 12 | | <u> </u> | | l | | 7 0/20/13 | |

W = Warranty Printed 1/21/21

Total Records: 1

= Brush Cut





| | Account 7 | Type:M; D | ivision:CC | ; Circuit:00 | 83692104; SS | SD:9975; Loc F | Route From:20; Loc | Route To:20; Ir | sp From:01/0 | 1/2019; Insp | To:12/31 | /2019; Obs | olete:true | | |
|----------------------------|---------------|----------------|---------------|---------------|------------------|-------------------|--------------------|-----------------|--------------|---------------|--|--------------|----------------|------------------------|------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY | 6/28/19 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | Jiq | O-17:B | | | · | 4186651 | | Maintenand | e | | | |
| Alerts | | | • | | Restrictions | • | Tag Type | Tag # | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| | | | | | | | | | N/A | No | 166,509 | ROB ROY 210 | 4-2 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | • | Trans | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Irans | | | | | | | |
| Loc Comment FRM SSD 997 | | S],2/S/SW to E | NDPOLE @ ho | ouse;AXS=H KE | FM DWY. code=214 | 4 | | TROW: | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Coast Live C | Dak | 4 | Routine | Rmv 2-B | 40 | 17 | 15 | Ok | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restrict | tions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 9 | Tree Commer | | | | | Prescription Comr | nents | | Lat/Lon | 1 | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | 1/3SPN,1=2X | STM,FLG,AVG | 3 | | | | | | | + | PG&E | None | | 6/28/19 12 02 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comr | nents | Last Modified By / Dat | e |
| | CA | 2 | 2 | | 7/31/19 | 5 | Rmv 2-B | 15 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Madrone | | 1 | Routine | Side | 35 | 32 | 12 | Ok | Routine | Private | | CCCC1146328 | | 1 |
| Tree | Tree Alerts | | Tree Restrict | tions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | Tree Commer | nte | | | No | Prescription Comr | mente | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | l |
| 10 | 1/4 SPN,LT/LI | | | | | Prescription Com | nents | | LavLon | | PG&E | None | TOR Date | 6/28/19 12 03 PM | |
| | Crew | iHFTDTier | | 1 | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comr | nonte | Last Modified By / Dat | 0 |
| | LA | 2 | , | | 2/8/20 | 1 | Side | 12 | Worked By | Worked Reds | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Worked Colli | licito | / 6/28/19 | |
| | Tree Type, Sp | nocios | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Oak | , colos | 1 | Routine | Side | 45 | 29 | 20 | Ok | Routine | Private | | CCCC1146337 | 1-Line | |
| | Tree Alerts | | Tree Restrict | | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | | TROW-Brush | | Span Prox. | Inside ROW |
| Tree | F | P; | | | Yes | N | | | | | | | | | |
| Number 11 | Tree Commer | nts | | | | Prescription Comr | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | 1/3SPN,S2XS | TM,FLG | | | | SIDE &UNDER | | | | Outside | PG&E | None | | 6/28/19 12 05 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comr | nents | Last Modified By / Dat | e |
| | CA | 2 | ! | | 2/11/20 | 1 | Side | 20 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Oak | | 1 | Routine | Rmv 1-B | 50 | 11 | 99 | Ok | Routine | Private | | CCCC1146337 | | |
| Tree | Tree Alerts | D. | Tree Restrict | tions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | | P; | | | No | N | <u> </u> | | | | | | | | |
| 12 | Tree Commer | | | | | Prescription Comr | nents | | Lat/Lon | 1 | | | TGR Date | Inspector / Date, Time | |
| | UN/LN,1/2SPI | | | | D. C.—. | TOP TO MISS | | Ant Cla | W-1-1B | Outside | PG&E | None | | 6/28/19 12 06 PM | |
| | Crew CA | iHFTDTier | , | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comr | nents | Last Modified By / Dat | e |
| | CA | 1 2 | | | 2/11/20 | 1 | Rmv 1-B | U | | <u> </u> | | <u> </u> | | / 6/28/19 | |

W = Warranty

Printed 1/21/21

Total Records: 1

= Brush Cut





Page 3 of 6

Division CENTRAL COAST Circuit ROB ROY 2104 (0083692104)

| | Account 7 | Type:M; D | ivision:CC | Circuit:00 | 83692104; SS | SD:9975; Loc F | Route From:20; Loc | Route To:20; In | sp From:01/01 | 1/2019; Insp | To:12/31 | /2019; Obs | olete:true | _ | |
|--------------------------|---------------|----------------|---------------|--------------|------------------|------------------------|--------------------|-----------------|---------------|---------------|------------|---------------|----------------|------------------------|------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY | 6/28/19 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | ıic | O-17:B | | | · | 4186651 | | Maintenand | e | | | |
| Alerts | | | | | Restrictions | • | Tag Type | Tag # | How Notified | U-Bld | Project # | Project Name | - | Cust 3 Name / Phone | |
| | | | | | | | | | N/A | No | 166,509 | ROB ROY 210 | 4-2 | | |
| | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | Trans | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Truis | | | | | | | |
| oc Comment RM SSD 997 | | S],2/S/SW to E | NDPOLE @ ho | use;AXS=H KE | FM DWY. code=214 | 4 | | TROW: | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | ' |
| | Douglas Fir | | 1 | Routine | Rmv 1-B | 35 | 4 | 99 | Ok | Routine | Private | | CCCC1146328 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | Tree Commer | ato. | | | No | N Prescription Comr | monto | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| 13 | MIDSPN,PNT | its | | | | Prescription Com | nents | | LavLoii | | PG&E | None | TOR Date | 6/28/19 12 32 PM | _ |
| | Crew | iHFTDTier | | T | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comm | nonte | Last Modified By / Dat | • |
| | CA | 2 | , | | 2/8/20 | 1 | Rmv 1-B | 0 | Worked by | Worked Redst | , ii | Worked Collin | nents | / 6/28/19 | ic. |
| | Tree Type, Sp | necies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Blue Gum | 700103 | 2 | Routine | FS-R4B+Trt | 125 | 37 | 99 | Ok | | Private | | CCCC1146328 | I - Line | |
| | Tree Alerts | | Tree Restrict | • | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | | TROW-Brush | | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | | | | | | | | |
| Number 14 | Tree Commer | | | | | Prescription Comr | nents | | Lat/Lon | - | Pole Owner | | TGR Date | Inspector / Date, Time | |
| | | SD PNT; AVGS | | | | | | _ | | Outside | PG&E | None | | 6/28/19 12:10 PM | |
| | | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | 2 | | 1/8/20 | 2 | No Work | 0 | NO WORK | | | NO WORK | | / 6/28/19 | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | 1 | Owned By | | Work Request | T-Line | |
| | Blue Gum | | 1 | Routine | FS-R2B+Trt | 100 | 15 | 99 | Ok | | Private | | CCCC1146328 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB No | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | Tree Commer | nts | | | 110 | Prescription Comr | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| 15 | 3/4SPN,RT/LN | ١, | | | | | | | | Outside | PG&E | None | | 6/28/19 12:12 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | СВ | 2 | 2 | | 1/8/20 | 1 | No Work | 0 | NO WORK | | | NO WORK | | / 6/28/19 | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Blue Gum | | 1 | Routine | FS-R2B+Trt | 100 | 12 | 99 | Ok | Routine | Private | | CCCC1146328 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | Tree Commer | nte | | | No | N Prescription Comr | monte | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | 1 |
| 16 | 3/4SPN;LT/LN | | | | | Frescription Com | nema | | LavLUII | Outside | PG&E | None | TOR Date | 6/28/19 12:14 PM | |
| | Crew | iHFTDTier | | Τ | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | , | | 1/8/20 | 1 | No Work | 0 | NO WORK | Troined Nedat | | NO WORK | iioiita | / 6/28/19 | |
| | | | | | OIEG | 1. | | | | | | | | 7 0720710 | |

R) = TGI

W = Warranty
Printed 1/21/21

Total Records: 1

= Brush Cut





VMD Location - Trees

Page 4 of 6

Division CENTRAL COAST Circuit ROB ROY 2104 (0083692104)

| | Account 7 | Type:M; D | vision:CC: | : Circuit:00 | 83692104; SS | D:9975; Loc F | Route From:20; Loc | Route To:20; In | sp From:01/01 | /2019; Insp | To:12/31 | /2019; Obs | olete:true | _ | |
|------------------|------------------------|----------------|---------------|--------------|---------------------|-------------------|----------------------|-----------------|---------------|------------------------|------------|--------------|-----------------------------|-----------------------------------|-------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY | 6/28/19 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | ıiq | O-17:B | | | | 4186651 | | Maintenanc | e | | | |
| Alerts | | | | _ | Restrictions | • | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| 1 | | | | | | | | | N/A | No | 166,509 | ROB ROY 210 | 4-2 | | |
| Environ mntl: | VELB Yes | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | Yes | Trans | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| Loc Comment | | S],2/S/SW to E | NDPOLE @ ho | use;AXS=H KE | FM DWY. code=214 | 1 | | TROW: | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Blue Gum | | 1 | Routine | FS-R4B+Trt | 150 | 39 | 99 | Ok | Routine | Private | | C1CC1002779 | | |
| Tree | Tree Alerts | P; | Tree Restrict | • | VELB No | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | | TROW-Brush | | Span Prox. | Inside ROW |
| Number | Tree Commer | | | | 110 | Prescription Comm | nents | _ I | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| 17 | | W DRVWY;LT/ | LN, | | | | | | | 1 | PG&E | None | | 6/28/19 12:15 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comr | nents | Last Modified By / Dat | te |
| | CA | 2 | | | 12/20/19 | 1 | FS-R4B+Trt | 0 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | <u> </u> | Work Request | T-Line | |
| | Blue Gum | | 5 | Routine | Br Trim | 35 | 2 | 20 | | Routine | Private | | CCCC1094510 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB No | MWS N | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number 18 | Tree Commer | | | | 1110 | Prescription Comm | nents | • | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | | LOW/DRVWY. | UNDRENS;PAII | NI T | 1 | | ı | T | / | Outside | PG&E | None | | 7/13/12 10:44 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt 9/25/12 | Act. Qty 7 | Act. Trim Br Trim | Act. Clr 20 | Worked By | Worked Reaso | on | Worked Comr | nents | Last Modified By / Date / 6/28/19 | te |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Eucalyptus | | 17 | Routine | FS-R1A+Trt | 15 | 10 | 99 | | Routine | Private | | CCCC1141993 | | |
| Tree | Tree Alerts | | Tree Restrict | ions | VELB No | MWS N | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Number | Tree Commer | nts | | | 1 | Prescription Comm | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | 1 |
| 19 | ENDSPN,BEL | OW DRVWY,U | LNS,PNT,AVG | S,XSTMS | | REMOVAL ALL R1 | | | | Outside | PG&E | None | | 10/2/18 1:49 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comr | nents | Last Modified By / Dat | te |
| | CA | 2 | | | 12/19/18 | 17 | FS-R1A+Trt | 0 | | | | | | / 6/28/19 | |
| | Tree Type, Sp | pecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance 99 | Notification | _ | Owned By | | Work Request CCCC1141993 | T-Line | |
| | Eucalyptus Tree Alerts | | Tree Restrict | Routine | FS-R1A+Trt VELB | 18 MWS | MWS Num | TROW-Ht | TROW-Width | Routine TROW-Length | Private | TROW-Brush | | Span Prox. | Inside ROW |
| Tree | rree Alerts | | nee Resulct | IUIIS | No | N | MINN CANN | TKOW-Ht | TROW-WIGHT | I KOW-Length | Cover 76 | IKOW-BIUSH | Delect % | Spail Plox. | iliside KOW |
| Number | Tree Commer | nts | | | INU | Prescription Comm | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | <u> </u> |
| 20 | 1 | | FLG@PLLOUT | ALNG DRVWY | | REMOVAL ALL R1 | | | Eur Eur | | PG&E | None | . Sit Date | 10/2/18 2:06 PM | |
| | Crew | iHFTDTier | <u></u> | 1 | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comr | nents | Last Modified By / Dat | te . |
| | CA | 2 | | | 12/19/18 | 1 | FS-R1A+Trt | 0 | Transca Dy | | | Since colli | | / 6/28/19 | |
| | J., | | 1 | | .210/10 | 1. | | 1- | | | | | | 7 0/20/10 | |

Total Records: 1

W = Warranty Printed 1/21/21

Confidential - Pacific Gas and Electric Company

🗶 = Removal

= Brush Cut



Account Type:M: Division:CC: Circuit:0083692104: SSD:9975: Loc Route From:20: Loc Route To:20: Insp From:01/01/2019: Insp To:12/31/2019: Obsolete:true

(R) = TG

W = Warranty

Printed 1/21/21 Confidential - Pacific Gas and Electric Company

Removal

= Brush Cut

Do not copy or distribute without written persmission of Pacific Gas and Electric Company

Total Records: 1

VMD Location - Trees

Pacific Gas & Electric Vegetation Management

Account Type:M; Division:CC; Circuit:0083692104; SSD:9975; Loc Route From:20; Loc Route To:20; Obsolete:false

| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
|-------------|----------------------|-----------------|----------------|---------------------|-------------------|-------------------|-------------------|-----------------|--------------|------------------|---------------------|---------------------|-----------------------------|------------------------|------------|
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | | :UP ADD DR | WY. POSSIB | 1 - | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | id | O-17:B | ' | | | | | ,, | | • | | |
| Alerts | 2,700 | 20 | momas ou | ·1 | Restrictions | | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| 1-11-11 | Locked Gate; | Notify First | ; | | | | | | N/A | No | 179.201 | ROB ROY 210 | 4-2 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Comment | | l | | | 1 | 1 | | | Slope% | Length | Width | Acres | App. Method | Maint, Cycle | Work Type |
| | | S],2/S/SW to El | NDPOLE @ hou | ıse;AXS=H KE | FM DWY. code=2144 | ı | | TROW: | | | | | | , | |
| Alerts | | | | | Restrictions | | Tag Type | Tag # | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| • | | | | | | | | | | No | 183,651 | ROB ROY 210 | 4-1 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | - | | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Comment | ts | | | | | • | | | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| FRM SSD 997 | 5[A/F ADDRES | S],2/S/SW to El | NDPOLE @ hou | ıse;AXS=H KE | FM DWY. code=2144 | ı | | TROW: | | | | | | | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | • |
| | Monterey Pir | ne | 1 | Routine | Side | 90 | 37 | 12 | | Routine | Private | | CCCC1146328 | | |
| | Tree Alerts | | Tree Restricti | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | L | | | | | | | |
| Number 1 | Tree Commen | | | | | Prescription Comn | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | LT/LN,BGNSP | | 1 | 1 | D4 C14 | TTT | A at Tains | Act Cir | Marked De | Outside | PG&E | None | | 6/28/19 11 50 AM | |
| | Crew | iHFTDTier 2 | | | 7/30/19 | Act. Qty | Act. Trim Side | Act. Clr | Worked By | Worked Reas | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | _ | E-4.04- | D-114 | | 1 | | 12 | N-00-00- | 0 | 0 | | W-4 D4 | / 3/25/20 | |
| | Tree Type, Sp Oak | ecies | Est Qty | Priority Routine | Trim Type Side | Height | DBH 18 | Clearance 12 | Notification | Cycle Routine | Owned By Private | | Work Request CCCC1146328 | T-Line | |
| | Tree Alerts | | Tree Restricti | • | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | | TROW-Brush | | Span Prox. | Inside ROW |
| Tree | TICC AICIG | | Tree Results | ons | No | N | miro itum | | THOW-Widen | TKOW-Length | 20101 70 | TKOW-Brush | Delect 70 | Spair Fox. | moide Nov |
| | Tree Commer | its | | | | Prescription Comn | nents | • | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | BGSPN,FLG | | | | | SD&UNDER | | | | Outside | PG&E | None | | 6/28/19 11 52 AM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | | | 7/30/19 | 1 | Side | 12 | | | | | | / 3/25/20 | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Coast Live C | ak | 2 | Routine | TopDirecti | 35 | 16 | 10 | Ok | Routine | Private | | CCCC1154712 | | |
| | Tree Alerts | | Tree Restricti | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | | | | | No | N | | L | | | | | | | |
| Number 3 | Tree Commen | | | | | Prescription Comn | nents | | Lat/Lon | 1 | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | _ |
| | MIDSPN. R/LN | | | 1 | Dt Count | Ast Obi | Act Trim | Act Cir | Worked Du | Outside | PG&E | None Worked Comm | t- | 3/25/20 2:22 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reas | on | Worked Comm | nents | Last Modified By / Dat | e |
| | CA | 2 | 1 | I | 4/15/20 | 2 | TopDirecti | 10 | | 1 | | I | | / 3/25/20 | |

Printed 1/21/21

Total Records: 1

= Brush Cut

= Removal



VMD Location - Trees

Page 1 of 4

Pacific Gas & Electric Vegetation Management

Account Type:M; Division:CC; Circuit:0083692104; SSD:9975; Loc Route From:20; Loc Route To:20; Obsolete:false Address County Circuit Division Cust 1 Name / Phone Insp Dt APTOS SANTA CRUZ CENTRAL COAS NR MM 3.24;UP ADD DRWY. POSSIBI 3/25/20 ROB ROY 2104 Group APN SSD RT# Quad Map Loc Lat/Lon SSD Loc RT# Map Type Area Removal Num Acct Type Inspector Inspection Co. Cust 2 Name / Phone 20 9975 2.780 Thomas Gui O-17:B Maintenanc Alerts Restrictions Tag# **How Notified** U-Bld Project # Project Name Cust 3 Name / Phone Tag Type N/A ROB ROY 2104-2 No 179,201 VELB **HCP Area** MBZ-ID# e10c SRA Struct2 Cust 4 Name / Phone e10c Acreage Struct1 Length Esmt Environ Trans mntl: Yes Yes Loc Comments Slope% Length Width Acres App. Method Maint, Cycle Work Type TROW: FRM SSD 9975[A/F ADDRESS],2/S/SW to ENDPOLE @ house;AXS=H KE FM DWY. code=2144 Tag Type Tag# **How Notified** U-Bld Project # Project Name Cust 3 Name / Phone Restrictions ROB ROY 2104-1 No 183,651 VELB **HCP Area** MBZ-ID# e10c SRA Struct1 Struct2 Esmt Cust 4 Name / Phone **Environ** e10c Acreage Length Trans mnti: Yes Yes Slope% Width Acres App. Method Maint. Cycle Work Type Loc Comments Length TROW: FRM SSD 9975[A/F ADDRESS],2/S/SW to ENDPOLE @ house;AXS=H KE FM DWY. code=2144 Clearance Tree Type, Species Est Qty Priority Trim Type Height DBH Notification Cycle Owned By Work Request T-Line 35 22 15 Routine CCCC1146328 Pine Routine Top Private Tree Alerts Tree Restrictions VELB MWS MWS Num TROW-Ht TROW-Width TROW-Length Cover % TROW-Brush Defect % Inside ROW Span Prox. No Tree Tree Comments Prescription Comments Lat/Lon Proximity Pole Owner Wire Type TGR Date Inspector / Date, Time Number 4 1/4SPN,LT/LN,FLG, TTT Outside PG&E None 6/28/19 11 57 AM Act. Clr Crew iHFTDTier Dt Cmplt Act. Qty Act. Trim Worked By Worked Reason Worked Comments Last Modified By / Date 2/8/20 15 CA Top UNABLE 3/25/20 Clearance Tree Type, Species Est Qty Priority Trim Type Height DBH Notification Cycle Owned By Work Request T-Line Routine CCCC1154712 Side Private Routine Tree Alerts Tree Restrictions VELB MWS MWS Num TROW-Ht TROW-Width TROW-Length Cover % TROW-Brush Defect % Span Prox. Inside ROW No Tree **Prescription Comments** Proximity Pole Owner Wire Type TGR Date Tree Comments Lat/Lon Inspector / Date, Time Number 5 1/4-M DSPN, RGHTORUNDER/LNS, FLG&PNT@RD 3/25/20 2:38 PM Connect PG&E None Act. Clr Worked Reason Crew **iHFTDTier** Dt Cmplt Act. Qty Act. Trim Worked By Worked Comments Last Modified By / Date 4/15/20 Side CA / 3/25/20 Height DBH Clearance Tree Type, Species Est Qty Priority Trim Type Notification Cycle Owned By Work Request T-Line Side 12 Madrone Routine Private CCCC1146328 MWS TROW-Ht VELB **MWS Num** TROW-Width TROW-Length Cover % TROW-Brush Defect % Inside ROW Tree Alerts Tree Restrictions Span Prox. No Tree Tree Comments **Prescription Comments** Lat/Lon Proximity Pole Owner Wire Type TGR Date Inspector / Date, Time Number 6 1/4 SPN,LT/LN,FLG Outside PG&E None 6/28/19 12 03 PM iHFTDTier Act. Qty Act. Trim Act. Clr Worked By Worked Reason Last Modified By / Date

Crew

LA

Dt Cmplt

2/8/20

W = Warranty Printed 1/21/21

Total Records: 1

Side

= Brush Cut

/ 3/25/20

Worked Comments





12

Pacific Gas & Electric **Vegetation Management**

| | Account 7 | Гуре:М; Di | ivision:CC: | Circuit:00 | 83692104; SS | D:9975; Loc F | Route From: 20; Loc F | Route To:20; O | bsolete:false | | | | | | |
|------------|------------------------|----------------|--------------------|--------------|---------------------|--------------------|-----------------------|-----------------|------------------|------------------------|--------------------|-------------------|-----------------------------|--|------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | ;UP ADD DR | WY. POSSIB | 3/25/20 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gu | ıiq | O-17:B | | | | | | Maintenanc | e | | | |
| Alerts | | | | | Restrictions | | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| 1 | | | | | | | | | N/A | No | 179,201 | ROB ROY 210 | 4-2 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Commen | | I | | <u> </u> | | 1 | | | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | | S],2/S/SW to E | NDPOLE @ ho | use;AXS=H KE | FM DWY. code=214 | 1 | | TROW: | | | | | | _ | |
| Alerts | | | | - | Restrictions | | Tag Type | Tag# | How Notified | U-Bld | Project # | Project Name | I . | Cust 3 Name / Phone | |
| • | | | | | | | | - | | No | 183,651 | ROB ROY 210 | 4-1 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Commen | | l | | 1 | 1 | 1 | | | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| | | S],2/S/SW to E | NDPOLE @ ho | use;AXS=H KE | FM DWY. code=214 | 1 | | TROW: | | | | | | , | ,,,,, |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Oak | | 1 | Routine | Side | 45 | 29 | 20 | | - | Private | | CCCC1146337 | | |
| | Tree Alerts | | Tree Restrict | ions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | FF | Ρ; | | | Yes | N | | | | | | | | | |
| Number 7 | Tree Commen | its | | | | Prescription Comm | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | • |
| | 1/3SPN,S2XS | TM,FLG | | | | SIDE &UNDER | | | | Outside | PG&E | None | | 6/28/19 12 05 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | on | Worked Comn | nents | Last Modified By / Dat | te |
| | CA | 2 | 2 | | 2/11/20 | 1 | Side | 20 | | | | | | / 3/25/20 | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Blue Gum | | 5 | Routine | Br Trim | 35 | 2 | 20 | | | Private | | CCCC1094510 | | |
| | Tree Alerts | | Tree Restrict | ions | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree | T C | 4- | | | No | N December Comm | | | 1 -4/1 | Dannimit | Dala Ouman | Mine Tone | TCD D-4- | In an action / Data Time | |
| Number 8 | Tree Commen | | UNDRLNS;PAII | MT | | Prescription Comm | nents | | Lat/Lon | - | Pole Owner PG&E | Wire Type None | TGR Date | Inspector / Date, Time 7/13/12 10:44 AM | |
| | Crew | iHFTDTier | UNDRENG,FAII | T | Dt Cmplt | Act Oty | Act. Trim | Act. Clr | Worked By | | | Worked Comn | nonto | | |
| | CA | IHFIDTIE | | | Dt Cmplt 9/25/12 | Act. Qty | Br Trim | 20 | worked By | Worked Reason | on | worked Comm | nents | Last Modified By / Dat / 3/25/20 | te |
| | | | F-4.04: | Daile aide : | | 11-1-14 | | | N-4:6:4: | Consta | Owned Dec | | Wt-Dt | | |
| | Tree Type, Sp | ecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance 29 | Notification | 1 - | Owned By | | Work Request CCCC1154712 | T-Line | |
| | Eucalyptus Tree Alerts | | Z Tree Restrict | Routine | Br Trim VELB | 50 MWS | MWS Num | TROW-Ht | Ok TROW-Width | Routine TROW-Length | Private Cover % | TROW-Brush | | Span Prox. | Inside ROW |
| Tree | Tree Alerts | | Tree Results | ions | No | N | mit 3 Hum | | TKOW-Widai | TKOW-Longu | COVCI 70 | TKOW-Brush | Delect 70 | Spuil Fox. | made NOV |
| | Tree Commen | its | I | | 110 | Prescription Comm | nents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | 2/3SPN. R/LNS | | RD | | | | | | | - | PG&E | None | | 3/25/20 2:28 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. Clr | Worked By | Worked Reason | | Worked Comn | nents | Last Modified By / Dat | te |
| | CA | 2 | 2 | | 4/15/20 | 2 | Br Trim | 29 | | | | | | / 3/25/20 | |
| | | | | | | | 1 | | | | | | | | |

W = Warranty

Printed 1/21/21

Total Records: 1

= Brush Cut





Page 3 of 4

VMD Location - Trees

Division CENTRAL COAST Circuit ROB ROY 2104 (0083692104)

Account Type-M: Division: CC: Circuit: 0093692104: SSD: 9975: Lee Boute From: 20: Lee Boute To: 20: Obsolete: falso

| | ACCOUNT | Type.ivi, D | IVISIOH.CC, | Circuit.000 | <u> </u> | <u>D.9975, LOCK</u> | oute From:20; Loc R | | psolete.iaise | | | | | | |
|----------------|----------------------------|----------------|------------------|---------------|-------------------|---------------------|---------------------|--------------|---------------|--------------|-----------------|--------------|----------------|------------------------|------------|
| Address | | | | | City | County | Circuit | Division | X - Street | Directions | | | Insp Dt | Cust 1 Name / Phone | |
| | | | | | APTOS | SANTA CRUZ | ROB ROY 2104 | CENTRAL COAS | | NR MM 3.24 | UP ADD DR | WY. POSSIBI | 3/25/20 | | |
| SSD | SSD RT# | Loc RT# | Map Type | Quad Map | Area | Group | Loc Lat/Lon | APN | Removal Num | | Acct Type | Inspector | Inspection Co. | Cust 2 Name / Phone | |
| 9975 | 2,780 | 20 | Thomas Gui | d | O-17:B | | | | | | Maintenance | e | | | |
| Alerts | | | | | Restrictions | | Tag Type | Tag # | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| | | | | | | | | | N/A | No | 179,201 | ROB ROY 210 | 4-2 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | _ | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Commen | ts | | • | | | | | TDOW | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| FRM SSD 997 | 5[A/F ADDRES | S],2/S/SW to E | NDPOLE @ hou | se;AXS=H KE I | FM DWY. code=2144 | | | TROW: | | | | | | | |
| Alerts | erts Restrictions Tag Type | | | | | | Tag Type | Tag # | How Notified | U-Bld | Project # | Project Name | | Cust 3 Name / Phone | |
| | | | | | | | | | | No | 183,651 | ROB ROY 210 | 4-1 | | |
| Environ | VELB | HCP Area | MBZ-ID# | e10c | e10c Acreage | SRA | | T | Struct1 | Struct2 | Length | Esmt | | Cust 4 Name / Phone | |
| mntl: | Yes | | | | | | Yes | Trans | | | 0 | 0 | | | |
| Loc Commen | ts | | | | | | | TROW: | Slope% | Length | Width | Acres | App. Method | Maint. Cycle | Work Type |
| FRM SSD 997 | 5[A/F ADDRES | S],2/S/SW to E | NDPOLE @ hou | se;AXS=H KE I | FM DWY. code=2144 | | | TROW: | | | | | | | |
| | Tree Type, Sp | oecies | Est Qty | Priority | Trim Type | Height | DBH | Clearance | Notification | Cycle | Owned By | | Work Request | T-Line | |
| | Eucalyptus | | 1 | Routine | FP-Ov B | 50 | 36 | 99 | Ok | Routine | Private | | CCCC1154601 | | |
| _ | Tree Alerts | | Tree Restriction | ons | VELB | MWS | MWS Num | TROW-Ht | TROW-Width | TROW-Length | Cover % | TROW-Brush | Defect % | Span Prox. | Inside ROW |
| Tree Number | F | P; | | | No | N | | | | | | | | | |
| 10 | Tree Commer | nts | | | | Prescription Comm | ents | | Lat/Lon | Proximity | Pole Owner | Wire Type | TGR Date | Inspector / Date, Time | |
| | ENDSPN. L/LI | NS. FLG@RD | | | | DEAD OV'S | | | | Connect | PG&E | None | | 3/25/20 2:32 PM | |
| | Crew | iHFTDTier | | | Dt Cmplt | Act. Qty | Act. Trim | Act. CIr | Worked By | Worked Reaso | n | Worked Comn | nents | Last Modified By / Dat | е |
| | CA | 1 2 | | | 4/15/20 | 1 | FP-Ov B | 0 | | | ason Worked Con | | | / 3/25/20 | |

Total Records: 1

🗶 = Removal

= Brush Cut





Pacific Gas & Electric

Vegetation Management

Central Coast

Outage Report

| Report Printed | Mon Feb 01 13:19:32 PST 2021 | | | |
|--------------------|------------------------------|------------------------|-------|------------------------|
| Date From | 01/19/2021 | Date To | | Outage Type Both |
| OutNum | | Equipment Type | | Equip Condition |
| Equipment Involved | | Equipment Cause | Equip | ment Supplemental |
| Outage Level | | Outage Interval | | Fault Type |
| Action Required | Both | Active | Both | Circuit |
| EquipID | | Fire Mitigation | No | District |

Export To Excel

Unplanned Outages

083692104, ROB ROY-2104

| | · | | | |
|----------------------------------|--|------------------------|---|----|
| District | Coast | Event Log | 21-0010951 | |
| Туре | Unplanned | Weather | Clear;32-90 F | |
| Customers | CESO 3 CEMO 0 ADJ CESO 3 Initial 3 | Customer Minutes | <u>Sus</u> 6504 0 <u>Adi</u> 6504 <u>CAIDI</u> 21 | 68 |
| Active | NO | Fault Type | Line to Ground | |
| Interval | Sustained | Action Required | No | |
| EquipID | 9975 | Construction Type | ОН | |
| Equipment Typ | e Fuse | OIS Outage# | 1217517 | |
| Equipment Condition | Conductor, Overhead, Broken, wire on ground | Targets | | |
| Crew Notified Time | 01/20/21 10:17 | Supervisor Notified | | |
| Equipment Address | Freedom 12 Spans S/O Hames Rd. | Fire Mitigation | No | |
| Fault Location | | | | |
| Previous Switching Details | | | | |
| Action Description | | Wire Down Energized | No | |
| Cause | Equipment Failure/Involved, Overhead | No Access Reason | | |
| Multi Damage Location | No | # of Operations | | |
| Counter Read | | Created By | | |
| Outage Level | Distribution Circuit | Last Updated By | SMBATCH_FO | |
| FNL | 01/19/21 07:43 | Reviewed By | Not Required | |
| End Date | 01/20/21 19:51 | Reviewed By Date | | |
| Date | Description | on | Customers Restored | |
| 01/19/21 15:18 | FUSE 9975 OPEN | | 0 | |
| | TMAN RPTS WIRE DOWN BEYOND 9975/ | OPENED & TAG MOL | 0 | |
| 01/20/21 14:37 | HOLDING OWN TO EOL | EC CTILL NEED TO BE | O TRIMMED & IS | |
| | RPTS WIRE IS REPAIRED BUT TRE REPORTING OFF | ES STILL NEED TO BE | TRIMMED & IS 0 | |
| 01/20/21 19:51 | FUSE 9975 CLOSE | | 3 | |



FORM: TD-2060P-01-F01

Publication Date: 5/15/2019 Rev: 1

Electric Emergency Construction Package

| NOTIFICATION #: 120447914 | ORDER #: 35226307 | OPER #: | |
|---|--|------------|-------------|
| ADE/ESTIMATOR: | PHONE #: | LAN ID: | |
| LOC#: 47 OIS#: 1216063 WOF | RK CENTER: <i>WTSNVLLE</i> BILLING | : PGE IN | TERNAL |
| CKT: ROB ROY 2104 SSD: 9975 | ASSD: EQUIPMENT | | 1ARY |
| WORK LOC: , APTOS | CITY: | AP | ros |
| WORK DESC: COND_BROK_REPL - | ., APT | | |
| | | | |
| START DATE: COMPLETE DATE: | REVIEW DATE: | | |
| CONSTRUCTIO | AN DEDCOMME | | |
| CONSTRUCTIO | ON PERSONNEL | | |
| FOREMAN: | PHONE #: | _ LAN ID#: | |
| CREW TYPE: | COMPANY: | | |
| | | | - |
| INSPECTOR: | PHONE #: | LAN ID#: | <u>-</u> |
| INSPECTOR: | PHONE #: | _ LAN ID#: | |
| FORM NAME | PHONE #: REQUIREMENTS | LAN ID#: | N/A |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] | | | N/A |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM | REQUIREMENTS | INCLUDED | N/A |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL | REQUIREMENTS | INCLUDED | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] | INCLUDED | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] MAP OR SKETCH ATTACHED CONSTRUCTION COMPLETE STANDARDS CHECKLIST | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] ALWAYS | INCLUDED | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] MAP OR SKETCH ATTACHED CONSTRUCTION COMPLETE STANDARDS CHECKLIST -OH OR UG | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] ALWAYS ALWAYS | INCLUDED | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] MAP OR SKETCH ATTACHED CONSTRUCTION COMPLETE STANDARDS CHECKLIST -OH OR UG INCIDENT REPORT[62-0719] TRANSFORMER/EQUIPMENT DATA SHEET [JA_769 OR LOCAL | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] ALWAYS ALWAYS THIRD PARTY DAMAGE | INCLUDED | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] MAP OR SKETCH ATTACHED CONSTRUCTION COMPLETE STANDARDS CHECKLIST -OH OR UG INCIDENT REPORT[62-0719] TRANSFORMER/EQUIPMENT DATA SHEET [JA_769 OR LOCAL EQUIV] | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] ALWAYS ALWAYS THIRD PARTY DAMAGE WHEN EQUIPMENT IS REPLACED SPILLS OR OTHER ENVRIONMENTAL | | |
| FORM NAME ELECTRIC CORRECTIVE WORK FORM -OH OR UG [PRINT FROM SAP, OMT, OR CREATE] RAPID RESPONSE MATERIAL FORM [62-9049 OR LOCAL VERSION] MAP OR SKETCH ATTACHED CONSTRUCTION COMPLETE STANDARDS CHECKLIST -OH OR UG INCIDENT REPORT[62-0719] TRANSFORMER/EQUIPMENT DATA SHEET [JA_769 OR LOCAL EQUIV] HAZARDOUS WASTE PAPERS | REQUIREMENTS ALWAYS ALWAYS[CAPITAL ORDERS] ALWAYS ALWAYS THIRD PARTY DAMAGE WHEN EQUIPMENT IS REPLACED SPILLS OR OTHER ENVRIONMENTAL IMPACT JT POLE REPLACEMENT OR SPACE | | |

Electric Overhead Tag

Notification #: 120447914

| 1.01 | | PM Order #: | 35226307 |
|------------------|---------------|--------------|----------|
| Priority: A | Sub Priority: | i w Older #. | 33220301 |
| Date Identified: | 01/19/2021 | | |

| | ified in Field By: | | | ., APTOS | | Plat: Circuit: | | O1819 08369-2104, ROB I | ROY | |
|--------|----------------------------|---------|-------------------|---------------|------------------|----------------------|-----------|----------------------------|-------------------------------------|----------|
| Olioo | t / taarooo. | | | ., 74 100 | | SSD: | | 9975 | (0) | |
| City: | APTO | os | | | | Equipment # | : | | | |
| - | Street: | | | | | Pin #: | | | | |
| Divisi | on: Cent | ral Coa | ast | | | Pole #: | | | | |
| Latitu | de: | | | | | OIS #: | | 0001216063 | | |
| Longi | tude: | | - | | | SAP Func. L | ocation: | ED.76-O181900000 |).STRU.POLE | |
| Desc | - | D_BR | OK_REPL - | | | SAP Equipm | | 103828764 | | |
| Item | Details | ., / (| | | | Accessibility | ner. | | | |
| | Facility Type | | | Dam | nage | | Ca | use | Action | |
| Item 1 | _ | | | BRO | K Brok | en/Damaged | TRI | FL Tree Fell | REPL Repla | ice |
| | Completed | | Cance | led | | | | | | |
| User | · Status ——— | | | | | | Pole Te | est Sheet | | |
| Condu | ctor/Operating Information | Field I | dentification | | Field C | Condition (Exposure) | Field Co | ndition (Accessibility) | Other | |
| Status | Description | Status | Description | | Status | Description | Status D | Description | Status Description | |
| | | | | | | | | | | |
| Job E | Estimates ——— | | | | | Issue | d To — | | | |
| Est. T | otal Hrs. to Complete: | 14 | | | | Est. Electric Crew | Size: 03 | | 33, 95A-EC - OH Cap | o Major |
| Main \ | Work Center: W | /TSN\/I | LE, Watsonvi | ااو | | Gas Crew Size: | 00 | | ventSTANDING 5A, E Major Emgcy C | ЛН |
| | ed Repair Date: | | in it is a second | | | Out 010W 0120. | | | 7, , _ Major _ Mgoy C | |
| Revie | ewed By: | | | | | Date of Field Re | view: _ | | | |
| Comr | oleted or Canceled in F | ield B | / (LAN ID): | | 7 | If No LAN ID La | st Name | . First Name: | | |
| - | olete or Cancel Date: _ | - | • | Actual Ho | ⊐ urs: | *Ch | | | T-Man Cor | ntractor |
| • | ck One: | | npleted | | | Canceled | | | npleted Upon Arriv | al |
| Signa | ature: | | | | | | | | | |
| | I verify that all I | naintei | nance on thi | s notificatio | n is ac | ddressed (completed | d, cancel | led, or found complete | ed upon arrival) | |
| | *Public | Safet | y & Regula | atory Rev | iewer | : If notification v | vas car | nceled, check one | (required): | |
| | CONV: Converted to and | ther No | tif-Type | DUMN | / I: "Dur | mmy" for order only | | DUPL: Duplic | ate EC for Same Loc | ation |
| E | EROR: Created in Error (| Desk C | ancelation) | ☐ NCOA | | ound Completed/Reso | olved on | | mpelling/Regulator C | ondition |
| F | PROG: Completed under | anothe | er Program | | Arriv | ⁄al | | Exist | | |
| List c | of Tasks on Notifica | ition | | | | | | | | |
| Field | Comments: | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Electric Overhead Tag

Notification #: 120447914

35226307

PM Order #:

Priority: A **Sub Priority:**

Date Identified: 01/19/2021

Comments

01/19/2021 16:43:28 PST WMFASCPIC (WMFASCPIC)

Form Summary (non-saved Fields)

- Identified By Contractor :

- Meter Number

- Operating Number

40 acre fire started here per fire dept, 1 pole walk in 1 pole drive to

<SAFETY_INFO>

fire in area fepartment on site

</SAFETY_INFO>

01/19/2021 16:53:51 PST

TROUBLEMAN NOTED THAT IF WE PLAN TO SET NEW POLES TO BREAK UP 1400' SPAN

ALL NEW POLES WILL BE HAND DIGS.

Form Summary (non-saved Fields)

- Identified By Contractor :

- Meter Number

- Operating Number

40 acre fire started here per fire dept, 1 pole walk in 1 pole drive to

<SAFETY_INFO>

fire in area fepartment on site

</SAFETY INFO>

01/19/2021 16:53:51 PST

TROUBLEMAN NOTED THAT IF WE PLAN TO SET NEW POLES TO BREAK UP 1400' SPAN

ALL NEW POLES WILL BE HAND DIGS.

| | | ew | riorit | Comp | FDA | | New | riorit | omo; | FDA | | New | riorit | Comp | FDA | | New |
|--|----------------------------------|--------|--------|---------|---|---|---------------|---|----------|--|--|----------|----------------------------|-----------|---|--|---------|
| An | ichor | Z | Ь | O | | luctor | 2 | Τ (| O | Hardware | | Z | Д | O | Po | le | Z |
| roken/Damaged | Repair | Т | Ε | | Broken/Damaged | Repair | T | Ε | | Bird Prot Required | Install | | Ε | | Broken/Damaged | Re-Frame | |
| | Replace | T | Ε | | | Replace | Х | Е | | Birdcage | Install | П | Ε | | | Repair | |
| orroded | Repair | T | Ε | | Burnt | Repair | T | Е | | Broken/Damaged | Repair | П | Ε | | | Replace | T |
| | Replace | T | Ε | | | Replace | T | Е | | | Replace | П | Ε | | | Pole Stub | T |
| issing | Install | 1 | F | | Clearance Impaired | Adjust | T | Е | T | Loose | Adjust | П | Ε | | Burnt | Repair | T |
| il/Eroded/Graded | Adjust | + | F | | | Install CL Pole | \top | Е | ╗ | Missing | Install | | Ε | | | Replace | T |
| | Replace | \top | F | | | D 01 | | | 4 | High | | | | | | Pole Stub | T |
| Animal | Mitigation | | | | | RayChem | | E | 4 | Missing | Install | | F | | Clearance Impaired | Repair | T |
| roken/Damaged | Replace | Т | Ε | | Floater | Repair | | E | _ | Insul | ator | | | | · | Replace | T |
| litigation Missing | Install | 1 | Ε | | Idle Facilities | Remove | | Е | _ | Broken/Damaged | Replace | | Ε | | Decayed/Rotten | Pole Top Repair | + |
| Bird P | rotection | | | | Improper Connection | Adjust | | E | ╝ | Flashed | Replace | П | Ε | | - | | Ļ |
| ird Protection | Replace | | Ε | | Overloaded | Test | - | E | | Primary Squatter | Repair | П | Ε | \exists | | Repair | \perp |
| СВ | Pole | | | | Sag/Clearance | Adjust | _ | Е | | | Replace | П | Ε | - | | Replace | ╄ |
| roken/Damaged | Replace | T | F | | | Replace | | Ε | l | Secondary Squatter | Repair | - | Ε | \dashv | | Pole Stub | |
| urnt | Replace | T | Ε | | | Install | | Е | | J | Replace | | Ε | - | Idle Facilities | Remove | |
| ecayed/Rotten | Replace | + | F | | | Spreader Bracket | , | ' | | Jum | · | | _ | | Leaning | Adjust | |
| Booster | /Regulator | | | | Coni | nector | | | | Burnt | Replace | | Ε | | | Replace | Ī |
| roken/Damaged | Repair | Т | Ε | | Burnt | Replace | | Е | | Clearance Impaired | Adjust | \Box | Ε | \dashv | Overloaded | Replace | T |
| | Replace | T | Ε | П | Corroded | Repair | | E | \dashv | , and a second | Replace | - | E | \dashv | | Test | T |
| urnt | Repair | + | Ε | | 30110404 | Replace | | E | ╣ | LAPP Ir | | | _ | | No Safe Access to Pole | Inspect | T |
| xcessive Operation | Overhaul | + | Ε | | Incorrectly Installed | Replace | _ | E | ╣ | Broken/Damaged | Replace | | Ε | | Woodpecker Damage | Assessment | t |
| eaks/Seeps/Weeps | Clean | + | E | | | | | _ | ╣ | Lightning | | | _ | | Recloser/Se | ectionalizer | Ė |
| caks/seeps/weeps | Repair | + | E | _ | Temp Differential | Replace | ┙ | Е | | Broken/Damaged | Repair | | Ε | | Broken/Damaged | Repair | Т |
| | Replace | + | E | | Broken/Damaged | sarm Repair | 4 | Ε | = | | Replace | \vdash | Ε | \dashv | | Replace | T |
| Con | | ┷ | E | | brokeri/Darriageu | <u> </u> | | E | \dashv | Flashed | Repair | - | E | \dashv | Excessive Operation | Overhaul | t |
| oken/Damaged | Repair | Ŧ | Ε | | D | Replace | _ | _ | - | i idaii od | Replace | \vdash | E | - | Flashed | Repair | + |
| oken/Damaged | Replace | + | E | | Burnt | Repair | | E | 4 | Mark | · | | _ | | | Replace | + |
| urnt | Repair | + | E | | | Replace | | E | 4 | Broken/Damaged | Replace | | F | | Leaks/Seeps/Weeps | Clean | + |
| um | <u> </u> | + | E | | Decayed/Rotten | Repair | | Ε | _ | Missing | Install | - | F | - | Leaks/ Seeps/ Weeps | Repair | ╁ |
| a also /Ca a ma AMa a ma | Replace | + | - | \perp | | Replace | ┙ | Ε | | Molo | | | | | | Replace | + |
| eaks/Seeps/Weeps | Clean | + | В | | | tout | Ę | | | Broken/Damaged | Repair | | F | | Riser/P | | _ |
| | Repair | + | E | | Broken/Damaged | Repair | | E | 4 | g | Replace | - | F | \dashv | Broken/Damaged | Repair | ٣ |
| | Replace | ┷ | Ε | | | Replace | \rightarrow | E | 4 | Loose | Adjust | \vdash | F | - | Broker, Barnagea | Replace | + |
| Climbir bstructed | ng Space | 믁 | F | | Clearance Impaired | Adjust | | Ε | 4 | Missing | Install | ш | · F | - | Installed in Error | Relocate | + |
| bstructed | Adjust | Ш | ٢ | | Flashed | Repair | | Е | 4 | | | | Г | | Flashed | | + |
| | | | | | | Replace | | Ε | | OH Fa | Install | | Ε | | riastieu | Repair | + |
| | | | | | | Streetlight | | | | Customer Related | Access | \vdash | В | - | DT | Replace | |
| | | | | | Broken/Damaged | Donlaco | | _ T | | | Access | | ויי | - 1 | KI | 3.71 | _ |
| | | | | | | Replace | | Ε | | customer kelateu | Annointment | - | D | _ | Interference | VI | |
| | | | | | Missing | Install | | E E | | customer kelateu | Appointment | | В | _ | Interference | Repair | |
| | | | | | Fault In | Install | | E | | | Refusal | | В | | | Repair Replace | |
| | | | | | Fault In Broken/Damaged | Install dicators Replace | | _ | | Graffiti | Refusal Paint | | B E | | SCADA | Repair Replace /PDAC | |
| | | | | | Fault In Broken/Damaged Gro | Install dicators Replace | | E E | | | Refusal Paint De-Energ | | B E E | | | Repair Replace /PDAC Repair | |
| | | | | | Fault In Broken/Damaged | Install dicators Replace ound Repair | | E E B | | Graffiti | Refusal Paint De-Energ Remove | | B E E | | SCADA Broken/Damaged | Repair Replace /PDAC Repair Replace | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged | Install dicators Replace und Repair Replace | | E E B | | Graffiti Idle Facilities | Refusal Paint De-Energ Remove Transfer | | B E F | | SCADA | Repair Replace /PDAC Repair Replace Repair | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed | Install dicators Replace und Repair Replace Repair | | E B B F | | Graffiti | Refusal Paint De-Energ Remove | | B E F F | | SCADA Broken/Damaged | Repair Replace /PDAC Repair Replace Repair Replace | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged | Install dicators Replace und Repair Replace | | E E B | | Graffiti Idle Facilities | Refusal Paint De-Energ Remove Transfer | | B E F B | | SCADA Broken/Damaged Leaks/Seeps/Weeps | Repair Replace /PDAC Repair Replace Repair Replace Test | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing | Install dicators Replace und Repair Replace Repair Install uy | | E B B F E | | Graffiti Idle Facilities | Refusal Paint De-Energ Remove Transfer Inspect | | B E F B E | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Lati | Repair Replace /PDAC Repair Replace Repair Replace Test tice Pole | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing | Install dicators Replace und Repair Replace Repair Install uy Repair | | E B B F E | | Graffiti Idle Facilities | Refusal Paint De-Energ Remove Transfer Inspect Patrol | | B E F B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing | Repair Replace /PDAC Repair Replace Repair Replace Test tice Pole Install | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged | Install dicators Replace und Repair Replace Repair Install uy Repair Replace | | E | | Graffiti Idle Facilities Limited Access | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove | | B E F B E | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole | Repair Replace /PDAC Repair Replace Repair Replace Test tice Pole Install Step | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing | Install dicators Replace und Repair Replace Repair Install uy Repair | | E B B F E | | Graffiti Idle Facilities Limited Access | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect | | B E F B E B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired | Repair Replace //PDAC Repair Replace Repair Replace Test tice Pole Install Step Remove | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged | Install dicators Replace und Repair Replace Repair Install uy Repair Replace | | E | | Graffiti Idle Facilities Limited Access | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove | | B E F B E B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree | Repair Replace /PDAC Repair Replace Repair Replace Test tice Pole Install Step Remove | |
| EMERGEN | NCY ONLY | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged Clearance Impaired | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust | | E B B F E E F | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired | Repair Replace //PDAC Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Repair | |
| | NCY ONLY le (Required) | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged Clearance Impaired | Install dicators Replace aund Repair Replace Repair Install uy Repair Replace Adjust Repair | | E | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Lat Guarding Missing Pole Clearance Impaired Stree Broken/Damaged | Repair Replace /PDAC Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Replace | |
| | | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing Groken/Damaged Clearance Impaired Corroded | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Repair Replace | | E B B F E E E E E E E E E | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing | Repair Replace /PDAC Repair Replace Repair Replace Repair Replace Install Step Remove ttiight Replace Install | |
| Check Caus | e (Required) | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged Clearance Impaired Corroded Loose | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Replace Adjust Adjust | | E B B B F E E E E F F E F F | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing Steel Latti | Repair Replace /PDAC Repair Replace Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Repair Replace Install Ce Tower | |
| Check Cause | e (Required) Bird | ten | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged Clearance Impaired Corroded Loose Missing Overgrown | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Repair Replace Adjust Install | | E B B F E F F E E E E E E | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing Steel Latti Broken/Damaged | Repair Replace PDAC Repair Replace Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Repair Replace Install Ce Tower Replace | |
| Check Caus Animal Equip Failed | Bird Fire | | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing G Broken/Damaged Clearance Impaired Corroded Loose Missing | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Replace Adjust Install Install Trim Adjust | | E B B B B B B B B B | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing Steel Latti Broken/Damaged Swi | Repair Replace /PDAC Repair Replace Repair Replace Repair Replace Test tice Pole Install Step Remove ttlight Repair Replace Install Ce Tower Replace tch | |
| Check Caus Animal Equip Failed Lightning | e (Required) Bird Fire Pole Rott | nch | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing Groken/Damaged Clearance Impaired Corroded Loose Missing Overgrown Strain/Abrasion | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Replace Adjust Install Install Trim Adjust Remove | | E B B F E F F E E E E E E | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing Steel Latti Broken/Damaged | Repair Replace /PDAC Repair Replace Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Repair Replace Install ce Tower Replace tch Repair | |
| Check Caus Animal Equip Failed Lightning Third Party | e (Required) Bird Fire Pole Roti | nch | | | Fault In Broken/Damaged Gro Broken/Damaged Exposed Missing Groken/Damaged Clearance Impaired Corroded Loose Missing Overgrown Strain/Abrasion | Install dicators Replace und Repair Replace Repair Install uy Repair Replace Adjust Replace Adjust Install Install Trim Adjust | | E B B B B B B B B B | | Graffiti Idle Facilities Limited Access Obstructed | Refusal Paint De-Energ Remove Transfer Inspect Patrol Remove Inspect Remove Remove Replace | | B E F B E B B | | SCADA Broken/Damaged Leaks/Seeps/Weeps Steel Latt Guarding Missing Pole Clearance Impaired Stree Broken/Damaged Missing Steel Latti Broken/Damaged Swi | Repair Replace /PDAC Repair Replace Repair Replace Repair Replace Test tice Pole Install Step Remove tlight Repair Replace Install ce Tower Replace tch Repair Replace | |



Electric Overhead Tag

Notification #: 120447914

PM Order #: 35226307

Priority: A Sub Priority:

Date Identified: 01/19/2021

| FDA | | New | Priority | Comp |
|--------------------|-----------------|-----|----------|------|
| Tie \ | Vire | | | |
| Broken/Damaged | Replace | | Ε | |
| Loose | Replace | | Ε | |
| Transf | ormer | | | |
| Broken/Damaged | Repair | | Ε | |
| | Replace | | F | |
| Corroded | Replace | | Ε | |
| Flashed | Repair | | Ε | |
| | Replace | | Ε | |
| Idle Facilities | Remove | | F | |
| No Common Neutral | Relocate | | Ε | |
| Overloaded | Test | | Ε | |
| Parallel | Replace | | Ε | |
| Leaks/Seeps/Weeps | Clean | | В | |
| | Repair | | F | |
| | Replace | | Ε | |
| Tree | /Vine | | | |
| Clearance Impaired | Remove | | Ε | |
| | Trim | | Ε | |
| Decayed/Rotten | Install CL Pole | | Ε | |
| Overgrown | Remove | | Ε | |
| | Trim | | Ε | |
| Trip S | Saver | | | |
| Broken/Damaged | Repair | | Ε | |
| | Replace | | Ε | |
| Under-A | rm Bus | | | |
| Broken/Damaged | Repair | | F | |
| | | | | _ |

| Pacific G | as | & Elec | tric Company | Ad Ho | ос Мар | | AT LEAST 48 HOUR | |
|-----------|------|---------|--------------|---------------|--------------|-------|-------------------------------------|------|
| | | OIS#: | 1216063 | PRINTED ON: | 1/19/2021 | | IN THIS AREA DIA E LOCATIONS VEI | |
| | | NOT. #: | 120447914 | SAP ID: | 103828764 | TOOLS | | |
| DCCE | | PM#: | 35226307 | CIRCUIT NAME: | ROB ROY 2104 | | SSD: | 9975 |
| | N | LAT: | | LONG: | | _ | SCALE: | NTS |
| SIT | E AD | DRESS: | | | , APTOS, AP | TOS | | |

ANGLES, SPANS, GUYS & ANCHORS HAVE NOT BEEN FIELD VERIFIED BY ESTIMATING. CONSERVATIVE VALUES USED FOR CALCULATIONS.

ATTENTION CONSTRUCTION: Contact the ESTIMATOR BELOW for any/all changes to pole configuration that differ from the proposed design. Including changes to Setting Depth, Class, Anchor Lead/Angle, Conductor Change, or Changes to Equipment used

| PROJECT: COND BROK REPL - APT | | | | | | | | | | |
|-------------------------------|------------------------|-----------------|----------|------|--------------------|---------------|--|--|--|--|
| Raptor Zone: | YES | Pri. Voltage: | 21 KV | EST: | | | | | | |
| Ins. Dist: | Α | Voltage Area: | 1 | ADE: | | | | | | |
| Fire Data: | SRA-TIER 2 - ELEVATED | Arrestor Dist: | 3 | SUP: | | | | | | |
| | | Corrosion Area: | MODERATE | REP: | | | | | | |
| NO ENVI | RONMENTAL ISSUES FOUND | Loading Area: | LIGH | T | Joint Pole Number: | NOT AVAILABLE | | | | |



Form: TD-2504P-01-F01

Publication Date: 04/01/2020 Rev: 2

Overhead Construction Completion Standards Checklist (CCSC: B1, M610615)

| EC Notif./Order(PM) # Loc# Address or GPS City | |
|--|--|
|--|--|

- · Address all safety items first.
- Gray shaded areas: Address ALL items shaded in GRAY relevant to the location.
- . Non-shaded areas: Address items that apply to the work being performed at the location.
- If a specific section does not apply to the location being worked, mark the "N/A" box for that section.

(Refer to Utility Procedure TD-2504P-01 for all other CCSC form instructions and requirements)

| | N/A | POLES EC | /ER |
|-----|-----------|---|-----|
| 1. | | Date nail installed in pole | ER |
| 2. | | Set at minimum depth or deeper; HFTD depths differ | ER |
| 3. | | Preservative pole wrap installed (if necessary) | ER |
| 4. | | Visibility strips installed when required | EC |
| 5. | | Top not leaning more than 10% of height above ground | EC |
| 6. | | Pole numbering installed on & recorded for new poles | ER |
| 7. | clin | Bottom pole step 8-1/2 ft. or more above ground or nbable structure | EC |
| | N/A | GUYS EC | /ER |
| 8. | | Marker installed on all guys (vis strips as required) | EC |
| 9. | | No broken or slack guy wires (span or down guys) | EC |
| 10. | | Guy wire ends not exposed | EC |
| 11. | | Guy insulator (bobs) 3" or more apart | EC |
| 12. | | Guy insulators out of barrel of proximity | EC |
| 13. | | Trees not grounding guy wire above guy insulator | EC |
| 14. | | 3" clearance from Comm./Cable/Secondary/Service | EC |
| 15. | | Guy insulators 8' or more above ground | EC |
| 16. | | Span guy insulators between 6' and 9' from pole | EC |
| 17. | | Pole plate/thimble assembly installed on 7/16" guys | ER |
| 18. | | Multiple wires clamped together as required | EC |
| 19. | □ at 1 | Span guy supported by anchor when 500 lbs. or more 16', 1000 bs. or more at 8' above ground | ER |
| 20. | | PISA rod 36" or less above ground | ER |
| 21. | □ gro | X-plate/expanding anchor rod 6" or less above und (12" allowable if angle is more than 45 deg.) | ER |
| 22. | □ req | Radial clearance from guy wire to conductors meets uired distances | EC |
| 23. | □ atta | Anchor rod is not buried beyond the point of achment to the guy wire(s) | EC |
| | N/A | HARDWARE EC | /ER |
| 24. | | Bolts not extending more than 1" beyond the nut in abing space | ER |
| 25. | sup | Clearance from unassociated hardware and hardware porting energized wires 1-1/2" or more | EC |
| 26. | | Covers installed over bolts in climbing space below e top that are bonded to or used for DE hardware. | ER |
| 27. | | Pole line hardware is not loose and installed per ndard (spring clips w/round washers, etc.) | ER |
| 28. | | Anti-split bolt is installed as required | ER |
| | | | |

| | N/A | CONDUCTORS EC | /ER | | |
|--|--|---|--|--|--|
| 29. | | Clearances maintained above ground and structures | EC | | |
| 30. | | Clearances maintained to other conductors, guys, and uipment (poles, crossarms, lead wires, etc.) | EC | | |
| 31. | | Incidental wire clearances maintained | EC | | |
| 32. | | Conductors sagged correctly | EC | | |
| 33. | | Vibration dampers installed as required | ER | | |
| 34. | | Splices installed as required (new, maintenance, fire, etc) | ER | | |
| 35. | | Tie pads installed with preform ties (Required) | ER | | |
| 36. ☐ Connectors installed per standard (proper type, surface cleaned, inhibitor compound applied, etc.) | | | | | |
| 37. | cor | Covered conductors sealed correctly (drip loops, nnectors properly sealed, etc.) | ER | | |
| 38. | | Tap clamps with tap guard installed per standard | ER | | |
| 39. | | Armor rod installed as required on conductors | ER | | |
| 40. | 40. ☐ Bond wire has required 1-1/2" clearance to unassociated hardware | | | | |
| 41. ☐ Raptor safe construction & wildlife protection installed as required | | | | | |
| | | | | | |
| | N/A | CROSSARMS (WOOD OR COMPOSITE) | /ER | | |
| 42. | N/A | CROSSARMS (WOOD OR COMPOSITE) EC | ER | | |
|] | □ □ wa | , | ER | | |
| 42. | □ □ wa | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom | ER | | |
| 42. 43. | □ wa | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) | ER ER | | |
| 42. 43. 44. 45. | ua of o | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached | ER ER ER | | |
| 42. 43. 44. 45. | wa of o | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached | ER ER ER | | |
| 42. 43. 44. 45. | wa of o | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS EC | ER ER ER EC | | |
| 42. 43. 44. 45. | wa of o | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed | ER ER EC EC | | |
| 42. 43. 44. 45. 46. | wa of o | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information | ER ER EC EC ER ER | | |
| 42. 43. 44. 45. 46. 47. | wa of c | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information Cable protector installed | ER ER EC EC ER ER ER | | |
| 42. 43. 44. 45. 46. 47. 48. | wa of (| Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information Cable protector installed All lags installed in first 8' of bottom section of molding | ER ER EC EC ER ER ER ER | | |
| 42. 43. 44. 45. 46. 47. 48. 49. | wa of (| Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information Cable protector installed All lags installed in first 8' of bottom section of molding 36" max lag spacing above 8' level of molding | ER ER ER ER ER EC EC | | |
| 42. 43. 44. 45. 46. 47. 48. 49. 50. | wa of c | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information Cable protector installed All lags installed in first 8' of bottom section of molding 36" max lag spacing above 8' level of molding Pole steps installed on joint poles as required Top of riser molding maintains proper clearance above | ER ER EC ER ER ER EC EC EC | | |
| 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. | wa of c | Braces bolted securely All washers installed per standard; Note: when angle shers are used, they must be installed on the top & bottom composite arms (does not apply to jumper supports) Correct size and application UAB securely attached RISERS Backup plate installed Riser tag(s) installed indicating required information Cable protector installed All lags installed in first 8' of bottom section of molding 36" max lag spacing above 8' level of molding Pole steps installed on joint poles as required Top of riser molding maintains proper clearance above er conductors Bare ground wire in the primary or secondary riser is | ER ER ER ER EC EC EC ER | | |

☐ High-voltage signs installed per standard

55.

EC



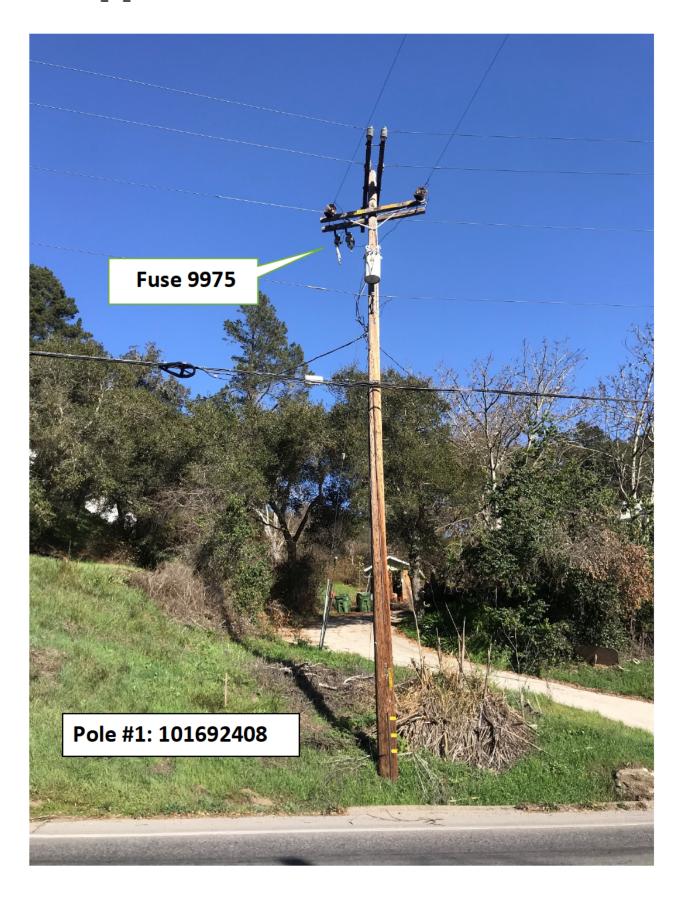
Form: TD-2504P-01-F01

Publication Date: 04/01/2020 Rev: 2

Overhead Construction Completion Standards Checklist (CCSC: B1, M610615)

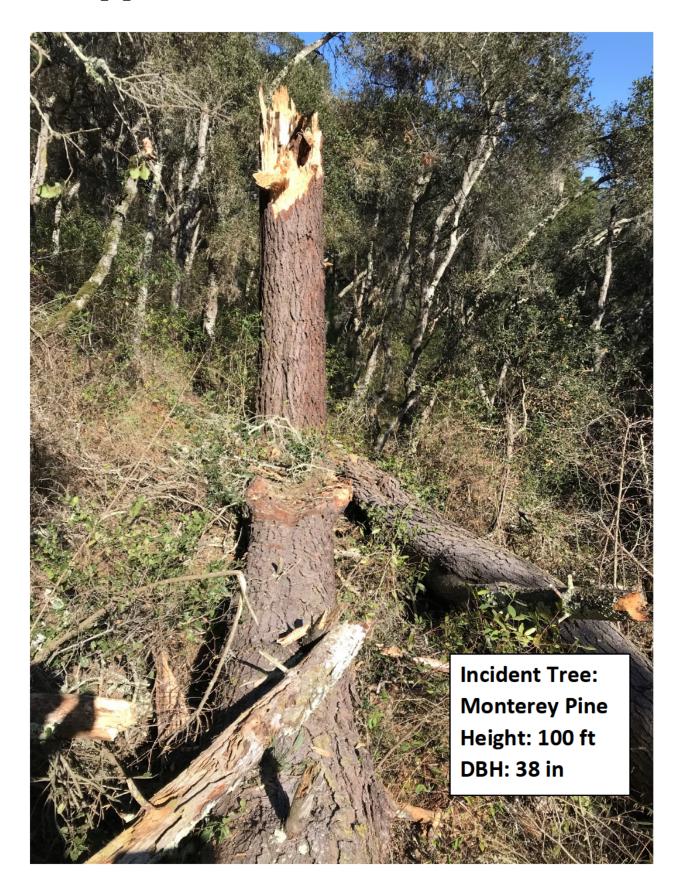
| Store arrester ground installed per standard ER | Surge arrester ground installed per standard | □ Ground pole tag installed per standard □ Surge arrester ground installed per standard □ Rods installed 6' or more apart □ Rods and wire 12" deep (18" deep in plowed area) □ Proof-Positive Ground (PPC-PGW) installed □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER ER ER ER EC EC EC EC EC | 79. 80. 81. 82. 83. 84. 85. 86. | N/A D D D D D Cu | Nothing other than allowable obstructions installed AWAC 4" x 4" curved washer installed at dead-ends Maximum slack span length not exceeded 15" from c/l of pole when less than 6' (4' min) from 750–2.5 kV or in transition from open wire construction SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | ER EC EC EC EC |
|--|--|--|--|---|---|--|--|
| Surge arrester ground installed per standard | Surge arrester ground installed per standard | □ Surge arrester ground installed per standard □ Rods installed 6' or more apart □ Rods and wire 12" deep (18" deep in plowed area) □ Proof-Positive Ground (PPC-PGW) installed □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER ER EC EC EC EC EC | 80. 81. 82. 83. 84. 85. | N/A | AWAC 4" x 4" curved washer installed at dead-ends Maximum slack span length not exceeded 15" from c/l of pole when less than 6' (4' min) from 750–2.5 kV or in transition from open wire construction SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC/ER EC EC EC EC |
| 59. Rods installed 6' or more apart | Solidation Section S | □ Rods installed 6' or more apart □ Rods and wire 12" deep (18" deep in plowed area) □ Proof-Positive Ground (PPC-PGW) installed □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER ER EC EC EC EC EC | 80. 81. 82. 83. 84. 85. 86. | | 4" x 4" curved washer installed at dead-ends Maximum slack span length not exceeded 15" from c/l of pole when less than 6' (4' min) from 750– 5.5 kV or in transition from open wire construction SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | ER EC EC EC EC |
| 60. □ Rods and wire 12" deep (18" deep in plowed area) | 60. Rods and wire 12" deep (18" deep in plowed area) | □ Rods and wire 12" deep (18" deep in plowed area) □ Proof-Positive Ground (PPC-PGW) installed □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER EC EC EC ER EC EC | 81. 82. 83. 84. 85. 86. | D 222 N/A Op D Cu | Maximum slack span length not exceeded 15" from c/l of pole when less than 6' (4' min) from 750– 2.5 kV or in transition from open wire construction SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the en position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC/ER EC EC EC |
| 61. □ Proof-Positive Ground (PPC-PGW) installed | 61. Proof-Positive Ground (PPC-PGW) installed | □ Proof-Positive Ground (PPC-PGW) installed □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER EC ER EC ER ER ER | 82. 83. 84. 85. 86. | N/A op | 15" from c/l of pole when less than 6' (4' min) from 750–2.5 kV or in transition from open wire construction SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC/ER EC EC |
| 62. Staples/straps installed with required spacing | Staples/straps installed with required spacing EC | □ Staples/straps installed with required spacing □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | EC EC ER ER EC EC | 83. 84. 85. 86. | D Cu | Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC EC |
| Staples/straps installed with required spacing EC Staples/straps installed with required spacing EC N/A | Staples/straps installed with required spacing EC | □ Bare ground is 1-1/2" or more from unassociated hardware /A OVERHEAD SERVICES EC/ □ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | EC EC ER ER EC | 83. 84. 85. 86. | N/A op | SWITCHES / EQUIPMENT / CUTOUTS Switch handles 15' or more above ground (when in the pen position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC EC |
| N/A OVERHEAD SERVICES EC/ER | NA | hardware /A OVERHEAD SERVICES EC/ Proper clearances maintained (Example: above ground, streets, from communications, etc.) /A TRANSFORMERS EC/ Shear plates installed, 1301 bs. or more Bolts covers and spring clip installed per standard 10" clearance above secondary conductors Proper clearance below primary conductors | ER ER ER ER EC | 83. 84. 85. 86. | op cu | Switch handles 15' or more above ground (when in the en position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC EC |
| N/A OVERHEAD SERVICES EC/ER | N/A OVERHEAD SERVICES EC/ER 64. | OVERHEAD SERVICES Color Proper clearances maintained (Example: above ground, streets, from communications, etc.) TRANSFORMERS Color Shear plates installed, 1301 bs. or more Bolts covers and spring clip installed per standard 10" clearance above secondary conductors Proper clearance below primary conductors | ER ER ER EC | 84. 85. 86. | op | en position) Equipment control boxes 15' or more above ground Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC |
| N/A TRANSFORMERS EC/ER Shear plates installed, 1301 bs. or more ER 66. | N/A TRANSFORMERS EC/ER Shear plates installed, 1301 bs. or more ER 66 Bolts covers and spring clip installed per standard ER 77 D' reper clearance below primary conductors EC 88 Proper clearance below primary conductors EC 89 Proper clearance below primary conductors ER N/A FIRE AREAS (HFTD – Tier 2 or Tier 3) EC/ER/Veg 70 Dreawire installed for new construction per standard EC 71 Donly exempt equipment and connections installed EC 72 D10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) 73 No new in-line splices installed per standard ER 74 Dransformers with FR3 insulating fluid installed EC 75 Depen-wire secondary replaced with Aerial Cable as required EC 76 All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required EC N/A WORKMANSHIP EC/ER 95 Verify job site is clean and excess material picked up Ef Notification Created? No Yes (If yes, provide Notification # if available) # | ground, streets, from communications, etc.) /A TRANSFORMERS EC/ Shear plates installed, 1301 bs. or more Bolts covers and spring clip installed per standard 10" clearance above secondary conductors Proper clearance below primary conductors | ER ER ER | 85. 86. | cu | Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | EC EC |
| N/A TRANSFORMERS EC/ER | N/A TRANSFORMERS EC/ER Shear plates installed, 1301 bs. or more ER 60. Shear plates installed, 1301 bs. or more ER 61. Bolts covers and spring clip installed per standard ER 62. Proper clearance above secondary conductors EC 63. Proper clearance below primary conductors EC 64. Proper clearance below primary conductors EC 65. Proper clearance below primary conductors EC 66. Bolts covers and spring clip installed per standard ER 67. Proper clearance below primary conductors EC 68. Proper clearance below primary conductors EC 69. Proper lead wires and/or connectors installed on surge arresters to cutouts or line conductors ER N/A FIRE AREAS (HFTD - Tier 2 or Tier 3) EC/ER/Veg 70. Tree wire installed for new construction per standard EC 71. Only exempt equipment and connections installed EC 72. 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) Veg 73. No new in-line splices installed per standard ER 74. Transformers with FR3 insulating fluid installed EC 75. Open-wire secondary replaced with Aerial Cable as required ER 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required EC 77. Tree attachments addressed per standard EC 78. Operating numbers installed per standards EC 88. G' of neutral space maintained on joint pole (new) EC/ER/Veg 89. Identified third-party conditions documented on a third-party notification PGE-or on more clearance to 3rd party antennas EC 91. PGE-owned antennas installed per standards EC 92. New Line Construction: Ensure 15' clearance from center 10. N/A VEGETATION EC/ER 93. Reconstruction work: Adequate clearance maintained 10. N/A VEGETATION EC/ER 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 10. N/A VEGETATIO | TRANSFORMERS EC/ Shear plates installed, 1301 bs. or more Bolts covers and spring clip installed per standard 10" clearance above secondary conductors Proper clearance below primary conductors | ER ER ER | 86. | cu | Overhead equipment is secured and locked Single pole step installed on poles with drop-out type | |
| N/A TRANSFORMERS EC/ER | N/A | □ Shear plates installed, 1301 bs. or more □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER ER EC | 86. | cu | Single pole step installed on poles with drop-out type | ER |
| Cutouts for storing fuse holder/solid blade when cutouts are open (not in the climbing space) 87. Department of the climbing space open (not in the climbing space) 88. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 80. Proper clearance below primary conductors of the conductors of the conductors of the climbing space open (not in the climbing space) 80. Proper clearance below primary conductors of the conductors of the conductors of the climbing space open (not in the climbing space) 81. Department of the climbing space open (not in the climbing space) 82. Department of the climbing space open (not in the climbing space) 83. Department of the climbing space open (not in the climbing space) 84. Department of the climbing space open (not in the climbing space) 85. Department of the climbing space open (not in the climbing space) 86. Department of the climbing space) 87. Department of the climbing space open (not in the climbing space) 88. Department of the climbing space open (not in the climbing space) 88. Department of the climbing space open (not in the climbing space) 88. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. Department of the climbing space open (not in the climbing space) 89. | 65. Shear plates installed, 1301 bs. or more | □ Bolts covers and spring clip installed per standard □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | ER EC | 87. | | | ER |
| 87. Operating numbers installed per standards EC | 67. □ 10" clearance above secondary conductors | □ 10" clearance above secondary conductors □ Proper clearance below primary conductors | EC | 87. | op | | 1 |
| 68. | Proper clearance below primary conductors EC | □ Proper clearance below primary conductors | | 87. | | | |
| 69. | 69. Proper lead wires and/or connectors installed on surge arresters to cutouts or line conductors N/A FIRE AREAS (HFTD - Tier 2 or Tier 3) | | EC | | | | |
| surge arresters to cutouts or line conductors N/A FIRE AREAS (HFTD - Tier 2 or Tier 3) EC/ER/Veg 70. Tree wire installed for new construction per standard EC 71. Only exempt equipment and connections installed EC 72. 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) Veg 73. No new in-line splices installed per standard ER 74. Transformers with FR3 insulating fluid installed EC 75. Open-wire secondary replaced with Aerial Cable as required CE 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required ER 77. Workmanship EC/ER 78. Identified third-party conditions documented on a third-party notification 90. 6' or more clearance to 3rd party antennas EC 91. PG&E-owned antennas installed per standard 92. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 93. Reconstruction work: Adequate clearance maintained from primary conductors to trees 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 89. Identified third-party conditions documented on a third-party notification 90. 6' or more clearance to 3rd party antennas 91. PG&E-owned antennas installed per standard 92. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 93. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 76. N/A WORKMANSHIP EC/ER | surge arresters to cutouts or line conductors N/A FIRE AREAS (HFTD - Tier 2 or Tier 3) EC/ER/Veg To Tree wire installed for new construction per standard EC Only exempt equipment and connections installed EC No new line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed EC Open-wire secondary replaced with Aerial Cable as required EC Open-wire secondary replaced with Aerial Cable as required EC Only exempt equipment and connections addressed EC Open-wire secondary replaced with Aerial Cable as required EC Only exempt equipment and connections installed EC Open-wire secondary replaced with Aerial Cable as required EC Open-wire secondary replaced with Aerial Cable as required EC Only exempt equipment and connections installed EC Only exempt equipmen | □ Proper lead wires and/or connectors installed on | | | | | _ |
| N/A FIRE AREAS (HFTD – Tier 2 or Tier 3) | N/A FIRE AREAS (HFTD - Tier 2 or Tier 3) | surge arresters to cutouts or line conductors | | _ | | Identified third-party conditions documented on a | EC |
| 71. □ Only exempt equipment and connections installed | 71. □ Only exempt equipment and connections installed | /A FIRE AREAS (HFTD – Tier 2 or Tier 3) EC/ER | Veg | | | | |
| 72. 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) 73. No new in-line splices installed per standard 74. Transformers with FR3 insulating fluid installed 75. Open-wire secondary replaced with Aerial Cable as required 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 77. N/A VEGETATION EC/EF 92. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 93. Reconstruction work: Adequate clearance maintained from primary conductors to trees 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services N/A WORKMANSHIP EC/EF | 72. □ 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) 73. □ No new in-line splices installed per standard 74. □ Transformers with FR3 insulating fluid installed 75. □ Open-wire secondary replaced with Aerial Cable as required 76. □ All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 77. □ Tree attachments addressed per standard 78. □ No new in-line splices installed per standard 79. □ New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 90. □ New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 91. □ Reconstruction work: Adequate clearance maintained from primary conductors to trees 94. □ Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 94. □ Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 95. □ Verify job site is clean and excess material picked up 86. □ N/A WORKMANSHIP EC/EF | ☐ Tree wire installed for new construction per standard | | . — | | | EC |
| subject poles (non-exempt equipment present) 73. No new in-line splices installed per standard 74. Transformers with FR3 insulating fluid installed 75. Open-wire secondary replaced with Aerial Cable as required 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 77. Workfisch site is also and every secondary wires. The subject poles (non-exempt equipment present) 88. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. Reconstruction work: Adequate clearance maintained from primary conductors to trees 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 96. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 97. Reconstruction work: Adequate clearance maintained from primary conductors to trees 98. Reconstruction work: Adequate clearance maintained from primary conductors to trees 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. Reconstruction work: Adequate clearance maintained from primary conductors to trees 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. Reconstruction work: Adequate clearance maintained from primary conductors to trees 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 99. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed | subject poles (non-exempt equipment present) 73. No new in-line splices installed per standard 74. Transformers with FR3 insulating fluid installed 75. Open-wire secondary replaced with Aerial Cable as required 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 77. Tree attachments addressed per standard 80. Notification Created? 81. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 92. New Line Construction: Ensure 15' clearance from center line of pole to trees and hazard trees addressed 93. Reconstruction work: Adequate clearance maintained from primary conductors to trees 94. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 95. Verify job site is clean and excess material picked up 86. Notification Created? 87. Verify job site is clean and excess material picked up | ☐ Only exempt equipment and connections installed | EC | l - | | | EC |
| 73. □ No new in-line splices installed per standard | 73. No new in-line splices installed per standard | | Veg | | | | |
| 75. Open-wire secondary replaced with Aerial Cable as required FC 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required FC FC FC FC FC FC FC FC FC F | 75. | □ No new in-line splices installed per standard | ER | | lin | e of pole to trees and hazard trees addressed | ER |
| required 76. □ All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 94. □ Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services □ N/A WORKMANSHIP EC/EF | required 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required 77. Tree attachments addressed per standard 88. Notification Created? 99. Checked and/or removed excessive strain and abrasion on secondary wires, guys, or services 99. WORKMANSHIP 90. Verify job site is clean and excess material picked up 90. Verify job site is clean and excess material picked up | | EC | 93. | | | ER |
| 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required ER N/A WORKMANSHIP EC/EF | 76. All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required FR ST. Tree attachments addressed per standard FR ST. Verify job site is clean and excess material picked up FR ST. Verify job site is clean and excess material picked up FR ST. Verify job site is clean and excess material picked up FR ST. Verify job site is clean and excess material picked up | | EC | 94. | | | EC |
| guarded and an jumpers insulated as required | 77. □ Tree attachments addressed per standard EC 95. □ Verify job site is clean and excess material picked up EF Notification Created? □ No □ Yes (If yes, provide Notification # if available) # | | ER | | | | C/FR |
| The attachments addressed per standard | Notification Created? ☐ No ☐ Yes (If yes, provide Notification # if available) # | | FC | | | | ER |
| | | · | | | | | EF |
| | | | | | | | |
| | | • | | | cso | C Form. | |
| | _ | | Tree wire installed for new construction per standard Only exempt equipment and connections installed 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) No new in-line splices installed per standard Transformers with FR3 insulating fluid installed Open-wire secondary replaced with Aerial Cable as required All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required Tree attachments addressed per standard tification Created? No Yes (If yes, provie | Tree wire installed for new construction per standard | Tree wire installed for new construction per standard | Tree wire installed for new construction per standard EC 90. □ 91. □ 90. □ 91. □ 90. □ 91. □ 90. □ 91. | Tree wire installed for new construction per standard EC Only exempt equipment and connections installed EC 10' radial minimum clearance provisions addressed on subject poles (non-exempt equipment present) No new in-line splices installed per standard ER Transformers with FR3 insulating fluid installed EC Open-wire secondary replaced with Aerial Cable as required All risers and equipment locations fully bird/animal guarded and all jumpers insulated as required ER Tree attachments addressed per standard ER Oreated? No Yes (If yes, provide Notification # if available) # OMMENTS - (Specific Job Notes): |

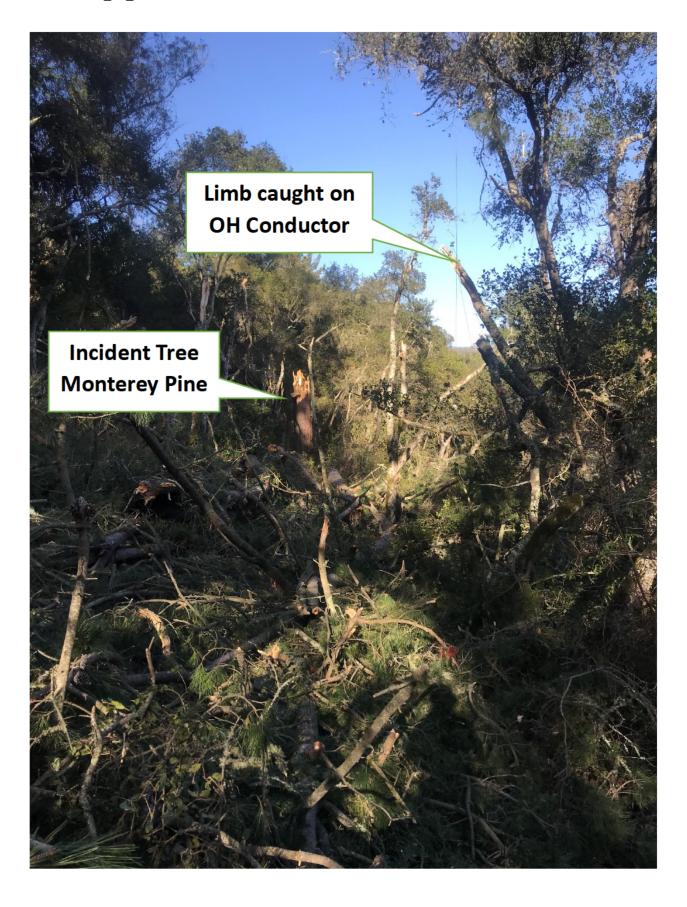
LAN ID _____ Signature _____ Date ____















PACIFIC GAS AND ELECTRIC COMPANY

ELECTRIC INCIDENT REPORT FORM

TO: CALIFORNIA PUBLIC UTILITIES COMMISSION

| PG&E F | Reference Number: EI210119B | | | | |
|---|--|--------------------------------|--|--|--|
| | CPUC Website | January 20, 2021 at 2150 hours | | | |
| | CPUC Recipient | Date & Time CPUC Notified | | | |
| | 1-800-235-1076 | PG&E | | | |
| | Telephone Number | Reported by | | | |
| | | 415-973-2782 | | | |
| | | Telephone Number | | | |
| Report Type: 20-Day Report | | | | | |
| | INJURY/FATALITY: An incident which results in a fatality or personal injury to an employee or 3rd party rising to the level of in-patient hospitalization and is attributable or allegedly attributable to utility owned electric facilities. Incidents involving motor vehicles are not reportable unless they result in death or injury attributable or allegedly attributable to electrical contact with the utility owned electric facilities. | | | | |
| MEDIA: An incident that is attributable or allegedly attributable to Pacific Gas and Electric owned electric facilities and is subject to significant public attention and/or media coverage. | | | | | |
| | PROPERTY DAMAGE: A single electric incident where property damage of the utility or a single 3rd party is estimated to exceed \$50,000 and is attributable or a llegedly attributable to utility owned electric facilities. | | | | |
| | OPERATOR JUDGEMENT: Any incident that is significant in the judgement of the operator, even though it may not meet the incident reporting criteria. | | | | |

20-Day Report Sent to CPUC - Date: February 18, 2021

Initial Report Sent to CPUC – Date: January 20, 2021



PACIFIC GAS AND ELECTRIC COMPANY

ELECTRIC INCIDENT REPORT FORM

TO: CALIFORNIA PUBLIC UTILITIES COMMISSION

| PG&E Reference Number: EI210119B | | | | | | 20-Day Report |
|---|--------------------|----------------------|-----|------------|-------|---------------|
| Date and Time of Incident: | January 19 | , 2021 at 0800 hour | S | | | |
| Date and Time Incident Determined Repor | rtable: January 20 | , 2021 at 1800 hours | S | | | |
| Location of Incident: | | | | | | |
| City: Aptos | Division: | Central Coast | | County: | Santa | Cruz |
| Circuit/Facility: Rob Roy 2104 | Voltage: | 12kV | | | | |
| Service Interrupted (Date and Time): Ja | anuary 19, 2021 at | 0745 hours | To | tal Custor | ners | 2 |
| Service Restored (Date and Time): Ja | anuary 20, 2021 at | 1950 hours | Aff | fected: | | 3 |

Description of Incident:

On the morning of January 19, 2021, a vegetation fire ("Freedom Fire") started nead Location"). At the time of the incident, a major wind event impacting much of Cali ecuting a Public Sa fety Power Shut-Off ("PSPS"). Santa Cruz County was not impacted by the PSPS event though, as a result of the extreme wind conditions, local police and fire department first responders responded to multiple storm related incidents such as power outages, downed trees, road closures, and fires. The Santa Cruz area experienced sustained winds out of the north-northeast at 19-23 mph and wind gusts in excess of 40 mph. Some of the strongest winds were observed at the weather station PG643 with a wind gust at 0750 hours at 39.7 mph, and at 0830 hours at 40.3 mph. The station KWVI also recorded a wind gusts of 41.4 mph at 0745 hours. All three weather stations are within 4 miles of the Incident Location. All three SmartMeters on the Rob Roy 2104 circuit downstream of Fuse 9975 lost power at 0745 hours.

Later that morning at 0915 hours, CAL FIRE dispatch notified a PG&E Dispatch and Scheduling Supervisor of the Freedom Fire and requested a PG&E response. The Dispatch and Scheduling Supervisor created a trouble report and dispatched a PG&E Utility Worker for 911 standby to the Incident Location. The utility worker arrived at 1000 hours and observed smoke near the Incident Location and requested a PG&E Troubleman for a dditional support. The utility worker could not directly access the Incident Location and was advised by the police department to standby at the intersection of Willow Heights and Freedom Boulevard.

At 1200 hours, the troubleman arrived at the CAL FIRE Incident Command Post at Larkin Valley Road, where he met with a PG&E Public Safety Specialist and a CAL FIRE Battalion Chief. The CAL FIRE Battalion Chief informed the troubleman of the Freedom Fire and requested PG&E support, which included assisting with clearing debris from the roadway in order to establish safe ingress to the Incident Location. While responding to the incident, the troubleman identified an unrelated wire down at Freedom Boulevard and Pleasant Valley Road and took actions to make the area safe. The troubleman originally thought the wire down was related to the Freedom Fire but later determined it to be unrelated.

At 1515 hours, the troubleman gained access to the Incident Location and reported his findings to the Distribution Control Center. After arriving on scene, he observed a fallen tree ("Incident Tree") and an overhead conductor down between two PG&E poles ("Pole #2" and "Pole #3"). The troubleman also observed an upstream fuse had opened, de-energizing three customers. The downed conductor was a 12kV single-phase one-way tap off the Rob Roy 2104 21kV Overhead Distribution Circuit. The troubleman observed burned vegetation in the area of the downed wire consistent with the location of the fire as reported to him by CAL FIRE. The troubleman made the scene safe by cutting out a portion of the downed conductor and creating a repair tag for a restoration crew. PG&E collected a portion of the downed conductor between Pole #2 and Pole #3 into evidence.

A PG&E Contract Restoration Crew arrived at the Incident Location on January 20, 2021 to repair the broken conductor and return the line to service. After repairs were completed, the crew closed Fuse 9975 at 1950 hours, restoring the three customers impacted by the incident

On January 20, 2020 PG&E Vegetation Management personnel, including a supervisor, went to the Incident Location to assess the Incident Tree. The vegetation management team observed the Incident Tree to be a 100-foot tall, 40-inch diameter live, healthy, and green Monterey Pine that failed at a forked top 20 feet above ground. The Incident Tree was located mid-span on the end span (between Poles #2 and #3) of the two-span tap. The base of the Incident Tree was situated about 25 to 30 feet to the side of the conductors. The

PG&E

PACIFIC GAS AND ELECTRIC COMPANY

ELECTRIC INCIDENT REPORT FORM

Vegetation Management team observed the wire down crossing the customer's driveway about 100 feet past the tree. The span where the Incident Tree failed was last inspected by Vegetation Management on March 25, 2020. The Incident Tree was not included in the PG&E Vegetation Management Database inventory because it had never required work to maintain regulatory compliance. The spans related to this incident were patrolled in accordance with GO165 in March 2020 with no abnormal conditions noted.

On January 22, 2021, CAL FIRE reported the Freedom Fire 100% contained at 37 acres. PG&E is not aware of any injuries, fatalities, or property damage caused by the fire.

PG&E reported this incident to the CPUC on January 20, 2021 at 2150 hours under the Media and Significant Public Interest criteria due to a CAL FIRE press release on January 20, 2021 referencing multiple fires including the Freedom Fire, and media inquiries about the Freedom Fire. (PG&E is currently reassessing its application of the Media and Significant Public Interest criteria to ensure that reported incidents meet the CPUC criteria to minimize over-reporting.)

PG&E is continuing its investigation into this incident. This information is preliminary, and all the times, customer numbers and measurements mentioned in this report are approximate. PG&E is fully cooperating and communicating with external agencies as required.

Attachments:

- Attachment 01 2018 GO165 patrol records CONF.pdf
- Attachment 02 2020 GO165 patrol records CONF.pdf
- Attachment 03_2014 GO165 inspection records_CONF.pdf
- Attachment 04 2019 GO165 in spection records CONF.pdf
- Attachment 05_Weather Station Data.pdf
- Attachment 06_2019 VM Inspection_CONF.pdf
- Attachment 07_2020 VM Inspection_CONF.pdf
- Attachment08 ILIS 21-0010951 CONF.pdf
- Attachment09 ATag 120447914 CONF.pdf
- Attachment 10 Photos.pdf
- Attachment 11 Incident Dia gram CONF.pdf
- Attachment 12 CALFIRE Press Release. 01-20-2021.pdf

1



| PGSE | | Pole Deta | ш керо | ort | <u>Print</u> | |
|--------------------|---------------------------|-----------------------|------------------|--------------------|------------------------------|--|
| | | Location | Informati | on | | |
| Equip ID: | 101798631 | Pole Num: | | Map Lat: | | |
| Map Name: | O1815 | Structure: | | Map Lng: | | |
| Owner: | r: PG&E owned pole | | | Show in Map Guide | | |
| Address: | 1\S\W OF | | | Show in Google Map | | |
| Cust Info: | 1ST 3/28 1:30 | | | | | |
| Access: | Readily Accessible | Readily Accessible | | | No environmental conditions | |
| Reason: | Customer: Locked | gate | | Alerts: | Locked Gate | |
| Immediate Respons | se Conditions: | Immediate Respon | se Comme | | | |
| No Immediate Respo | | | | | | |
| GIS Guid: | 069CF098F6EB4E | I 349BFD846B1D4714 | 30B | | | |
| <u> </u> | | Pole Asset | Informat | tion | | |
| Pole Type: | Wood | Location: | Private property | Attachments: | Distribution, Communications | |
| Surface: | Dirt | Walkway: | 0 | JP Num: | PT5103 | |
| Supplier: | Baxco | Mfr Year: | 1962 | Ins Year: | 1962 | |
| Species: | Douglas Fir | Class: | 5 | Height: | 35 | |
| Orig Treat: | Penta | Orig Circ: | 30 | Estimated Data: | <u> </u> | |
| Existing Rnfcmnt: | No Reinforcement | | | Solid Surface: | П | |
| - | | Inspecti | on Histor | 'V | _ | |
| COA_T3_125 | 1 of 2 | | | • | | |
| Project Status: | CLOSED | Contractor: | OSM | | | |
| Foreman: | | Current Circ: | 30.00 | Snow Load: | | |
| Pole Work Status: | Complete | Effective Circ: | 30.00 | Front Span Length: | | |
| Crew ID: | OSM325 | Encl Pkt Count: | | Back Span Length: | | |
| Visit Date: | 03/30/2017 | Exp Pkt Count: | | Full Span Count: | | |
| Work Report: | | Mch Dmg Count: | | Single Span Count: | | |
| Insptn Type: | Test and Treat | Steel Installed: | | Equip Count: | | |
| Excavation: | Partial Excavation | No Steel Rsn: | | Drop Count: | | |
| External Treat: | No Treat Visual Sound and | Banding Issue: | | Pole Load: | 0% | |
| Internal Test: | Pull | GL Shell Avg: | 99.00 | Wood Strength: | 100% | |
| Internal Trt: | Fume | BG Shell Avg: | 99.00 | Rmng Strength: | 0% | |
| Test Issues: | No Issues | Shell @66: | 0.00 | Result Status | Pass | |
| Trtmnt Issues: | No Issues | Shell @54: | 0.00 | Comments: | | |
| Pole Top Cndtn: | Fair | Shell @42: | 0.00 | 4 | | |
| Pole Bttm Cndtn: | Fair | Shell @26: | 0.00 | 4 | | |
| None COA_T2_034 | 2 of 2 | Shell @15: | 0.00 | | | |

| Project Status: | CLOSED | Contractor: | DAV | | |
|-------------------|-----------------------------------|------------------|-------|--------------------|------|
| Foreman: | | Current Circ: | 30.00 | Snow Load: | |
| Pole Work Status: | Complete | Effective Circ: | 30.00 | Front Span Length: | |
| Crew ID: | DAV010 | Encl Pkt Count: | | Back Span Length: | |
| Visit Date: | 02/01/2010 | Exp Pkt Count: | | Full Span Count: | |
| Work Report: | P064844 | Mch Dmg Count: | | Single Span Count: | |
| Insptn Type: | Test and Treat | Steel Installed: | | Equip Count: | |
| Excavation: | Partial Excavation | No Steel Rsn: | | Drop Count: | |
| External Treat: | No Treat | Banding Issue: | | Pole Load: | 0% |
| Internal Test: | Visual Sound and Bore | GL Shell Avg: | 99.00 | Wood Strength: | 100% |
| Internal Trt: | Fume | BG Shell Avg: | 99.00 | Rmng Strength: | 0% |
| Test Issues: | AG Obstruction | Shell @66: | 0.00 | Result Status | Pass |
| Trtmnt Issues: | No Chemicals: Customer request | Shell @54: | 0.00 | Comments: | |
| Pole Top Cndtn: | Fair | Shell @42: | 0.00 | | |
| Pole Bttm Cndtn: | Fair | Shell @26: | 0.00 | | |
| None | | Shell @15: | 0.00 | | |

| Pole Detail Report | | | | | | |
|---------------------|---------------------------|-------------------|------------------|--------------------|-----------------------------|--|
| | | Location In | formation | | | |
| Equip ID: | 103828764 | Pole Num: | | Map Lat: | | |
| Map Name: | O1819 | Structure: | | Map Lng: | | |
| Owner: | PG&E owned pole | | | Show in | Map Guide | |
| Address: | | | | Show in Google Map | | |
| Cust Info: | | | | | | |
| Access: | Readily Accessible | | | Environmental: | No environmental conditions | |
| Reason: | Customer: Locked (| gate | | Alerts: | Locked Gate | |
| Immediate Respons | e Conditions: | Immediate Respons | e Comments | : | | |
| No Immediate Respon | nse Conditions | | | | | |
| GIS Guid: | 5BB2E13B69B9420 | C5B5353E36B9426C6 | 65 | | | |
| | | Pole Asset I | nformation | | | |
| Pole Type: | Wood | Location: | Private property | Attachments: | Distribution | |
| Surface: | Dirt | Walkway: | 0 | JP Num: | | |
| Supplier: | McFarland Cascade Co | Mfr Year: | 2008 | Ins Year: | 2008 | |
| Species: | Douglas Fir | Class: | 4 | Height: | 45 | |
| Orig Treat: | Penta in Petroleum | Orig Circ: | 38 | Estimated Data: | | |
| Existing Rnfcmnt: | No Reinforcement | | 1 | Solid Surface: | | |
| | 1 | Inspection | n History | 1 | | |
| COA T3 125 | 1 of 1 | | | | | |
| Project Status: | CLOSED | Contractor: | OSM | | | |
| Foreman: | | Current Circ: | 0.00 | Snow Load: | | |
| Pole Work Status: | Complete | Effective Circ: | 0.00 | Front Span Length: | | |
| Crew ID: | OSM325 | Encl Pkt Count: | | Back Span Length: | | |
| Visit Date: | 03/30/2017 | Exp Pkt Count: | | Full Span Count: | | |
| Work Report: | | Mch Dmg Count: | | Single Span Count: | | |
| Insptn Type: | Test and Treat | Steel Installed: | | Equip Count: | | |
| Excavation: | No Excavation | No Steel Rsn: | | Drop Count: | | |
| External Treat: | No Treat | Banding Issue: | | Pole Load: | 0% | |
| Internal Test: | Visual Inspection Only | GL Shell Avg: | 0.00 | Wood Strength: | 100% | |
| Internal Trt: | No Treat | BG Shell Avg: | 0.00 | Rmng Strength: | 0% | |
| Test Issues: | No Issues | Shell @66: | 0.00 | Result Status | Pass | |
| Trtmnt Issues: | No Issues | Shell @54: | 0.00 | Comments: | | |
| Pole Top Cndtn: | Fair | Shell @42: | 0.00 | | | |
| Pole Bttm Cndtn: | Fair | Shell @26: | 0.00 | | | |
| None | | Shell @15: | 0.00 | | | |

VEGETATION MANAGEMENT INCIDENT REPORT FORM

* Use for VM investigations to report the details of all vegetation-related fires.

* DO NOT USE FOR ROUTINE OUTAGE INVESTIGATION

* CONFIDENTIAL REPORT: FOR USE BY PG&E ATTORNEYS ONLY

| CE | NICD | AL | INIEO | DRAA | TION |
|------|------|----|-------|---------------|------|
| . GE | NER | AL | IIVEO | DIVI <i>P</i> | |

| Type of Incident FIRE: Significant X Non-Significant CPUC EIR X LE-38 | | | | | |
|--|---------------------------------|--------------------------|---|---------------------|--|
| Report Numbers | ILIS Outage # 21-0010951 | <i>EIR #</i> EI21 | 0119B Law-Claim | ns# | |
| | | | | | |
| Date & Time Repo | rted: | | Date & Time of Incid | dent: | |
| Date <u>1/20/21</u> Ti | me <u>1300</u> | | <u>01/19/21 15:18</u> | | |
| VM Investigator name: | | | Telephone number: | | |
| Company name: P | | | | | |
| GPS coordinates: | | | VM Division: Centra | | |
| Fire agency: CAL F | | Fire agency name: (same) | | | |
| Fire responsibility area: LRA SRA X FRA | | | | | |
| Customer name: | | | Telephone number: | | |
| Customer address | | | Location of Incident | | |
| | Aptos, Santa Cruz County | | Nearest cross street | | |
| | 3692104, ROB ROY-2104 | | SSD: 9975 | Voltage: 12kV | |
| Primary X Second | | | Tree wire present | | |
| | | | Tree wire present | | |
| Construction type: Single-phase crossarm | | | | | |
| 2. TREE INFORMA | ATION | | | ^ | |
| L. HILL HAI OHINA | 111014 | | | | |
| Incident location for | ound: X YES NO | | | 1 | |
| Tree species: Mon | | DBH: 38in | Height: 100ft | | |
| Tree condition: De | | | failure X Partial failure | | |
| | iductor clearance: 25-30ft | | ribed clearance: NA | | |
| Date last inspected | | | n company: <u>Davey Resource Group</u> | | |
| Dater last worked: | | | any: <u>Davey Tree Sur</u> | | |
| | ection: Routine PI FCST 03/21 | Work requ | | dei t | |
| T latined flext inspe | HOURING THE OF USINE | Work requ | est w. IVA | | |
| 3. VM INVESTIGA | ATION (Attach copies of app | ronriate d | ocumentation) | | |
| J. VIVI IIV LOTIGA | Thore (Attach copies of app | oropiiate u | ocumentation, | | |
| Describe incident i | n detail (Attach sketch/photos/ | man). | | i | |
| Was evidence secu | | | vna of avidance secu | rad /branch_photos | |
| | or Fire agency | etc) photo | type of evidence secured (branch, photos, | | |
| Fire size: 40 acres | | | | round X Air | |
| Fire size: 40 acres Fire-suppression operations: Ground X Air LIMIT DESCRIPTION TO FACTS. DO NOT SPECULTATE. | | | | | |
| | LIMIT DESCRIPTION TO F | ACIS. DO | NOT SPECULIATE | . | |
| Describe vegetation | -related incident and/or outage | · Extreme h | nigh wind event | | |
| Document togotation | rolatea molaent ana, et eatage | . <u> </u> | ngn wina ovona | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Describe vegetation | condition: Observed live, healt | thy, green N | Nonterey Pine failed a | <u>t forked top</u> | |
| approximately 18ft a | above ground. Tree located abou | <u>ut mid span</u> | on end span of two- | <u>span tap.</u> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rev. 05/01/2014 Page 1 of 2

| 3. VM INVESTIGATION (continued) | | | | | |
|---|--|--|--|--|--|
| Identify any Property Damage or Injury: Observed value (approximately 100ft past tree). | wire down on end span at driveway crossing | | | | |
| | | | | | |
| | | | | | |
| 4. SUBJECT POLE INFORMATION (PRC 4292 e | avents) | | | | |
| T. GODOLOT I OLE IIII CHIMATION (I IIO 1222 C | vents | | | | |
| VM pole number: Subject pole tag sh | - 1ape: | | | | |
| Date last cleared: | VC company: | | | | |
| Does pole appear to be in compliance? | Non-exempt equipment type: | | | | |
| Comments: VMA/VMN? | | | | | |
| 5. SUBJECT POLE INFORMATION (Joint Pole | aventa) | | | | |
| 5. SUBJECT FOLE HAI ONIVIATION (JOHN TOLE) | events | | | | |
| Joint pole: Yes No X Joint pole number: | | | | | |
| 6. THIRD PARTY INFORMATION | | | | | |
| U. TIME PARTY IN CHARTON | | | | | |
| Third party: Caused Injury | | | | | |
| Third party name: | Telephone number: () | | | | |
| Third party address: | <u> </u> | | | | |
| Third party response: | | | | | |
| Mitness name: | | | | | |
| Witness name: Witness address: | Telephone number: () | | | | |
| Witness comments: | Telephone number. \ | | | | |
| | | | | | |
| 7 VM CONTRACTOR INVOLVED EVENITS | | | | | |
| 7. VM CONTRACTOR INVOLVED EVENTS | | | | | |
| Was a VM contractor involved in this incident? | PG&E VM Contractor Caused? | | | | |
| Contractor name: | Contract employee name: | | | | |
| Contractor response: | | | | | |
| | | | | | |
| 8. ADDITIONAL INFORMATION | | | | | |
| Case number: (Keep copies of cases receive | ed during investigation.) | | | | |
| EC Tag(s) #: | LE 38 Number: | | | | |
| LE 38 issued? | Number: | | | | |
| Citation issued? | Contact Information: | | | | |
| Comments: | | | | | |
| | | | | | |

Rev. 05/01/2014 Page 2 of 2

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

SUMMARY

The purpose of the Distribution Routine Patrol Procedure (DRPP) is to:

- Detail the steps and requirements for routine inspection of vegetation around PG&E electric distribution lines, including distribution underbuild lines.
- Maintain the safe and reliable operation of distribution and underbuild facilities.

Level of Use: Informational Use

TARGET AUDIENCE

- Vegetation Management Governance and Support
- Vegetation Management Operations
- VM Contractors: Pre-Inspector (PI), Tree Contractor (TC), Quality Control (QC), Quality Assurance (QA), Vegetation Control (VC)

SAFETY

PG&E or contract worker must review and follow all applicable safety standards and procedures before performing work, which includes review of tailboards and wearing appropriate Personal Protective Equipment for the job.

BEFORE YOU START

- Ensure familiarization with entire procedure including the Definitions Section of this document
- 2. Read Distribution Vegetation Management Standard (DVMS)
- 3. Read Transmission Vegetation Management Standard (TVMS)
- 4. Read Transmission Routine (Non-Orchard) Patrol Procedure (TRPP)
- 5. Read Transmission and Distribution Vegetation Hazard Notification Procedure

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

TABLE OF CONTENTS

PROCEDURE STEPS

1 Distribution Patrol Practices

- 1.1 Pre-Inspection and tree work is performed in accordance with PI and TC Contract Specifications, Distribution Vegetation Management Standard (DVMS), practices described in this document, and other applicable standards and procedures.
- 1.2 PI INSPECTS lines once per cycle, generally November 15th of the current year November 14th of the following year.
 - 1. IF VM employee or contractor identifies any of the following conditions:
 - Poses a hazard to the public or utility worker
 - Negatively impacts service reliability or asset life of PG&E facilities
 - Adversely impacts the ability to safely operate or inspect PG&E's facilities
 - Creates a condition that causes PG&E's facilities to be out of compliance with California Public Utilities Commission (CPUC) General Order (G.O.) 95 or 128

THEN NOTIFY the area Vegetation Program Manager (VPM) and Senior Consulting Utility Forester (SCUF).

2. IF the condition only involves PG&E facilities or poses an immediate risk,

THEN FOLLOW the Reporting Abnormal Field Conditions Procedure.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

3. IF the condition is created by a 3rd party Utility (electric, communication, etc.),

THEN FOLLOW the Notification of Conditions to Third-Party Utility Procedure, TD 2014P-01.

4. IF the 3rd party is a non-utility,

THEN FOLLOW the Notification of Conditions to Non-Utility Third-Party Procedure, TD 2015P-01.

- 5. Primary Lines:
 - a. IF a tree is evaluated as having potential to encroach within minimum distances required to maintain compliance with G.O. 95, Rule 35, or PRC 4293 (see Appendix A, Minimum Distance Requirements (MDRs),

OR may fall into or impact primary conductors before next scheduled prune,

THEN LIST tree in the handheld device for one of the following:

- Prune
- Remove
- Facility Protect (FP)
- 6. Secondary Lines:
 - a. IF a tree shows evidence of strain or abrasion on secondary lines,

OR may fall into or otherwise impact secondary conductors,

THEN RECOMMEND one of the following:

- Prune
- Remove
- Facility Protect (FP)
- Reconstruction, as advised by Maintenance and Construction (M&C)

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

NOTE

Strain or abrasion on a conductor is present when contact with vegetation significantly compromises the structural integrity of distribution supply facilities. Contact between vegetation and conductors in and of itself does not constitute non-conformance with the rule.

7. Distribution Underbuild:

a. Distribution PI INSPECTS distribution underbuild spans per requirements for transmission, primary and secondary, as described in this document and the Transmission Routine (Non-Orchard) Patrol Procedure (TRPP).

NOTE

Transmission PI is responsible for listing tree work on transmission spans that begin with underbuild and then diverge.

1.3 Inspection Area

- Distribution PI INSPECTS:
 - a. All vegetation with potential to grow, sway, or fall into PG&E's electric distribution and distribution underbuild conductors.
 - b. Distribution underbuild for vegetation that could fall into transmission structures, guys, or poles, regardless of Right-of-Way (ROW) or easement width.
 - c. Areas outside fenced areas, including portions of distribution line span crossing substation fence at substations, generation stations, or switchyards in inspection area.
 - IF distribution PI identifies vegetation inside substation, generation substation, or switchyard that requires tree work,

THEN NOTIFY VPM.

1.4 Idle Lines

1. IF idle or de-energized conductor is main line,

THEN distribution PI will treat de-energized conductor as if energized,

AND PATROL and PRUNE to maintain compliance.

2. IF circuit map identifies tap line as idle,

THEN line is **NOT** patrolled or pruned.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

3. IF tap line is not identified as idle on circuit map,

AND is de-energized by discontinuation of conductor (jumpers either removed, disconnected, or entire span is removed),

THEN line is NOT patrolled or pruned,

AND PI will COMPLETE Idle Facilities Investigation Work form (Idle Facilities Tag),

AND FORWARD Idle Facilities Tag to VPM.

4. IF an Idle Facility Tag does not already exist,

THEN VPM will EMAIL Idle Facilities Tag to Public Safety & Regulatory (PS&R) for input to SAP,

AND PS&R will NOTIFY VM if line is only seasonally or temporarily idle.

5. IF an Idle Facilities Tag already exists for removal of idle facility,

THEN line will NOT be patrolled or pruned,

AND PI will FILE copy of Idle Facilities Tag in the active circuit folder for reference during next patrol.

6. IF no Idle Facilities Tag exists for removing an idle facility,

THEN VPM will FORWARD the completed Idle Facilities Tag to M&C Compliance Supervisor,

AND line is NOT patrolled or pruned,

AND PI will FILE copy of submitted Idle Facilities Tag in the active circuit folder.

- 1.5 Non-PG&E Owned Distribution Lines
 - 1. IF during patrol, PI identifies Private Facilities (PF),

THEN NOTIFY VPM,

AND FOLLOW the requirements of the Private Facilities Procedure (Dec. 2015).

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

2 Distribution Patrol Prescriptions

2.1 Hazard Notification (HN)

NOTE

A Hazard Notification occurs when a vegetation condition affecting distribution or transmission lines has the potential to become an imminent threat. This condition could be the result of vegetation encroaching on the MDR or may arise from outside the ROW due to potential tree or limb failure.

1. IF PI identifies a HN tree,

THEN FOLLOW the requirements of the Transmission and Distribution Vegetation Hazard Notification Procedure.

- 2.2 General Practice All Primary, Secondary, and Distribution Underbuild Lines
 - 1. PI will:
 - a. PRESCRIBE pruning In accordance with the most current ISA, Best Management Practices Utility Pruning of Trees Special Companion Publication to the ANSI 300 Part 1 and Part 7 (IVM).
 - b. CONSIDER minimum clearances per MDR (Appendix A) sufficient to maintain mandated clearances under all foreseeable conditions of:
 - Tree Growth
 - Wind
 - Weather
 - Line loading
 - Line sag
 - Line blow-out
 - Tree sway
 - Snow Loading
 - c. LIST hazard trees for removal or facility protect.
 - d. PRESCRIBE stump treatment when removing re-sprouting species, unless specifically denied by the property owner, land manager, or regulations.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

2.3 Priority Work Codes

1. IF PI identifies a tree for routine pruning or removal work that may not maintain compliance with MDR (Section 2.3.4),

OR may be in contact with Tree Wire before TC would normally complete work,

THEN ASSIGN priority code "Accelerate",

AND in consultation with VPM, CREATE Tag for issue early to TC.

NOTE

Additional management and follow through to completion on accelerate trees may be necessary to mitigate risk and ensure timely completion. PI should be aware of TC schedule and know approximately how many weeks until the work will be completed.

2. IF PI identifies tree for routine pruning or removal work that is currently in compliance with the MDR,

AND tree will maintain compliance until TC is scheduled to complete work,

THEN ASSIGN priority code "Routine".

NOTE

For priority code determination, trees at locations with Tree Wire that are not in contact with tree wire can be considered in compliance with MDR. See Major Woody Stem Exemption Procedure to identify tree wire.

- 3. IF PI identifies tree for routine pruning or removal on secondary conductors,
 - THEN ASSIGN priority code "Routine".
- 4. Facility Protect (FP)
 - a. IF PI identifies FP tree that has potential to fail before TC is scheduled to complete work,
 - THEN FOLLOW requirements per Transmission & Distribution Vegetation Hazard Notification Procedure.
 - b. IF PI identifies FP tree that is <u>not</u> likely fail before TC can complete work,
 - THEN ASSIGN priority code "Routine".

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

2.4 Pruning

- 1. PI PRESCRIBES clearance, sufficient to obtain 2 3 years clearance and no less than one year before next prune.
 - a. IF clearance to maintain one year compliance is not attainable based on field conditions and not property owner refusal,

THEN FOLLOW the instructions in Section 2.8 of this document, Bi-Annuals.

b. IF tree is being worked for current year compliance,

THEN CLEAR all overhanging branches to minimum of 15 feet, unless branches qualify for Major Woody Stem exemption.

2.5 Removal

1. IF PI identifies tree that will not hold compliance by pruning for one year minimum,

OR required clearance would leave the tree less than 4.5 feet tall,

THEN PI should PRESCRIBE removal, regardless of Diameter at Breast Height (DBH).

2. IF tree DBH is less than 12 inches.

THEN PI should PRESCRIBE removal rather than prune.

3. IF tree DBH is equal to or greater than 12 inches and less than 24 inches,

AND it is not possible to obtain 2-year clearance through pruning,

THEN PI should PRESCRIBE removal rather than prune.

4. IF the DBH is equal to or greater than 24 inches,

AND tree is unlikely to encroach for period greater than one year,

THEN PRUNE tree rather than remove.

2.6 Hazard Trees / Facility Protection Trees

1. IF PI identifies trees or portions of trees that are dead, shows signs of disease, decay or ground or root disturbance,

AND may fall into or otherwise impact primary or secondary conductors,

THEN PRESCRIBE work to make tree Facility Safe per Facility Protect and Work Difficulty Classification Procedure.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

NOTE

This requirement does not apply to Rule 16 secondary line serving a single customer, typically a service drop.

2.7 Refusal

1. IF property owners, land managers, Federal, State or local agency policies or site conditions restrict, constrain, or otherwise interfere with the ability to meet the requirements of this DRPP,

THEN PI will FOLLOW the requirements of the Distribution Vegetation Refusal Procedure.

2.8 Bi-annuals

NOTE

The purpose of the bi-annual cycle code is to effectively address fast growing trees that may not hold compliance for a full cycle. The intent is not simply to identify and perform bi-annual work, but to find the best way to manage these trees.

1. IF PI identifies a potential bi-annual tree on a routine OR bi-annual patrol,

THEN CONSULT with the PI Supervisor to consider options described in Alternatives to Manage and Reduce Bi-Annuals document (Appendix B).

2. IF clearance to maintain one-year compliance is not attainable,

AND no other alternatives are available,

THEN ASSIGN bi-annual cycle code.

3. IF tree cannot be kept compliant even with bi-annual work,

THEN NOTIFY VPM.

- 4. Following completion of circuit, the Database Manager will:
 - a. PRINT list of all Bi-annuals listed for PI Supervisor to evaluate and enter written comments.
 - b. FORWARD list to VPM per VM Database Monitoring Procedure.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Bi-Annual Patrol

NOTE

The goal of a bi-annual patrol is to quickly evaluate trees which may become compliance issues before next routine cycle and prescribe additional work if needed.

- a. PI REVIEWS Alternatives to Manage and Reduce Bi-Annuals before prescribing work (Appendix B).
- b. Supervisor and PI MEET to set goals for unit reduction prior to start of a biannual patrol.
- 6. Planning in Project Management Database (PMD)
 - a. Depending on the number of bi-annuals in a division, VPM CREATES additional projects to account for all bi-annual trees.
 - b. VPM will:
 - (1) ADD projects to PMD to track bi-annual trees.
 - (2) CREATE multiple bi-annual projects depending on local designations, including district and contractor.

7. Pre-Loaded Data

NOTE

A bi-annual preload file contains only addresses that have at least one tree set to "bi-annual" as the cycle.

- a. PI will:
 - (1) CONDUCT bi-annual patrols using PMD pre-loaded data.
 - (2) CREATE list of all circuits in quarter in which the patrol is performed.
 - (3) MOVE data that is not part of the pre-load to history.



Utility Procedure: TD-7102P-01 Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)



CAUTION

DO NOT change the routing of the locations during bi-annual patrol as they do not have all the data for that source side, or source side routing number.

DO NOT "add" locations that are not in pre-load as this can cause duplicate locations in inventory.

CHANGE information only when appropriate as same data is part of normal routine preload, including changing a tree from bi-annual back to routine cycle if tree has maintained compliance and will continue to hold until next routine cycle.

- b. PI will make every effort to notify each customer personally to discuss removals.
- C. IF during bi-annual patrol PI identifies additional trees which will not hold compliance until the next routine cycle.

THEN ENTER tree as "Tag", with appropriate handheld code.

NOTE

Because of their unpredictable growth and proximity to the lines, Major Woody Stems with epicormic sprouting should not be managed as bi-annuals.

- d. Upon work generation, Database Manager ASSIGNS PMD project number to each TC Work Request associated with that bi-annual patrol.
- TC COMPLETES tree work within 30-day maintenance window. e.



CAUTION

DO NOT ADD trees on a bi-annual cycle unless approved by SCUF or VPM.

Stump Re-Sprouts 2.9

- 1. PI will:
 - VERIFY stump death of past removals from previous patrols for all re-sprouting a. species during current routine patrol.
 - LIST all re-sprouting stumps for tree re-work in VMD using trim code "TRT" b. when following conditions are met:

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

- Stump is or will become a compliance issue in future, regardless of time frame.
- Herbicide treatment was prescribed and customer, agency, or local ordinances approve the herbicide application.
- Herbicide will not translocate to other living vegetation.
- Re-sprouts are not root sprouts.
- c. DELETE tree record from handheld when stump is verified as dead.
- d. NOTIFY customer of re-treat in person or with door card.
- e. UPDATE VMD records and add comments when TC notifies PI of locations where herbicide treatments cannot be applied.

2. TC will:

- a. RE-TREAT and kill any re-sprouts that have been prescribed trim code "TRT" during routine activities.
- b. VERIFY herbicide treatments result in the death of stump.
- c. NOTIFY PI on same working day when re-sprouts have been prescribed for retreat work and the stump cannot be treated.
 - (1) Enter NO WORK on the Work Request.
- d. PRUNE stump re-sprout unit when unit cannot be re-treated and will be non-compliant before next annual cycle, and documents and invoices the unit as an "add".

2.10 Palms

- 1. PI will:
 - a. REVIEW VMD pre-patrol report prior to patrolling circuits to identify potential palm tree problems on circuit.
 - IF PI identifies a palm in the field that routine pruning will not maintain compliance for at least one cycle,

THEN PRESCRIBE tree removal, or removal of "heart" of palm.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

IF palm is in contact with line(s),

THEN FOLLOW Transmission & Distribution Hazard Notification Procedure,

AND CONTACT property owner to discuss removing palm.

IF customer is not present at time of visit,

THEN LEAVE the Palm Tree Alert door card with name and contact number,

AND contact PG&E clerk to obtain customer's phone number to discuss palm removal,

AND PI NOTIFIES VPM of each Palm identified in the field that may require the Palm Letter.

NOTE

Palm Letters are only used when removal of tree or "heart" of the palm is required to maintain compliance.

2. VPM will:

- a. CONDUCT site visit, when appropriate, to verify condition of palm(s) after receiving information from PI.
 - IF VPM or PI is unable to contact property owner,

THEN VPM will make an additional attempt to NOTIFY customer that their palm needs removal.

• IF customer responds and refuses to remove the palm,

THEN VPM will FOLLOW steps described in the Distribution Vegetation Refusal Procedure.

PI will:

- a. IDENTIFIY palm species code (Queen, Fan, or Date).
- b. REFER to Strategies to Manage and Reduce Palms (Appendix C) if tree removal is not feasible.
- c. RECOMMEND remediation based on tree and site conditions.
- d. REVIEW VMD palm work history.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

- e. FORWARD information on new palm plantings under PG&E facilities to VPM.
 - IF there is no response after repeated attempts to contact property owner,

THEN VM Palm Letter is SIGNED by VPM and SENT to property owner.

- f. The Palm Letter:
 - (1) LISTS all Palm Letters sent to property owners in the Issue Tracking System (ITS) with record Type = Non Refusal, Subtype: = Palm Letter.
 - (2) INDICATES palm species in Comment section.
 - (3) DESCRIBES conditions and any communications with property owner in the ITS Comments section.
 - (4) RECORDS the date pruning is scheduled to occur in the ITS Followup Section.
 - IF the property owner responds and refuses to remove the palm,

THEN as appropriate, FOLLOW steps outlined in the Distribution Vegetation Refusal Procedure.

- g. PROVIDE photo documentation of palm condition, if necessary.
- VPM will:
 - a. DECIDE whether any outside agencies need be notified.
 - IF palm is on a section of line which appears to be Rule 16,

THEN land rights must be requested before Palm Letter is sent.

 IF Palm Letter is sent and customer does not respond within 10 calendar days,

THEN TC will PROCEED with the tree work.

- 5. Database Manager will:
 - a. CHANGE the trim type to Top in VMD.
 - b. ADD prescribed clearance in the Comment section, regardless of where the heart of the palm is located.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

- c. PROVIDE TC with copies of the Work Request and the following:
 - Removal Form, with detailed tree work and debris removal prescriptions, signed by VPM
 - Palm Letter
 - Land Rights Letter, if land rights were requested

2.11 Orchards

- Orchard PI will:
 - a. INSPECT all orchards per requirements for transmission, primary and secondary, as described in this document and Transmission Routine (Non-Orchard) Patrol Procedure (TRPP).
 - b. FOLLOW Orchard Best Management Practices (Appendix D).

END of Instructions

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

DEFINITIONS

Distribution Underbuild – The presence of electric distribution lines located directly under and parallel with the transmission lines, and attached to the same pole or structure.

Easement (or Right of Way) – For the purposes of this Standard, the as-built condition of a geographically described strip of land upon which PG&E's electric facilities are constructed, operated and maintained. "Easement" refers to the legal description of that corridor.

Hazard Condition – A vegetation condition affecting transmission or distribution lines which does not pose an imminent threat, but where the condition has the potential to become an imminent threat and is at or encroaching the PG&E clearance distance.

Hazard Trees - Any tree whose height is at or approaching the PG&E Minimum Clearance Requirements (Appendix A).

 All lines: Trees that are dead, show signs of disease, decay or ground or root disturbance, which may fall into or otherwise impact the conductors, towers or guy wires before the next inspection cycle.

Minimum Clearance Requirement – PG&E defined minimum clearance designed to meet or exceed all applicable regulatory requirements at all times.

Orchard – Any commercial-producing orchard. Only includes trees that are part of the production crop.

Orchard Tree – Any commercial-producing fruit or nut tree that is part of a production crop.

Private Facilities (PF): Includes all Private Owned Lines (POL), Primary Metered / Primary Service (PM / PS), Private Owned Transmission Lines (POTL).

- Private Owned Line (POL): Private lines are defined as distribution main or line
 extension facilities, or service facilities that are not owned, operated and maintained by
 PG&E.
- Primary Metered / Primary Service (PM / PS): All pole-top primary metering
 installations with Primary Service are considered Primary Metered. Facilities beyond
 the interconnection point should be considered customer owned.
- Private Owned Transmission Lines (POTL): All privately owned line connected to PG&E facilities designated on GIS / ETGIS or other application as Non-PG&E Owned energized at 60KV or greater connected to PG&E facilities

Right-of-Way – See Easement.

Refusal – A situation that occurs when a customer / property owner refuses to allow PG&E to perform pre-inspection work or complete 100% of the work prescribed.

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Tap Line – Section of overhead primary line that deviates off of the mainline of a distribution circuit. Tap Line may be a hard tap (non-fused) or a fused tap.

IMPLEMENTATION RESPONSIBILITIES

The Vegetation Management Document Owner is responsible for the rollout and communication of this Standard as well as the periodic review of this document. Vegetation Management Operations is responsible for the distribution of this Standard by providing training and conducting regular reviews.

GOVERNING DOCUMENT

Distribution Vegetation Management Standard

Transmission Vegetation Management Standard

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

General Order 95, Rule 35

General Order 95, Rule 18, Section B

Public Resource Code (PRC) 4292

Public Resource Code (PRC) 4293

ANSI/ISO/ASQC Q10011 Guidelines for Auditing Quality Systems

REFERENCE DOCUMENTS

Database Monitoring Procedure

Distribution Refusal Procedure

Mapping Procedure

Private Facilities Procedure (Dec. 2015)

Project Management Database (PMD) Standardization Guidelines (Dec. 2015)

Transmission & Distribution Vegetation Hazard Notification Procedure

Transmission Routine (Non-Orchard) Patrol Procedure (TRPP)

Notification of Conditions to Third-Party Utility Procedure, TD-2014P-01

Notification of Conditions to Non-Utility Third-Party Procedure, TD- 2015P-01

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

APPENDICES

Appendix A: Minimum Distance Requirements

Appendix B: Alternatives to Manage and Reduce Bi-Annuals

Appendix C: Strategies to Manage and Reduce Palms

Appendix D: Orchard Best Management Practices

ATTACHMENTS

NA

DOCUMENT RECISION

NA

DOCUMENT APPROVER

Vegetation Management Operations Manager - North

Vegetation Management Operations Manager - South

DOCUMENT OWNER

Vegetation Program Manager

DOCUMENT CONTACT

Vegetation Program Manager

REVISION NOTES

| Where? | What Changed? | |
|-----------------|---|--|
| Entire document | This is a new procedure, formatted to meet GDM requirements. | |
| Entire document | Renumbered per the GDM Numbering Procedure in preparation for Documentum migration. | |

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Appendix A: Minimum Distance Requirements

MINIMUM DISTANCE REQUIREMENTS

| CPUC Rule 35 Applicable at all times (1) (feet) | Santa Barbara County CPUC Rule 35, Table 1, Case 14 (hhh) Applicable in extreme and very high fire threat zones in Southern California at all times (1) (feet) | PRC 4293 Applicable in SRA during fire season (1) (feet) | Potential Line Sag (2) (feet) |
|--|---|---|-------------------------------------|
| 1.5' | 4' | 4' | 1 - 4' |

- 1) Vegetation shall not encroach within the minimum distance at any time between inspection and one year or next scheduled tree work cycle.
- 2) Depending on span length, facility construction and conductor material, potential sag and sway can range from 1' at quarter-span to 4' at mid-span.

Utility Procedure: TD-7102P-01
Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Appendix B: Alternatives to Manage and Reduce Bi-Annuals

ALTERNATIVES TO MANAGE & REDUCE BI-ANNUALS

PURPOSE: The purpose of the Bi-annual Cycle code is to effectively address fast growing trees that may not hold compliance for a full trim cycle. The intent is not simply to identify and perform bi-annual trims, but to find the best way to manage such trees using all the available tools listed below. These alternatives include increasing line clearance, changing the trim type, pursuing removal, applying tree growth regulators, or seeking engineering solutions. If it is found that a tree cannot be kept in compliance even with bi-annual pruning, as with palms, the VPM shall be notified.

DEFINITION: A bi-annual is a tree that should be inspected between routine inspections so as to ensure compliance with applicable laws and regulations. However, the following management alternatives must be considered before listing a tree as a bi-annual:

| ALTERNATIVE | CONSIDERATIONS | | |
|---|--|--|--|
| Refusal | IF property owners, land managers, Federal, State or local agency policies or site conditions restrict, constrain, or otherwise interfere with the ability to meet the requirements of this DRPP, then follow the Distribution Vegetation Refusal Procedure. | | |
| Increase Line Clearance Prescriptions | Additional notification is necessary if larger wood needs to be taken from the tree to maintain compliance and meet ANSI A300 standards. Set realistic expectations with the customer <u>but do not negotiate clearance distances</u>. Determine whether previous clearance distance maintained compliance for at least one (1) trim cycle. May need to check last trim date in VMD. Increase clearance to match site conditions and species' specific growth rates. | | |
| Change Trim Type | Determine whether the previous trim type contributed to the tree not maintaining compliance for at least one (1) trim cycle. Prescribe directional pruning versus topping (if possible). | | |
| Seek Removal | Is this an appropriate removal? Consider the following: Cost-effectiveness Tree species, DBH, and height Reliability and facility protection Is the trunk positioned below or within close proximity to the conductors? Will replacement tree(s) facilitate successful removal negotiations with the customer? Use herbicides on removals for control of re-sprouting species unless directed otherwise by the customer. Do the land rights give PG&E the authority to remove the tree in question? | | |
| Apply Tree Growth Regulators | TGRs can help PG&E more cost-effectively manage fast growing species, manage more trees annually, extend trim cycles, increase reliability, and reduce biomass as it relates to trimming and cleanup time. Do not discuss TGRs with the customer. TGR notification requires specialized training. Consult your SCUF or VPM to find out more about your area-specific TGR management plan. | | |

Utility Procedure: TD-7102P-01 Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

| Seek Engineering & Line Construction Solutions | Do not discuss engineering alternatives with the customer (VPM/SCUF only). The best time to address the adverse effects of trees on distribution lines is at the time of initial design. Notify the SCUF of potential infrastructure alterations including new line construction, upgrades to the electrical system, and road widening or relocation projects. Consider overhead construction alternatives including: Alley or wing arm construction Compact construction Covered overhead primary (i.e. "Ray Chem") Squirrel guard on tree (use "side wrap" code in hand held) Spacer ("Hendrix") system (combination of covered wire and compact construction) Aerial cable Only in exceptional cases can the cost of converting an existing system to an alternative construction type be justified on the basis of reliability, avoided cost of future tree maintenance, or infrastructure repair. |
|---|--|
|---|--|

Utility Procedure: TD-7102P-01
Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Appendix C: Strategies to Manage and Reduce Palms

STRATEGIES TO MANAGE AND REDUCE PALMS

PURPOSE: The purpose of this document is to provide additional strategies for managing palms, including removal, strategic pruning, bi-annual patrols, transplantation, and engineering solutions.

 Note: any additional costs associated with transplantation, re-engineering, and/or line re-construction will be at the property owner's expense.

| ALTERNATIVE | CONSIDERATIONS | | |
|---------------|--|--|--|
| Removal | Is this an appropriate removal? Consider the following: Is palm positioned below the conductors? Will the tree be in violation before the next cycle? DBH and height Reliability & facility protection Is the tree protected under any municipal regulations? Is it a City tree? Will replacement tree(s) facilitate successful removal negotiations with the customer? Vouchers may be provided at VPM discretion. VPM may consider additional T&M for wood removal, in order to secure removal permission from reluctant customers. Use of 3rd party contractor list can be considered for wood removal if approved by VPM. Customer can provide dumpster for wood. Do the land rights give PG&E the authority to remove the tree in question? | | |
| Prune | To be used only for palms to the side that will grow past the lines. Do not negotiate pruning prescriptions with the customer. Determine whether previous clearance distance maintained compliance for at least one (1) trim cycle. Increasing the radial clearance may not be the best way to maximize the time the tree will stay in compliance. Palms grow quickly in response to trimming. Prescribe a side trim or slope cut, and make notes to cut upper fronds that will droop down into violation in the future. For feather palms, consider removing partial fronds when side pruning to slow the downward movement of upper fronds. Palms maintain a certain number of fronds at any one time. As you remove living fronds, new frond growth is encouraged. Not removing the whole frond may actually provide a longer cycle before next trim is required. Inspection during subsequent cycles, including bi-annual patrols, can help determine whether trimming strategies are maintaining compliance. If not, consider alternatives such as removal. | | |
| Work Tracking | Utilize the Future Palm letter for customers with palms that will require removal in the future. Palm letters by themselves do not ensure that one full year of clearance will be obtained. Individual palms or locations may fall through the cracks. For palms that will not hold clearance for a full year with normal pruning, the refusal process should be used. The refusal process is used to track unmanageable palms when the customer refuses removal. Although PG&E may or may not have the right to remove or kill the palm, PG&E does have the right and responsibility to obtain one-year' worth of clearance even if that clearance removes the heart of the palm and kills it. | | |

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

| Transplanting & Palm Brokers | Palms may be valuable enough to justify transplantation by the customer. Customer should contact palm broker and coordinate work. This alternative should be initiated at least 2-3 years before the tree enters within 10' of the high voltage lines. Palm brokers may not be interested in trees that have been pruned due to concerns about disease or appearance. Line-kills may be appropriate, at property owner expense, during transplantation to ensure safety. Always prescribe necessary pruning to maintain compliance until the next cycle, even if the customer says they will move the palm. |
|--|---|
| Engineering & Line Construction Solutions | Do not discuss engineering alternatives with the customer (VPM/Forester only). The best opportunity to address the adverse effects of trees on distribution lines is at the time of initial design. Notify VPM/Forester of potential infrastructure alterations including new line construction, upgrades to the electrical system, and road widening or relocation projects. At the customer's request and expense, the electric construction department may consider overhead construction alternatives including: Alley or wing arm construction Compact construction and/or changing pin spacing Aerial cable Raychem wire covering Always prescribe necessary trimming to maintain compliance until the next cycle, even if the customer says they will pursue a construction change. |

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

Appendix D: Orchard Best Management Practices

ORCHARD BEST MANAGEMENT PRACTICES

Pls and TCs are expected to follow Vegetation Management Best Management Practices, as follows:

GENERAL SAFETY

<u>BMP 1</u>: VM contractors will follow all Vegetation Management BMPs for environmental laws and procedures.

S:\Orchard - Distribution Project\VM BMPs

BMP 2: VM contractors will review and comply with all pesticide safety rules and regulations.

Do not enter an orchard if chemicals are suspected as a result of pesticide treatment; required spray re-entry signage may not be posted. When in doubt, verify with grower / orchard manager that orchard is safe to access.

S:\Orchard - Distribution Project\Safety

BMP 3: VM contractors must access orchards by using pavement or designated roads, and comply with seasonal entry restrictions. If vehicle access between rows is required, permission from orchard manager must be obtained. Vehicle speed limit (generally 10 mph) must be followed.

BMP 4: VM contractors will not enter during restricted entry intervals such as harvest, flooding or application of pesticides. For emergency tree work, immediately contact local PI supervisor (SCUF), VPM and notify orchard owner.

SCHEDULE

BMP 5: VM contractors will prescribe tree work according to the Distribution Patrol Standard (DPS) to ensure regulatory compliance. Any trees that require increased clearance, or removal, since they can't be managed on a one year cycle, must be discussed with the orchard owner and recorded in vegetation management database (VMD). Pls must tailboard increased clearance locations with TCs prior to tree work.

S:\Orchard - Distribution Project\5 Minute Meeting Annual Clearances

<u>BMP 6</u>: Whenever possible, VM Contractors will schedule distribution and transmission orchard-work at the same property, or corridor, and coordinate schedules using the project management database, seasonal restrictions and harvest schedule.

DATABASE MANAGEMENT

<u>BMP 7</u>: VM contractors will use "Orchard Projects" defined in PMD as a separate segment from the non-orchard patrol, identified by Circuit name as the Project name, and using Orchard as the descriptor. The PMD Standardization Guidelines must be utilized for specific guidance.

Note: Non-Orchard trees can be listed in an orchard project with "Private" as owner.

<u>BMP 8</u>: Pre-inspection contractor will maintain a list of Orchard Owners that will be updated / edited / corrected frequently so that accurate information can be used by TCs. The grower list for the transmission orchard

Publication Date: 10/27/2015 Rev: 1

Distribution Routine Patrol Procedure (DRPP)

program will include distribution orchard owners if distribution lines exist on the same property. Pre-patrol notification letters must be mailed in advance of each scheduled quarter, and mailing coordinated with transmission orchard program pre-patrol letters to avoid duplications. To the extent possible, one letter should be sent when a property / grower has both transmission and distribution. PI transmission will send these letters - one for transmission only and one for distribution and transmission; distribution-only will be handled by PI distribution.

BMP 9: PI contractors will verify the accuracy of contact information and update the database as required. For obtaining current orchard owner phone numbers, PIs have access to a variety of databases including CCNB /S AP information provided by PG&E clerk

BMP 10: SCUF will provide orchard PIs with Pre-Planning reports for orchard projects from back office PMD, and discuss quality, schedule and compliance goals

PRE-WORK REVIEWS / BENCHMARKING

- BMP 11: VM contractors will perform customer call outs utilizing the customer notification system, specific to orchard projects. Call out schedules must be coordinated with transmission orchard program to avoid duplications.
- <u>BMP 12</u>: <u>Locations</u>: Identify orchards that have discussion topics (i.e., clearance, different species, older mature trees, new plantings, etc.). Contractors will work with the orchard owner to ensure coordination. Ensure benchmark locations are safe, away from main thoroughfares, and with plenty of parking.

<u>Orchard owner notifications</u>: Benchmarks should include the importance of proper notifications to all orchard owners / managers. They should be conducted pre-and post-harvest to help educate inspectors on the effects of leaf and nut loading, or changing tree-conductor clearances from dormant season to time of harvest.

VM contractors must conduct representative benchmarks prior to annual tree maintenance.

TALKING POINTS

<u>BMP 13</u>: VM contractors will review talking points when communicating with orchard owners to deliver a consistent message.

S:\Orchard - Distribution Project\Talking Points

Bulletins are intended to communicate the following:

- An immediate change in how business is done
- Information about a safety, health or environmental incident or issue and resulting required actions
- Information about a new mandatory compliance requirement

A clarification of a previous instruction to communicate why the document is being

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

SUMMARY

This utility procedure provides instructions for performing second patrol inspections (commonly referred to as patrol) and tree trimming within the following areas:

- State responsibility areas (SRAs)
- Wildland urban interface (WUI) areas
- Fire hazard severity zones (FHSZs)
- Designated high fire-threat districts (HFTDs)

The intention is to reduce the risk to the electric system by inspecting vegetation conditions on circuits within these areas approximately six months after the routine annual patrol.

California Public Utilities Commission (CPUC) decision R.15-05-006 adopted regulations to enhance fire safety in designated HFTDs across California. The HFTDs are divided into three areas: Zone 1 (tree mortality), Tier 2 (elevated fire risk), and Tier 3 (extreme fire risk). Second patrols include catastrophic event memorandum account (CEMA) recovery efforts, and the term "second patrol" is preferred and used in lieu of CEMA in this document.

The scope of work addresses the following:

- Dead, dying, and declining trees, or dead portions of trees including dead overhangs, that can contact PG&E facilities if they fail
- Green trees observed within the minimum distance requirement (MDR) or with the potential to encroach the MDR before the next patrol cycle
- Green hazard trees with the potential to impact the electric facilities
- Trees causing strain or abrasion on secondary lines
- Abnormal field conditions

Level of Use: Informational Use

TARGET AUDIENCE

PG&E vegetation management (VM) personnel

VM second patrol contractors, including pre-inspector (PI), tree crew general foreman (GF), quality control (QC), and quality assurance (QA)

SAFETY

NA

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

BEFORE YOU START

- REVIEW the <u>Definitions Section</u> in this document.
- 2. ESTABLISH an understanding of the following VM utility procedures:
 - When inspecting transmission with underbuild, <u>TD-7103P-01</u>, "<u>Transmission</u> <u>Non-Orchard Routine Patrol Procedure (TRPP)</u>"
 - TD-7102P-01, "Distribution Routine Patrol Procedure (DRPP)"
 - TD-7102P-04, "Distribution Vegetation Refusal Procedure"
 - TD-7102P-06, "Inspection Mapping"
 - TD-7102P-07, "Vegetation Management Hazard Tree Rating and Scoring"
 - TD-7102P-08, "Facility Protect and Work Difficulty Classification Procedure"
 - TD-7102P-09, "Reporting Abnormal Field Conditions Procedure"
 - TD-7102P-16, "VM Riparian Review Procedure"
 - TD-7102P-16-JA01, "Identifying Riparian Areas"
 - TD-7103P-09, "Vegetation Management Hazard Notification Procedure"



Vegetation Management Second Patrol Procedure

TABLE OF CONTENTS

| SUBSECTION | TITLE | PAGE |
|---|---|------|
| 1 | General Requirements | 3 |
| 2 | Preparing Work for Second Patrol Inspections | |
| 3 | Performing Patrol Types | 4 |
| 4 | Creating a New Packet on a Mobile Device | 6 |
| 5 | Editing Location Route Information | 6 |
| 6 | Patrolling the Location Following the Second Patrol Scope-of Work | 7 |
| 7 | Entering Tree Data | 8 |
| 8 | Communicating with the Customer | 9 |
| 9 | Processing Refusals | 10 |
| 10 | Identifying Routine Compliance Work During Second Patrol | 10 |
| 11 | Processing Trees within Riparian Areas | 11 |
| 12 | Post Patrol and Reporting | 11 |
| 13 | Completing the Project | 11 |
| 14 | Performing Aerial Patrols | 12 |
| Appendix A | A, SCUF – Prepare Work and Create Read-Only Packets for Second Patrol | 15 |
| Appendix B, CUF - Create a New Packet on a Mobile Device for Second Patrol Projects .18 | | |

PROCEDURE STEPS

1 General Requirements

- 1.1 New regulations require a 4-foot (ft.) minimum clearance year-round in the designated HFTD areas; with a recommended clearance of 12 ft. at the time of trim.
- 1.2 CHECK the Fire Index Ratings for work locations before starting work.
- 1.3 FOLLOW all best management practices as defined in <u>Job Aid TD-7102P-01-JA01, "Best Management Practices (BMPs) for Vegetation Management Activities."</u>
- 1.4 FOLLOW all avoidance and minimization measures (AMMs) specific to the location.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

- 2 Preparing Work for Second Patrol Inspections
- 2.1 The senior consulting utility forester (SCUF) must PERFORM the steps in <u>Appendix A, "SCUF Prepare Work and Create Read-Only Packets for Second Patrol,"</u> to PREPARE second patrol work, CREATE read-only packages, AND ASSIGN work to a consulting utility forester (CUF).
- 3 Performing Patrol Types
- For projects identified as **CEMA GROUND** and **CEMA Aerial** in the project management database (PMD), the PI must perform the following major steps:
 - INSPECT all portions of a line within the SRA and HFTD layers (including an HFTD in the LRA area designated as an Increased Clearance Area [ICA]) once per year, approximately 6 months after routine patrol inspection of the circuit.
 - 2. In accordance with Utility Procedure <u>Utility Procedure TD-7102P-06</u>, "<u>Inspection Mapping</u>," DOCUMENT the completed inspection as follows:
 - a. HIGHLIGHT the line inspected on a circuit map.
 - b. SIGN AND DATE the circuit map.
- 3.2 For projects identified as CEMA WUI and CEMA FHSZ in the PMD, the PI must perform the following major steps:
 - 1. INSPECT only portions of the circuit that are in local response areas (LRAs) outside HFTD ICA AND within the two GIS layers, WUI areas and FHSZs, once per year, approximately 6 months after routine patrol inspects the circuit.
 - 2. In accordance with TD-7102P-06, DOCUMENT the completed inspection as follows:

NOTE

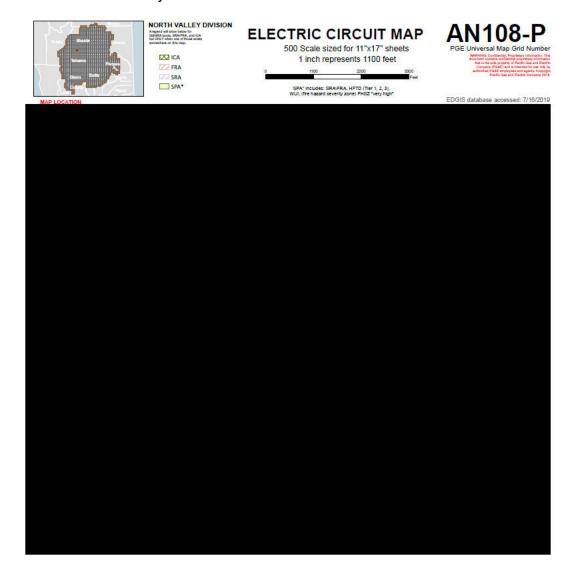
- Circuit maps with a layer designated as Second Patrol Area (SPA) are located on the Shared drive and can be accessed by going to the VMShared drive in the Second Patrol folder for the current year, within a subfolder named Second Patrol Area Maps.
- The second patrol area layer on the circuit maps contains the designated patrol areas of SRA, HFTD/ICA, WUI, and FHSZ.
 - a. HIGHLIGHT the line inspected on a circuit map.
 - b. SIGN AND DATE the circuit map.
 - c. For projects designated as CEMA GROUND and CEMA AERIAL in the PMD, the PI must patrol all line segments WITHIN areas designated on the maps as SRA, FRA, and ICA.



Vegetation Management Second Patrol Procedure

3.2 (continued)

d. For projects designated as CEMA WUI in the PMD, the PI must patrol all line segments within areas designated on the maps as SPA and that are NOT in the SRA/FRA or ICA layer.



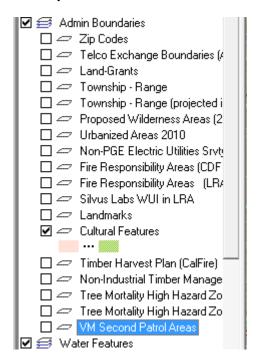
Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

3.2 (continued)

- 3. To view these layers on MapGuide GIS, perform the following tasks:
 - a. SELECT Admin Boundaries.
 - b. For the SPA, SELECT VM Second Patrol Areas.

This layer is visible at the 500K scale.



- 4 Creating a New Packet on a Mobile Device
- 4.1 See <u>Appendix B, "CUF Creating a New Packet on a Mobile Device for Second Patrol Projects,"</u> for instructions for the CUF to create a new packet for each second patrol project
- 5 Editing Location Route Information
- 5.1 The PI must perform the following steps to edit the location route information in the mobile device to indicate that it is a CEMA project location:
 - 1. CLICK Edit.

The **Edit Location Route Info** window appears.

- 2. For **Circuit**, SELECT the circuit undergoing work.
- 3. For the source side device number (**SSD #**), ENTER the source side device (SSD) on which the project is located.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

5.1 (continued)

- 4. For the source side route number (**SSD Rt#**), ENTER **606060** to ensure that a single work request is created for all locations.
- 5. For the location route number (**Loc Rt#**), make the following entries:
 - a. ENTER the first number from the number range assigned by the SCUF to the first location.
 - b. INCREMENT each subsequent location number by 10.

For example, if the SCUF-assigned range is 210 to 300, use 210 first, followed by 220, then 230, etc.

NOTE

The **Tag Type** and Tag Number (**Tag #**) fields are not used when the prescribed work is for dead, dying, and declining trees, or dead portions of trees including dead overhangs, that can contact PG&E facilities if they fail.

- 6. LEAVE the **Tag Type** and **Tag #** fields blank unless work identified is for trees approaching the MDR or trees that meet Hazard Notification criteria. Refer to Section 10.1, <u>Table 1</u>, "<u>Tree Conditions</u>," for guidance on when to use appropriate tag types.
- 7. Click Finish.

6 Patrolling the Location Following the Second Patrol Scope-of Work

The scope of work addresses the following conditions:

- Dead, dying, and declining trees, or dead portions of trees including dead overhangs, that can contact PG&E facilities if they fail
- Green trees observed within the minimum distance requirement (MDR) or with the potential to encroach the MDR before next patrol cycle
- Green hazard trees with the potential to impact the electric facilities
- Trees causing strain or abrasion on secondary lines
- Abnormal field conditions

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

- 6.1 The CUF must RECEIVE the Locations Report from the SCUF AND must review the report to verify whether marked trees still unworked are listed on a pending work request.
 - 1. IF the tree is on a pending work request but has declined or encroached on the MDR AND the inspector believes the tree is at risk of not holding,
 - THEN TD-7103P-09 must be implemented.
 - 2. The CUF must then INFORM the DMS so the pending work request line item can be closed as 'not worked' once the HN tag is generated.

7 Entering Tree Data

- 7.1 To enter tree data in the vegetation management database (VMD), the PI must perform the following steps:
 - 1. On the VMD **Location** screen, CLICK the **Tree List** tab at the top of the screen.
 - 2. CLICK **New** at the bottom of the page.
 - The **VMD Tree** window appears.
 - CLICK Edit.

The **Edit Tree Detail Info** window appears.

- 4. ENTER the following information:
 - a. For **Tree Type**, SELECT from the drop-down list.
 - b. For **Species**, SELECT from the drop down list.
 - c. For **Property Owner**, SELECT from the drop-down list.
 - d. For **Quantity**, ENTER the number of trees.
 - e. For **Joint Pole**, SELECT from the drop-down list.
 - f. For **Tree Comments**, ENTER the location of the trees AND specific instructions for performing the work.
 - g. For **Trim Code**, BASE the individual tree prescriptions on <u>TD-7102P-08</u>, <u>"Facility Protect and Work Difficulty Classification Procedure" AND SELECT from the drop-down list.</u>
 - h. For **Height**, ENTER the height in feet.
 - i. For **DBH**, ENTER the diameter in inches.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

7.1 (continued)

- j. For **Clearance**, ENTER 0 for all removals OR specify the clearance for trims in inches.
- k. For **Priority**, SELECT **Routine** from the drop-down list.
- I. For **Cycle**, SELECT **Routine** from the drop-down list.
- m. For **Crew**, ENTER the crew type.
- CLICK Finish.

8 Communicating with the Customer

NOTE

ENTER the customer contact information for any safety issues or production impacts, such as the presence of a dog, requests to notify first, locked gate, and concerned customer alerts.

- 8.1 The PI must perform the following steps to contact and communicate with the customer:
 - 1. ATTEMPT to CONTACT the customer.
 - 2. IF successful,

THEN perform the following tasks:

- a. EXPLAIN the scope of work being prescribed, including the scope of clean up and the amount of debris likely to be left behind.
- b. When possible, OBTAIN a signed Notification of Tree Work (NTW) Form from the property owner for heavy trimming and removal work.

NOTE

All non-contact refusals (absent land owner locations) require photographs of the dead/dying tree canopy to be mitigated.

3. IF unable to contact the customer after 3 documented attempts within 5 business days,

THEN perform the following steps:

- a. FOLLOW Attachment 1, "Customer Notification Process."
- b. PROVIDE required photographs for the Customer Impact process.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

9 Processing Refusals

- 9.1 IF the customer refuses work entirely OR limits the work so as to severely limit positive trim results,
 - THEN the PI must perform the following steps:
 - INDICATE the location as a refusal in the mobile device AND CREATE an ITS record.
 - 2. FOLLOW TD-7102P-04, "Distribution Vegetation Refusal Procedure."
 - 3. ENTER the tree prescriptions into the mobile device.
 - 4. MARK the location as "Refusal."
- 9.2 The local lead or refusal specialist must perform the following tasks:
 - 1. ATTEMPT to make a second contact to resolve the refusal.
 - 2. IF the refusal remains unresolved.

THEN PASS the refusal to the designated second patrol SCUF or second patrol VPM for further action.

10 Identifying Routine Compliance Work During Second Patrol

10.1 The PI must IDENTIFY the trees with conditions listed in Table 1 below AND PERFORM the action specified for each.

Table 1. Tree Conditions

| Tree Condition Identified | Action |
|--|--|
| Green trees observed within the MDR, See <u>TD-7102P-01</u> , Attachment 1, "Minimum Distance Requirements (MDR)." | FOLLOW Utility Procedure TD-7103P-09, "Vegetation Management Hazard Notification Procedure." |
| Trees that are approaching the MDR that are not expected to maintain compliance until the next routine inspection cycle. | ENTER the routine work in the mobile device as a Missed Tree tag. |
| Green, significantly leaning trees with indications of basal defect or soil instability, and uprooted trees in the surrounding stand, that are likely to fail into the facilities before the next annual patrol. | ENTER the routine work for these trees in the mobile device as an Unforeseen tag. |
| Structurally unsound green limbs and dead palm fronds above the conductors with the potential to fail into the facilities before the next routine patrol. | ENTER the routine work for these trees in the mobile device as an Unforeseen tag. |

10.2 WHEN an abnormal field condition is identified,

THEN the PI and TC must FOLLOW <u>Utility Procedure TD-7102P-09</u>, "Reporting Abnormal Field Conditions Procedure."

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

10.3 The second patrol SCUF must NOTIFY the local area DMS of routine tags created and uploaded to the system.

11 Processing Trees within Riparian Areas

- 11.1 For identifying riparian areas, the PI must FOLLOW the instructions in <u>Job Aid</u> TD-7102P-16-JA01, "Identifying Riparian Areas."
- 11.2 For trees within a riparian area identified as needing work, the PI must FOLLOW <u>Utility</u> Procedure TD-7102P-16, "VM Riparian Review Procedure."
- 12 Post Patrol and Reporting
- 12.1 At least once a day, the PI must TRANSMIT the data collected using the mobile device.
- 12.2 At the end of each project, the PI must PERFORM the following steps:
 - 1. COLLECT all project documents, which commonly include the following documents:
 - NTW
 - Highlighted Maps
 - Inspection Maps
 - 2. SUBMIT the documents to the SCUF.
 - STORE the documents in the circuit folder.

13 Completing the Project

13.1 WHEN a project is complete,

THEN the SCUF must PERFORM the following steps:

- 1. SEND a completion email to the local DMS, providing the following information:
 - Project Name
 - Project Number
 - Date of closing
 - Total number of units

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

13.1 (continued)

- 2. FILE the project folders in the local office with all relevant documentation, including, but not limited to the following documents:
 - Index and Field maps highlighted and signed by the CUF and SCUF.
 - Original signed NTWs (where applicable).
 - Additional permits (ERTC communications, AMMs).

14 Performing Aerial Patrols

14.1 See <u>Attachment 3, "Aerial Patrols,"</u> for guidance on planning, executing and documenting aerial patrols.

END of Instructions

DEFINITIONS

CEMA: In 2014, PG&E implemented a CEMA program to recover costs due to increased tree mortality from prolonged drought and bark beetle infestations within the PG&E service territory.

Fire Hazard Severity Zone (FHSZ): A layer produced by CAL FIRE and the Resource Assessment Program (FRAP) using data and models describing development patterns, potential fuels over a 30-50 year time horizon, expected fire behavior, and expected burn probabilities, to quantify the likelihood and nature of vegetation fire exposure. This second patrol project pertains only to the **very high** fire severity zone within the LRA.

VM Back Office: A web-based software system that includes the VMD and the PMD.

Wildland Urban Interface: The area where structures and other human developments meet or intermingle with undeveloped wildland.

IMPLEMENTATION RESPONSIBILITIES

VM operations personnel are responsible for the rollout, communication, and distribution of this utility procedure.

GOVERNING DOCUMENT

Utility Standard TD-7102S, "Distribution Vegetation Management Standard (DVMS)"

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

California Public Utilities Commission (CPUC) General Order (G.O.) 95, Rule 35

G.O. 95, Rule 18, Section B

Public Resource Code (PRC) 4292

PRC 4293

REFERENCE DOCUMENTS

Supplemental References:

TD-7102P-01, "Distribution Routine Patrol Procedure (DRPP)"

TD-7102P-01, Attachment 1, "Minimum Distance Requirements (MDR)"

TD-7102P-04, "Distribution Vegetation Refusal Procedure"

TD-7102P-06, "Inspection Mapping"

TD-7102P-08, "Facility Protect and Work Difficulty Classification Procedure"

TD-7102P-09, "Reporting Abnormal Field Conditions Procedure"

TD-7102P-16, "VM Riparian Review Procedure"

TD-7102P-16-JA01, "Identifying Riparian Areas"

TD-7103P-01, "Transmission Non-Orchard Routine Patrol Procedure (TRPP)"

TD-7103P-09, "Vegetation Management Hazard Notification Procedure"

APPENDICES

Appendix A, "SCUF – Prepare Work and Create Read-Only Packets for Second Patrol"

Appendix B, "CUF - Creating a New Packet on a Mobile Device for Second Patrol Projects"

ATTACHMENTS

Attachment 1, "Customer Notification Process"

Attachment 2, "Red Flag Patrols"

Attachment 3, "Aerial Patrols"

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

DOCUMENT RECISION

TD-7102P-23, Vegetation Management 2016 Second Patrol - Practices, Rev. 0

TD-7102P-23, "Vegetation Management 2017 Second Patrol - Practices, Rev. 1"

DOCUMENT APPROVER

Senior Manager, Vegetation Management

DOCUMENT OWNER

Supervising Program Manager, Vegetation Management

DOCUMENT CONTACT

Supervising Program Manager, Vegetation Management
Supervising Program Manager, Vegetation Management

REVISION NOTES

| Where? | What Changed? | |
|-------------------------|---|--|
| Procedure Steps Section | Moved action steps previously located in the TD-7102B-007, "VM Second Patrol - Scope of Work" procedure to this procedure; reorganized and rewrote Procedure Steps section. | |
| Incorporated B012 and | To include HFTD to the current year's Second Patrol projects in PMD, | |
| B019. | Second Patrols are now in all HFTD areas, not limited to just SRA or Specific WUI LRA areas. | |
| | Scope includes Dead/Dying trees listed as CEMA account type. Also includes trees within the MDR to be entered as HN Tags. Trees outside the MDR but that will not hold the MDR clearance until next PI cycle to be entered as missed tree tag (or other if applicable). Also includes abnormal field conditions and hazard trees due to structural defects that cannot wait for next cycle. | |
| Red Flag Patrol Section | Moved to attachment | |
| Created Attachments for | Aerial patrols | |
| | Using LiDAR data | |
| Created appendices for | Planning second patrol work and creating read only packets | |
| | Creating new packet on mobile device for second patrol | |
| Throughout | Edited for alignment with GDM documentation standards. | |

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

Appendix A, SCUF – Prepare Work and Create Read-Only Packets for Second Patrol Page 1 of 3

- **A.** The SCUF must perform the following steps to prepare work for the second patrol:
 - 1. IDENTIFY the project to work.
 - 2. SEND a "start of project" email to the DMS and local VPMs.
 - 3. CREATE a VMD Locations Report for locations where trees are marked for mitigation but still standing, as follows:
 - a In the VMD Locations Report, PERFORM an Advanced Search with the following information:
 - Division
 - Account type maintenance
 - Circuit Name
 - SSD RT #
 - Trim Type IN LIST = ALL FP CODES
 - b SELECT **VMD** Locations.
 - c SELECT RUN.
 - 4. RESEARCH, COMPILE, AND PROVIDE the following project information to the CUF performing the second patrol inspection:
 - Circuit name and project number
 - Number range for Location Route Number
 - Copy of line section / circuit map from local area DMS / SCUF
 - VMD Locations Report of previous First Patrol FP work
 - PI Tree Inspection Safety Report
 - Ownership issues
 - Agency issues
 - Customer issues
 - Municipal and/or local ordinances
 - Environmental issues, such as Limited Operating Periods (LOPs) and FERC areas
 - 5. ASSIGN the project to a CUF for patrol.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

Appendix A, SCUF – Prepare Work and Create Read-Only Packets for Second Patrol Page 2 of 3

B. The SCUF must perform the following steps to create a read-only packet in VMD:

NOTE

The SCUF may assign CUF **read-only** routine maintenance pre-load packets for each project.

- 1. If needed, the SCUF must FOLLOW the instructions below to create a read-only packet:
 - a NAVIGATE to the Vegetation Management Website.
 - b In the **Functions** section, CLICK on **Back Office VMD**.

The Back Office VMD Main Menu screen appears.

c In the Back Office VMD Main Menu, CLICK on Create Preload Packet.

The PI Work Packet – Pre-Load Query screen appears.

- d CREATE the preload packet as follows:
 - (1) For **Division**, SELECT the appropriate division.
 - (2) Under Preload Account Type to Create, SELECT CEMA.
 - (3) Under Account Type to Search, SELECT Maintenance.
 - (4) Under Generation Criteria to Search, SELECT Circuit, SSD Route.
 - (5) In the **Field** column, from the first **Select Field Option** pull-down menu, SELECT **Circuit Name**.
 - (6) At the bottom of the **PI Work Packet** screen, CLICK **Run Query**.
 - (7) The results of the query appear.
- 2. To ASSIGN circuits and routes, perform the following steps:
 - a CHECK the circuits and routes to assign.
 - b CLICK **Assign** at the bottom of the window.

The **Assign To Options** window pops up.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

Appendix A, SCUF – Prepare Work and Create Read-Only Packets for Second Patrol Page 3 of 3

B.2 (continued)

- c ASSIGN options as follows:
 - (1) For **Contractor**, SELECT the contractor.
 - (2) For **Mobile User**, SELECT the CUF.
 - (3) CLICK within the **PMD Project Name** field to display a drop-down list AND SELECT the appropriate project name.

The system automatically fills in the PMD Project Number field.

(4) In the **Comments** field, TYPE "Read Only."



The **Read Only** box **must** be checked to prevent edits to routine maintenance records,

- d At the bottom of the **Assign to Options** window, MAKE the following selections:
 - (1) CHECK the **Read Only** field to make the packet read only.
 - (2) CLICK OK.

Creation of the read-only packet is complete.

Publication Date: 07/31/2019 Rev: 2

Vegetation Management Second Patrol Procedure

Appendix B, CUF – Create a New Packet on a Mobile Device for Second Patrol Projects Page 1 of 1

- A. The CUF must perform the following steps to create a new packet for each second patrol project where work is prescribed using the VM mobile application on a mobile device:
 - 1. In the **Applications** tab, SELECT the icon for **VM Application**.

The Work Folder screen appears.

2. At the bottom of the **Work Folder** screen, CLICK **New**.

The Create Packet folder appears.

- 3. Make the following selections for the fields in the **Create Packet** window:
 - a For **Account Type**, SELECT **CEMA**.
 - b For **Division**, SELECT the division in which the work is being performed.
 - c CLICK **Distribution**.
 - d For **Project ID** (required), ENTER the last six digits of the project ID provided by the SCUF, omitting the leading zero and without the dash (-). For example, for a PMD project number provided by the SCUF of 0xx-xxxx, enter the project ID in the following format: xxxxxxx.
 - e CLICK Finish.

The new packet is created and the VMD **Location** screen appears.

Utility Standard: TD-7102S

Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

SUMMARY

The Distribution Vegetation Management (VM) Program has been designed and implemented to ensure safe and reliable operation of distribution facilities and to prevent vegetation foreseeable vegetation outages. In addition, the Distribution VM Program is designed to monitor compliance with state and federal laws and regulations including:

- CPUC General Order (G.O.) 95, Rule 35
- Public Resource Code (PRC) §4292
- Public Resource Code (PRC) §4293

TARGET AUDIENCE

- Vegetation Management Governance and Support
- Vegetation Management Operations
- VM Contractors: Pre-Inspection (PI), Tree Contractor (TC), Quality Control (QC),
 Quality Assurance (QA), Vegetation Control (VC)

SAFETY

PG&E and contract workers must review and follow all applicable safety standards and procedures before performing work, which includes review of tailboards and wearing appropriate Personal Protective Equipment for the job.

TABLE OF CONTENTS

| SUBSECTION | TITLE | PAGE |
|------------|--|------|
| | | |
| 1 | Program Overview | 2 |
| 3 | Vegetation Control (VC) Program | 7 |
| 4 | Quality Control (QC) Program | 9 |
| 5 | Quality Assurance (QA) Program | 10 |
| Appendix A | A: Minimum Distance Requirements (MDR) | 17 |

Distribution Vegetation Management Standard (DVMS)

REQUIREMENTS

- Program Overview
- 1.1 Program Description
 - The Distribution VM Program consists of many different programmatic elements that intended for the safe and reliable operation of primary distribution circuits and secondary distribution lines, while complying with state laws and regulations including G.O. 95, Rule 35; PRC 4292 and 4293.

1.2 Program Strategy

- The Routine VM program strategy is to perform an annual patrol and complete
 identified tree work on all overhead primary and secondary distribution facilities to
 maintain radial clearance between vegetation and conductors, and identify trees that
 will encroach within PG&E's minimum distance requirements (see Appendix A,
 Minimum Distance Requirements (MDR)) and hazard trees which have the potential to
 strike the conductors.
- This approach allows for ongoing monitoring of vegetation conditions to prevent encroachment into the MDR, reasonably foreseeable outages and possible fire ignitions.
 - a. Quality Assurance (QA) performs scheduled audits throughout the year, regardless of planned, pending, and completed inspection and tree pruning and removal work, to ascertain compliance with CPUC GO 95, Rule 35 and PRC 4293. Reporting on-going and relevant QA information allows for opportunities to take appropriate corrective action and to address gaps in processes and procedures.
 - b. Quality Control (QC) monitors contractor work performed in the routine VM program. QC provides for on-going review of contractor work, relative to PG&E contract specifications and VM standards and procedures. Reporting on-going QC information related to strategic VM goals allows the opportunity to take appropriate corrective actions and to address gaps in processes and procedures.
- 1.3 Minimum Distance Requirements (MDR)
 - G.O. 95, Rule 35 and PRC 4293 require that utilities maintain minimum clearance distances between energized distribution conductors and vegetation. Appendix A displays a table and guidelines for determining Minimum Distance Requirement (MDR) to maintain separation between vegetation and distribution conductors in Local Responsibility Areas (LRAs) and State Responsibility Areas (SRAs).

Distribution Vegetation Management Standard (DVMS)

1.4 Notification of Hazardous Condition

- Transmission and Distribution Hazard Notification (HN) Procedure provides guidance
 for notifying and mitigating any vegetation condition which, under observed conditions,
 shows evidence of contact with a distribution conductor or has the potential to become
 an imminent threat
- This HN Procedure applies to all VM employees and VM contractors. The vegetation condition may arise from encroachment from growing vegetation or potential failure of limbs or trees, within or outside of the Right-of Way (ROW).
- 2 Routine Vegetation Management
- 2.1 Program Description Routine
 - As described in the Distribution Routine Patrol Procedure (DRPP), Pre-Inspection (PI) contractors perform an annual patrol of all overhead distribution circuits, including stand-alone secondary lines.
 - a. Patrols are performed by PI contractors, and the prescribed work is completed by the Tree Contractors (TC). When trees are present along the distribution line, a ground patrol is required to inspect the trees. However aerial patrols may also be used, including aerial patrols using Light Detection and Ranging (LiDAR).
 - During the patrol, the PI identifies and prescribes work for trees that could grow into the MDR, and trees or portions of trees that could fail and make contact with conductors.
 - c. Trees identified for work are issued on a Work Request to TC. Work completion is monitored by VM staff with additional validation through QC.

2.2 Planning and Scheduling

- Detailed planning for the VM DRPP is conducted in the third and fourth quarter of each year for the following year. The detailed planning process includes forecasting the number of units that will be worked on each distribution circuit or project, and setting the following years' schedule.
- Workload is forecasted using historical data on units worked in prior years, historical data on volume of trees pruned, and knowledge of local site conditions. After the current-year forecast is developed, the schedule for the year is determined, taking into consideration the following factors:
 - Last patrol date and duration
 - Line criticality

Distribution Vegetation Management Standard (DVMS)

- Outage statistics
- Tag statistics
- Environmental restrictions, e.g. limited operating periods
- Stakeholder (contractor) feedback
- Accessibility (snow, flooding)
- Property owner activities (e.g. orchards)
- Distribution circuit length and tree density
- Resource availability
- By following the Project Management Database (PMD) Standardization Guidelines (Dec. 2015) and with VPM approval, circuits and line sections may be segmented or combined into unique PMD projects.
- 4. The following are situations where unique PMD projects are considered:
 - Highway projects
 - Agency Projects (USFS, BLM)
 - Geographic / District / Administrative Boundaries
 - Orchards

NOTE

Commercial orchards are planned as "Orchard Projects", and as a separate segment or project from non-orchard patrols. Whenever possible, VM contractors schedule distribution and transmission orchard work at the same property or corridor and coordinate schedules using PMD along with other considerations such as seasonal restrictions, and harvest schedules.

- a. Once the plan is finalized, all distribution line sections and their associated forecasts are entered into PMD.
- b. PMD is used throughout the year to monitor work progress and work completion status.

Distribution Vegetation Management Standard (DVMS)

2.3 Work Practice and Procedure

- Pre-Inspection and tree work is performed in accordance with PI Contract Specifications, TC Contract Specifications and Distribution Routine Patrol Procedure.
- Pre-Inspection
 - As described in the Distribution Routine Patrol Procedure, PI inspects all vegetation, both inside and outside of the ROW, which has potential to grow into or fall into distribution conductors.
 - b. PI is required to use MDR to determine the minimum allowable clearance distances, and prescribe tree work accordingly.
 - c. Once a tree is identified for work, the work prescription must consider local conditions which will occur prior to the next patrol. Local conditions may include, but are not limited to:
 - Reasonably anticipated tree and conductor movement
 - Species types and growth rates
 - Species failure characteristics
 - Local climate and rainfall patterns
 - Line terrain and elevation
 - Location of the vegetation within the span
 - Worker approach distance requirements
 - Snow load
 - Trees identified by PI as requiring work are entered into a handheld device.
 Upon completion of the field inspection, the handheld data is downloaded to the Vegetation Management Database (VMD)
- Work Completion Tree Pruning and Removal
 - Work identified by PI is issued to TCs as Work Requests generated through VMD.
 - b. A Work Request identifies the work practice and work methodology most appropriate to the work location. Routine tree pruning work assigned solely by Work Request is performed as selective manual removal or pruning of individual trees in and along the ROW.

Utility Standard: TD-7102S

Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

c. When the assigned tree work is complete, the Work Request is closed out in VMD, and the PMD project for that distribution line is updated as completed.

Refusals

- a. PG&E will follow the Distribution Vegetation Refusal Procedure for all locations and incidents that result when work is constrained by external factors such as:
 - Environmental Review or further work with a government agency.
 - Customer refuses to allow VM access to property or hinders the ability to perform the work necessary to maintain compliance on distribution lines and facilities.

Work Completion Status

- VM PMD is a software application, used for monitoring work status, adjustments to workload forecast, resources or and adjustments to the work schedule.
- b. At the end of the planning process, information on distribution patrols is entered to PMD with a unit forecast and a planned start / completion date.
- c. The work completion progress on each "Open" distribution patrol is updated weekly, and forecasted completion dates are adjusted as needed. When a line is reported as work complete by PI or TC, the date is entered as actual completion to PMD.
- PMD has scheduling status reports which allow a Program Manager to monitor work completion and make resource adjustments.
- e. PMD forecast and actual completion dates are used to document modifications to the annual work plan.

6. Quality Control

a. Monitoring PI and TC work performance is conducted by a separate QC contractor, described in the Quality Control Program section of this document.

Distribution Vegetation Management Standard (DVMS)

3 Vegetation Control (VC) Program

3.1 Program Description

- Vegetation Control (VC) is the PG&E system wide program of patrolling, identifying, prescribing work, conducting work, and documenting work around subject poles and towers to maintain compliance with California Public Resource Code (PRC) 4292 as well as PG&E standards.
- Subject poles are those poles and towers with specific equipment in designated areas.
 During the declared fire season, the utility is required to maintain 10 feet of radial clearance and 8 feet of vertical clearance from vegetation that could allow the fire to spread at the base of subject poles and structures.

3.2 Planning and Scheduling

- 1. The VC program's project year generally runs from October through the following September. The location and number of subject poles is stable; the annual work plan is based on the geographical locations of the subject poles and historical knowledge relative to the timing of fire season. An annual work plan is developed by the VC contractor and submitted to Sr. Vegetation Program Manager overseeing VC, for approval by September 15th of each year.
- 2. PI and VC work is scheduled based on a combination of the work activity needed and the anticipated date for fire season declaration.
 - a. Subject poles where the property owner / land manager allows application of herbicide must be pre-inspected from October through March; the subject pole will be cleared and herbicide applied at the time of inspection.
 - These poles will be inspected a second time between May and August and re-cleared of vegetation as needed.
 - Subject poles where the property owner / land manager will not allow application of herbicide are pre-inspected from October through March; the pole is cleared from March through June, depending on the start of fire season.
 - These poles must be inspected a second time between May and August and re-cleared as needed.
 - Between the months of July through September, these subject poles are re-inspected a third time and cleared of vegetation as needed.

Distribution Vegetation Management Standard (DVMS)

3.3 Planning and Work Practice

- VC maintains an inventory of all distribution subject poles that require clearing. An annual patrol is conducted generally between the months of October through March, with work prescribed at each location.
 - a. When the prescribed work is to clear and treat the area around the subject pole / tower with herbicides the work is done during the patrol.
 - b. When the prescribed work is to clear the pole / tower without use of herbicides, the work is conducted generally between the months of April through June.
 - All distribution subject poles / towers are re-cleared as needed between the months of May through August.
 - d. Every distribution subject pole / tower has an associated annual record that documents the patrol and work completed.

3.4 Work Completion

- Bi-weekly, the VC Contractor provides a report of completed VC work on subject poles to the Sr. Vegetation Program Manager overseeing the VC Program. These reports are compared against the original plan and the projected fire season to monitor status and to adjust forecast schedule, if needed.
- 2. As Work Requests are completed by the VC contractor, they are documented in the Pole Clearing Database (PCD) as completed locations.

3.5 Quality Control

 VC work is monitored and audited by sampling, and reviewed for work complete and compliance with PRC 4292 by QA and QC Quality Programs.

Distribution Vegetation Management Standard (DVMS)

4 Quality Control (QC) Program

4.1 Program Description

- The QC program monitors contractor work for accuracy, quality, and contractual conformance.
- To maintain appropriate separation, audits are performed by a separate third-party contractor whose only function in the VM Program is Quality Control.
- There are three primary types of QC audits:
 - Review of PI work complete
 - Review of TC / tree removal work complete
 - Mid-cycle reviews
- Work complete audits verify conformance of completed contractor work to VM contract specifications and VM work procedures.
- 5. During mid-cycle reviews, QC audits line sections to assess whether contractor work was sufficient to maintain regulatory compliance.

4.2 Work Practice and Procedure

 QC work is performed in accordance with VM contract specifications and VM standards and procedures. The progress of QC work is monitored on an ongoing basis by the Sr. Quality Assurance Specialist overseeing the QC Program.

4.3 Work Identification and Completion

- For Routine VM Program, PI and TC work complete audits; audited distribution circuit locations are selected from a computer-generated, randomized list of locations.
 Sample locations are reviewed by the auditor after completion of PI and TC work.
 - a. Auditor completes the field audit by answering a pre-determined set of questions on work quality at each sample location.
 - Review findings are sent to VM Operations.
 - Corrective actions are pre-determined and assigned by the QC database to local operations.
- Mid-cycle line section audits are performed on sections of distribution lines that were worked during routine maintenance, at least five months prior to the audit date.



Distribution Vegetation Management Standard (DVMS)

- a. The start point of a line section review is selected from a computer-generated list of randomized Source Side Devices (SSDs) on those circuits that meet the time criteria.
- b. The auditor completes the audit in the field by identifying any hazard trees which may fail prior to the next scheduled cycle and any trees that will not hold MDR until the next scheduled patrol / pruning.
- The auditor documents findings on field data sheets which are forwarded to local VM Operations.
- As needed, local operations sets requirements for corrective action by the PI or TC.
- VC audits are performed on a random, representative set of PI and VC work complete distribution subject poles in each division.
 - a. The auditor completes the audit in the field by answering a pre-determined set of questions on work quality at each sample location.
 - When the field review for a VC work complete audit is finished, the auditor forwards the findings to the Sr. Vegetation Program Manager overseeing the VC Program.
 - c. As needed, Sr. Vegetation Program Manager overseeing VC will set requirements for corrective action by the VC contractor.

4.4 Quality Control - Contractor

- The QC contractor has an ongoing internal quality control process. On a monthly basis, each QC field technician will have one completed audit reviewed by a QC Supervisor.
- 2. QC Management will require internal corrective actions when necessary.
- QC Management will schedule quarterly meetings with the Sr. Quality Assurance Specialist overseeing QC to analyze review processes.

5 Quality Assurance (QA) Program

5.1 Program Description

- The QA program consists of a team of QA Specialists located throughout the PG&E service territory who perform scheduled audits throughout the year, regardless of planned, pending, or completed inspection and tree pruning / removal work, to ascertain a true "real-time" condition of the system.
 - QA performs an annual assessment to identify areas of higher potential risk, and develops an annual audit plan. Audits are conducted to measure compliance with G.O. 95, Rule 35; PRC 4292 and PRC 4293.

Distribution Vegetation Management Standard (DVMS)

- b. Each audit process uses statistical sampling methods and randomly selects portions of the overhead system to audit for compliance. The auditors perform root-cause analysis on observed compliance issues and any approaching non-compliances, identify trends, and report the results to the Department Director, the Operations Manager, Supervising Vegetation Program Manager (SVPM) and the area Vegetation Program Manager (VPM).
- c. The Supervising Vegetation Program Manager (SVPM) is responsible for taking action to correct identified deficiencies, and communicating required corrective actions to the contractors.
- d. IF a recurring or systemic issue is identified, then VM Operations, working in conjunction with QA, develops a Corrective and Preventative Action Plan (CAPA) for its contractors to reduce or prevent recurrence.

5.2 Planning

- The QA annual work plan is developed annually. Developing the audit plan includes consideration of:
 - Voltage levels
 - Mileage (exposure)
 - Historical VMD tree count by division or area
 - Forecasted tree count by division or area for the upcoming year
 - Historical QA audit results by division or area
 - Contractor make up or recent contract changes
 - Recent changes in process or procedures
- Operations and Governance and Support Managers are solicited for input; the final annual plan is reviewed and authorized by the Department Director.

5.3 Scheduling

 QA audits are performed by the Quality Assurance Specialists (QAS). Each QAS is responsible for scheduling and conducting distribution audits in their areas of responsibility and within the parameters of the annual work plan.

5.4 Work Status

 Each QA audit has an associated Audit Plan which defines the scope and projected timeline of the audit

Distribution Vegetation Management Standard (DVMS)

- Status and work progress monitoring is conducted through weekly update reports which is provided to the QA Program Manager, Operations, and Governance and Support Managers and the area SVPM.
- The weekly report also provides work complete percentages, preliminary findings and any critical observations.

5.5 Work Practice and Procedure

- QA audit practices are consistent with ANSI/ISO/ASQC Q10011 Guidelines for Auditing Quality Systems. A standardized distribution audit process is used that addresses planning, performing, analysis, reporting, communications, corrective action, and follow-up.
- 2. Each audit is independent of the operations work stream and includes all lines and poles in the audit population regardless of the operations work plan.
 - a. Random sampling is used to ensure a statistically valid representation of the audit area.
 - Audit areas are stratified by voltage level; audit locations are randomly selected (MS EXCEL random number generator) and reviewed prior to field work by using satellite and aerial photographic images available through PG&E's Geographic Information System (GIS) and Google Earth.
 - Where available, LiDAR data may also be reviewed and used as part of the audit process.
- Audit transects are entire SSDs including hard taps; the auditor evaluates all vegetation under and adjacent to the audit line.
 - a. In the field, the auditor uses field data sheets to identify and document trees or vegetation that:
 - (1) Are non-compliant with regulations
 - (2) May become non-compliant prior to the next pruning cycle
 - (3) Exhibit signs that may indicate a potential failure into overhead facilities
 - Field data sheets are provided at least weekly to the VPM and SVPM as notice of existing non-compliant locations.
- 4. Upon completion of field work, the auditor performs a root cause analysis for any non compliant or projected non-compliant locations. A final report is submitted to and reviewed by the QA Program Manager. The QA Program manager submits the final report to department Director.

Utility Standard: TD-7102S Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

 Upon receipt of the final report, the SVPM must develop and complete an appropriate CAPA.

5.6 Quality Control

- The QA program has three activities to maintain QC for their work performance:
 - a. Detailed audit processes and flow charts are used to maintain consistency within the QAS group.
 - The QA Program Manager performs periodic evaluations of the audit preparation, related field work and any root cause analysis performed by the QAS.
- 2. All reports are reviewed and approved by the QA Program Manager and authorized by the department Director.

END of Requirements

Utility Standard: TD-7102S

Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

DEFINITIONS

Aerial Patrol – Use of a helicopter or other aircraft with or without LiDAR capability for the purpose of visual inspection of vegetation.

Distribution Underbuild – The presence of electric distribution lines located directly under and parallel with the transmission lines, and attached to the same pole or structure.

Easement (or Right of Way) – For the purposes of this Standard it is the as-built condition of a geographically described strip of land upon which PG&E's electric facilities are constructed, operated and maintained. "Easement" refers specifically to the legal description of that corridor.

Hazard Condition – A vegetation condition affecting transmission or distribution lines which does not pose an imminent threat, but where the condition has the potential to become an imminent threat and is at or encroaching the PG&E clearance distance.

Hazard Trees - Any tree whose height is at or approaching the PG&E Minimum Clearance Requirements (Appendix A).

 All lines: Trees that are dead, show signs of disease, decay or ground or root disturbance, which may fall into or otherwise impact the conductors, towers or guy wires before the next inspection cycle.

Light Detection and Ranging (LiDAR) – Technology used to determine vegetation conditions, predominantly distances and clearances, in relation to the electric conductors and easement boundaries.

Minimum Clearance Requirement – PG&E defined minimum clearance designed to meet or exceed all applicable regulatory requirements at all times.

Orchard – Any commercial-producing orchard. Only includes trees that are part of the production crop.

Orchard Tree – Any commercial-producing fruit or nut tree that is part of a production crop.

Right-of-Way - See Easement

Riparian Area – A geographic area within 25 feet of the high water mark or the top of the bank, including but not limited to steams and watercourses, with or without water during dry season, wetlands, ditches, and ponds.

Refusal – A situation that occurs when a customer / property owner refuses to allow PG&E to perform pre-inspection work or to complete 100% of the work prescribed.

Utility Standard: TD-7102S Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

IMPLEMENTATION RESPONSIBILITIES

The Vegetation Management Document Owner is responsible for the rollout and communication of this Standard as well as the periodic review of this document. Vegetation Management Operations is responsible for the distribution of this Standard.

GOVERNING DOCUMENT

Transmission Vegetation Management Standard

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

General Order 95, Rule 35

Public Resource Code (PRC) 4292

Public Resource Code (PRC) 4293

ANSI/ISO/ASQC Q10011 Guidelines for Auditing Quality Systems

REFERENCE DOCUMENTS

<u>Database Monitoring Procedure</u>

Transmission & Distribution Vegetation Hazard Notification Procedure

Distribution Vegetation Refusal Procedure

Distribution Routine Patrol Procedure (DRPP)

Mapping Procedure

Transmission Routine Patrol Procedure (TRPP)

Project Management Database (PMD) Standardization Guidelines (Dec. 2015)

APPENDICES

Appendix A: Minimum Distance Requirements (MDR)

ATTACHMENTS

NA

DOCUMENT RECISION

NA

Utility Standard: TD-7102S

Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

DOCUMENT APPROVER

Director, Compliance and Risk Management

DOCUMENT OWNER

egetation Program Manager

DOCUMENT CONTACT

Vegetation Program Manager

REVISION NOTES

| Where? | What Changed? |
|-----------------|--|
| Entire document | New document, formatted to GDM requirements. |

Utility Standard: TD-7102S Publication Date: 09/04/2015 Rev: 1

Distribution Vegetation Management Standard (DVMS)

Appendix A: Minimum Distance Requirements (MDR)

| CPUC Rule 35 Applicable at all times (1) (feet) | Santa Barbara County CPUC Rule 35, Table 1, Case 14 (hhh) Applicable in extreme and very high fire threat zones in Southern California at all times (1) (feet) | PRC 4293 Applicable in SRA during fire season (1) (feet) | Potential Line Sag (2) (feet) |
|--|---|---|-------------------------------------|
| 1.5' | 4' | 4' | 1 - 4' |

- 1) Vegetation shall not encroach within the minimum distance at any time between inspection and one year or next scheduled tree work cycle.
- 2) Depending on span length, facility construction and conductor material, potential sag and sway can range from 1' at quarter-span to 4' at mid-span.



CC - Electric Distribution Overhead Inspection

18108421263

Reference Number: Form Name: Submitter Name: Submission Date: Location: 20190606-18108421263 CC - Electric Distribution Overhead Inspection

Jun 6, 2019 10:38:56 AM PDT Larkin Valley Rd, Watsonville, CA 95076, USA Jun 6, 2019 10:38:51 AM PDT [View Map]

HEADER PAGE

Identifying Info

Locate & Select Pole

Division

District

Main Work Center

Plat Map Alpha-Numeric

SAP Equipment ID

PR Notif # (if available)

Type of Structure

Pole Number

Street Address

City

Lat

Long

Date Inspected

Tier 2 or 3 indicator

Inspector User Name

Inspection Location

103828764

CC

COAST 01819 POLES

WTSNVLLE

ED.76-O181900000.STRU.POLE

103828764

116287014

Pole

110536242

Aptos

Jun 6, 2019 5:25:42 AM PDT

Tier2 Wildfire - High

6001 La Madrona Dr, Scotts Valley, CA 95060,

USA

latitude: 37.03581538520477 altitude:

205.05426

longitude: -122.02420150872508 [viewMap]

INSPECTION AND RECORDKEEPING

OH Inspection Information

1. Identified during? (Check One): Wildfire Safety Inspection Program (WSIP)

2. Did you gain access to the Pole? Yes

I gained access to the Pole.

Guidance: Create an EC Notification for a Cannot Get In Condition. The Pin will stay on the Pronto map as a red pin. You may be given instruction on when to return to the pole to gain access to complete the OH Inspection.

Guidance: Select the reason the inspection will not be conducted. No other questions are required. Press Send to submit.

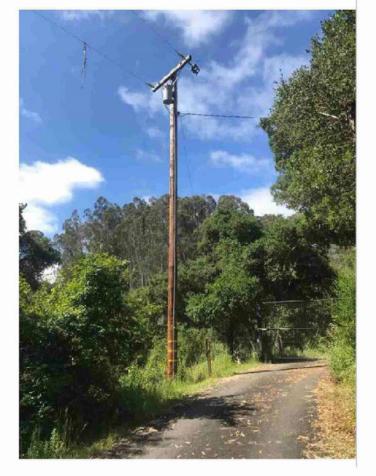
3. Did you perform a visual 360 degree OH Inspection of this Pole?

Yes

I performed a visual 360 degree OH Inspection of this Pole.

Please click the help content icon "?" to view Pole Picture Job Aid

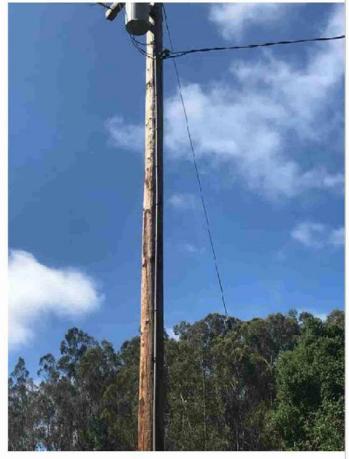
4a. Photo of entire pole



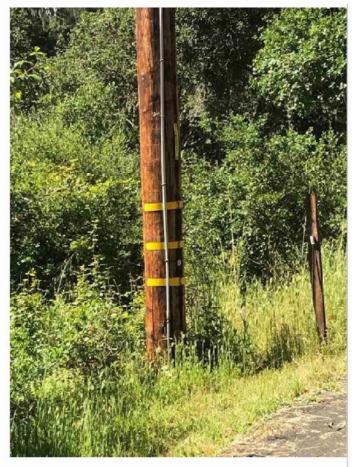
4b. Photo of the top 1/3 of the pole



4c. Photo of the middle 1/3 of the pole



4d. Photo of the bottom 1/3 of the pole



GO165 Note- Follow the GO165 photo capture process.

WSIP Note- Use the Inspect App to create EC Notifications, Third-Party Utility Notifications, Third-Party Non-Utility Notifications.

Photo Requirements:

- (1) Take a close-up photo of each abnormal condition.
- (2) Take a photo to show access point of view of the pole.
- (3) Attach photos.

OH Inspection Field Information

1a. Are Insulators chipped, cracked, corroded, contaminated, flashed, signs of tracking, broken, damage?

No Insulators are in good condition

1b. Are Insulators LAPP-manufactured? (Guidance: Check date nail or Inspect App; if date installed is between 1968 to 1976, (1) Create EC Notification with 2 FDAs, (2) FDA 1: Crossarm / Decayed-Rotten / Replace, (3) FDA

Insulators are not LAPP manufactured

2: LAPP Insulator / Broken-Damaged / Replace.)

2. Are primary and/or secondary insulator(s) squatting?

No

No

3. Connector: Are Mini-Wedge and Insulink connectors used in primary conductor? Or is

there an incorrect use of secondary connectors (mini wedge and Insulink) in primary conductor?

4. Connector: Are connections made with dissimilar metals installed incorrectly? (Guidance: Proper installation is Aluminum over Copper.)

No

No

- 5a. Conductor: Are conductor(s) broken,
 damaged, burnt, corroded, sparking, loose,
 frayed or bird caging? (Guidance: Visually
 check all conductors
 (primary/secondary/service), associated
 attachments and dead-ends for damage
 throughout the entire span. Examples:
 cracked or damaged insulation, arcing or
 burn marks, corrosion, frayed conductor,
 deterioration, annealing, broken strands, bird
 caging, etc. Look for corrosion or other
 damage to conductor and associated Deadend attachments.)
- 5b. Conductor: Does conductor(s) float? No (Guidance: Primary/Secondary. A floater is when the conductor is not attached to the crossarm/pole. This is an Emergency/Standby condition. Call your Lead or Supervisor. Create EC Notification with Priority-A, using FDA Conductor / Floater / Repair.)
- 5c. Conductor: Is service conductor cracked No exposing hotleg? (Guidance: Evaluate service drops looking for cracked or damage insulation exposing hotlegs. If conductor is cracked or damaged to the point where hotleg is exposed, this is an Emergency/Standby condition. Call your Lead or Supervisor. Create EC Notification with Priority-A, using FDA Conductor / Damaged / Repair).
- 5d. Conductor: Does conductor have No automatic splices tied in to close to insulator preventing free movement of splice with conductor? (Guidance: Create EC Notification to repair conductor and relocate splice.)
- 6. Conductor: Are copper conductor (6 or 4 No solid) showing signs of annealing?
- 7a. Conductor: Does either the Primary or Secondary conductor have improper Sag or diminished clearance midspan or uneven conductors, phases touching, or broken at dead end supported by jumper? (Guidance: Any spans with uneven conductor different tension, "bellies" (one is lower than

| conductor next to it - when wind blows it may sway at different rates), then re-sag or install spreader brackets. Create EC for these conditions.) | |
|--|----------------------------|
| 7b. Spreader Brackets: Does open wire secondary conductor have missing spreader brackets for >135 ft span, or for spans that are longer, have spreader brackets every 135'? (Guidance: Create EC Notification to have spreader brackets installed where bucket truck accessible; use line of sight and, if available, foreman-cane or range-finder.) | N/A |
| 7c. Is Vegetation tangled in conductor? (Guidance: Install spreader brackets to ensure 8-inch separation of conduction or clear all vegetation.) | N/A |
| 8. Conductor: Does either the Primary or secondary conductor spans show any signs of arcing or damage indicating previous contact? | No |
| 9. Crossarm: Is Crossarm damaged, broken, burnt, decayed, rotten, loose, missing hardware or show signs of bent bolts or brackets, gun shots, insect damage or wood pecker damage, or splitting that compromises integrity of the Crossarm? | No |
| 10. Poles: Does pole have reduced circumference or deformed? (Guidance: For example, animal, vehicle, vandalism, burnt, shell rot, that has caused a pole circumference reduction needs to be written up on an EC Notification-FDA Pole Overloaded Test.) | No |
| 11. Poles: Is pole damaged, broken, burnt, or shows signs of cracking, or decay? | No |
| 12. Poles: Is Pole leaning more than 10 percent from plumb? | No |
| 13. Poles: Are there Third-Party attachments to a solely-owned Pole? (Guidance: Mapping symbol is a clear circle.) | No |
| 14. Ground: Is ground broken or missing or have corroded connectors? | No |
| 15a. Guy/Anchor Assembly: Is guy/anchor broken, damaged, clearance, corroded, covered by vegetation, overgrown, soileroded, graded or buried, strain or abrasion? | Yes Create EC Notification |
| 15b. Does pole have any unbalanced or unsupported strain at primary or | No |

| communication level? Are necessary guys missing or loose? (Guidance: A "Yes" will trigger a pole loading analysis.) | |
|--|--|
| 16. Hardware/Framing: Is hardware or framing broken, damaged, burnt, improper clearance, bent bolts or brackets, broken insulator pin, improper jumper clearance, or missing? | No |
| 17. Tie Wire: Is hand or preform tie wire broken, damaged, showing signs of wearing, missing, or missing armor rod? | No |
| 18a. Transformer: Is transformer corroded. (Guidance: Create EC Notification using FDA Transformer / Corroded / Replace.) | No |
| 18b. Transformer: Is transformer flashed, arcing, or burnt? (Guidance: Create EC Notification using FDA Transformer / Flashed / Replace.) | No |
| 18c. Transformer: Does transformer show signs of leaking, seeping, or weeping? (Guidance: Create EC Notification using FDA Transformer / Leaks/Seeps/Weeps / Replace.) | No |
| 19. Idle Facility: Is idle facility (conductors and equipment) Energized? (Guidance: FDA is OH Facility / Idle Facility / De-Energize.) | No |
| 20. Dead or Dying Tree/Vine: Has dead or dying trees/vines made contact with the Pole, equipment, and its associated spans and/or could make contact with the Pole, equipment, and its associated spans? | No |
| 21. Tree / Vine: Is there improper clearance on conductor, pole, or crossarm due to vegetation? | Yes Create EC Notification |
| 22. Is there operating equipment at this location without an assigned operating number? (Guidance: Disconnects, cutouts or other equipment.) | No |
| 23. Is a bird nest present that is potentially bridging conductors? | No |
| OH Recordkeeping only | |
| For Transmission Poles with Distribution underbuild is Bridging missing from on this pole? | N/A This is not a Transmission Pole with Distribution underbuild |
| 2. Are there any Tree Connects associated with this Pole? (Guidance: Tree Connects | No |

may include conductors, equipment, and guys.)

- 3. Are there any bolted Kearney connectors No associated with this Pole on primary conductors? (Guidance: Kearney is the brand name for split bolt connector.)
- 4. Are there any bolted PG connectors No associated with this Pole on primary conductors? (Guidance: PG is a parallel grove connector.)
- 5. Are there any Auto-splices on any spans No associated with this pole?
- 6. Are there any Non-Exempt Fuse Cutouts, No Switches, Split Bolt, or Chance Clamps associated with the pole? (Guidance: Look for equipment without snuffing capabilities; expulsion type of fuse; Lightning Arrestors, Switches with no LB's - KPF's, Grasshopper, Porcelain In-line Disconnects; Non-exempt cutouts may eject material.)
- 7. Is there any evidence of animal activity, No nesting, damage or debris associated with the pole?

Note:

- (1) Any condition that is a fire risk due to animal activity; Create EC Notification.
- (2) Any condition that caused a pole circumference reduction needs to be written up on an EC Notification; use FDA Pole / Overloaded / Test.
- (3) Create EC Notification to install animal mitigation if nest is already abandoned; use FDA Animal Mitigation / Mitigation Missing / Install.

No

No

- 8. Are there any improperly installed Chance Clamps associated with the pole? (Guidance: There are no Change Clamps Identify improperly installed chance clamps (no armor rod under chance clamp for conductor smaller than 1/0 or installed incorrectly on tap line supporting more than 2 TXs or used on any other type of equipment (recloser, capacitor, regulator, etc.) other than a transformer. Chance Clamp is a brand name; this is a known as a hot-line clamp.)
- 9. For transformer or equipment poles, are any bushing covers and insulated jumpers missing at this location? (If one or both are missing, enter YES.)
- 10. For transformer poles, are there Bushing Mounted Cutouts associated with the transformer? (Guidance: Inventory transformer poles with Bushing Mounted Cutouts.)

N/A

| 11. Are there Flying Bells installed in the primary at this location? | No |
|--|-----------------------------|
| 12. What is the Pole Branding Height? (Guidance: Measurement from lowest ground level to branding; use feet and inches.) | 3' |
| 13. Is there open wire secondary at this location? | No |
| 14. Is Oil-Filled Transformer and/or Oil-Filled Equipment attached to this pole? | Yes |
| 14a. Is the Oil-Filled Transformer and/or Oil-Filled Equipment showing signs of leaking, seeping, or weeping? (Guidance: Refer the PCB Spill/Leak Matrix to determine your action.) | No |
| 15. Are temporary repairs installed at this location? (Guidance: (1) Inspect pole, its equipment, and associated spans looking for any temp-repairs. (2) When a Temp-Repair is observed answer "Yes"; otherwise, answer "No". (3) Examples of temp-repairs are documented in the Temp-Repair Job Aid.) | No |
| OH Minor Work & Compelling Abnormal Co | onditions |
| Did you observe Compelling Abnormal Conditions for the Pole, equipment, and its associated spans? (Guidance: A Compelling | Yes Check all that apply |

EC Notification (in Inspect)

No

Enter Minor Work using Inspect App

2. Did you perform Minor Work?

1a. (Check all that apply)

Abnormal Condition is a field condition that needs to be addressed in the next five (5)

years.)



Infrared Inspection Log

1/06 F12022-2

| Inspector: | | Date: | | 10/ | 15/2018 |
|---------------|---------------|----------------|--------------|--------|---------------------|
| Total Miles: | 39.091 | Miles Scanned: | | 39.091 | Steel 198 , Sand Gr |
| Headquarters: | Central Coast | Circuit#: | ROB ROY 2104 | Мар#: | N19 |
| Remarks: | | | | | |

 $\ensuremath{\checkmark}$ All inspected facilities have no abnormal conditions found.

| ITEM# | LOCATION | ABNORMAL CONDITION (Description of what was found) | NOTIFICATION # |
|-------|----------|--|----------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

VEGETATION MANAGEMENT INCIDENT REPORT FORM

* Use for VM investigations to report the details of all vegetation-related fires.

* DO NOT USE FOR ROUTINE OUTAGE INVESTIGATION

* CONFIDENTIAL REPORT: FOR USE BY PG&E ATTORNEYS ONLY

| 4 | . G | IED | Λ | | IEO | DI | ЛΛ | TI | | NΙ |
|---|-----|-------|---|------|------|-------|-----|----|---|----|
| | . ч | M E M | м | _ 11 | VIFU | יוורו | IJ₽ | | u | N |

| Type of Incident | FIRE: Significant X Non-Signi | ificant 🗌 (| CPUC EIR X LE-38 | | | | |
|---|---|--------------------------|--|----------------------|--|--|--|
| Report Numbers | ILIS Outage # 21-0010951 | <i>EIR</i> # EI21 | I0119B <i>Law-Clain</i> | าร # | | | |
| | | | | | | | |
| Date & Time Repo | rted: | Date & Time of Incident: | | | | | |
| Date <u>1/20/21</u> Tir | me <u>1300</u> | | 01/19/21 15:18 | | | | |
| VM Investigator na | ame: | | Telephone number: | | | | |
| Company name: P | G&E | | | | | | |
| GPS coordinates: | | | VM Division: Centr | al Coast | | | |
| Fire agency: CAL F | | | Fire agency name: | <u>(same)</u> | | | |
| Fire responsibility | area: LRA 🗌 SRA X FRA 🗌 | | | | | | |
| Customer name: | | | Telephone number: | | | | |
| Customer address: | | | Location of Incident | | | | |
| | Aptos, Santa Cruz County | | Nearest cross street | | | | |
| | 3692104, ROB ROY-2104 | | SSD: 9975 | Voltage: <u>12kV</u> | | | |
| Primary X Second | | | Tree wire present | ¬ | | | |
| | Single-phase crossarm | | rice wire present | | | | |
| construction type. | <u>omgro phase creasarm</u> | | | | | | |
| 2. TREE INFORMA | ATION | | | | | | |
| Z. THEE IN OTHER | 111011 | | | | | | |
| Incident location for | ound: X YES NO | | | | | | |
| Tree species: Mon | | DBH: 38in | Height: 100ft | | | | |
| Tree condition: De | | | failure X Partial failure | | | | |
| | nductor clearance: 25-30ft | | ribed clearance: <u>NA</u> | | | | |
| Date last inspected | | | company: Davey Re | source Group | | | |
| Dater last worked: | | _ | any: <u>Davey Tree Sur</u> | • | | | |
| | ection: Routine PI FCST 03/21 | Work requ | | gery | | | |
| Tiumica next mspe | HOURING TIT OCT COTET | Work roqu | CSC 111. <u>IVA</u> | | | | |
| 3. VM INVESTIGA | ATION (Attach copies of app | propriate d | ocumentation) | | | | |
| 01 111111111111111111111111111111111111 | (Autuon copies of up) | or opriate a | - Countries of the country of the co | | | | |
| Describe incident i | n detail (Attach sketch/photos/ | map): | | | | | |
| Was evidence secu | - | | ype of evidence secu | red (branch, photos, | | | |
| | or | etc) photo | • • | | | | |
| Fire size: 40 acres | | Fire-suppr | ession operations: G | round X Air | | | |
| | LIMIT DESCRIPTION TO F | ACTS. DO | NOT SPECULTATE | <u>.</u> | | | |
| | | | | | | | |
| Describe vegetation | -related incident and/or outage | : Extreme h | nigh wind event. | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Describe vegetation | sandition: Observed live book | thu aroon N | Aontorou Dino foiled s | at farkad tan | | | |
| _ | condition: Observed live, healt above ground. Tree located abo | - | - | • | | | |
| αρρισχιπαισιγ τοιι ε | above ground. Tree located abo | ut miu span | on ena span or two- | span tap. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Rev. 05/01/2014 Page 1 of 2

| 3. VM INVESTIGATION (continued) | |
|---|--|
| | |
| Identify any Property Damage or Injury: Observed value (approximately 100ft past tree). | wire down on end span at driveway crossing |
| | ! |
| | ! |
| | |
| | |
| 4. SUBJECT POLE INFORMATION (PRC 4292 e | events) |
| Cubicot nole tag sh | |
| VM pole number: Subject pole tag sh Date last cleared: | |
| Date last cleared: Does pole appear to be in compliance? | VC company: Non-exempt equipment type: |
| Comments: | VMA/VMN? |
| Confinence. | VIVIA/ VIVIA: |
| TO UNITED THE INTERPRETATION / Inint Pole | |
| 5. SUBJECT POLE INFORMATION (Joint Pole | events) |
| Joint pole: Yes ☐ No X | Joint pole number: |
| voint poie. 160 🗀 160 🗡 | John Pole Humber. |
| 6. THIRD PARTY INFORMATION | |
| <u> </u> | |
| Third party: Caused Injury | |
| Third party name: | Telephone number: () |
| Third party address: | |
| Third party response: | |
| | |
| Witness name: | |
| Witness address: | Telephone number:() |
| Witness comments: | |
| | |
| TO DESCRIPTION OF THE PARTY | |
| 7. VM CONTRACTOR INVOLVED EVENTS | |
| Was a VM contractor involved in this incident? | PG&E VM Contractor Caused? |
| | Contract employee name: |
| Contractor name: Contractor response: | Contract employee name. |
| Contractor response. | |
| | |
| 8. ADDITIONAL INFORMATION | |
| | |
| Case number: (Keep copies of cases received | |
| EC Tag(s) #: | LE 38 Number: |
| LE 38 issued? | Number: |
| Citation issued? | Contact Information: |
| Comments: | |

Rev. 05/01/2014 Page 2 of 2













Aptos – Media

EIR No.: EI210119B

Date of Event: January 19, 2021

Date Reported to the CPUC: January 20, 2021

CAP Issue No(s).: <u>120453562</u>

Report Rev: 01



TABLE OF CONTENTS

| 1. | Executive Summary | 3 |
|----|--|---|
| | Event Summary | |
| | 2.1 Event Timeline | |
| 3. | Observations & Event AnalysiS | 4 |
| | 3.1 Field Observations | 4 |
| | 3.2 GO 165 Patrol and Inspection Analysis | 6 |
| | 3.3 Vegetation Management | 7 |
| | 3.4 Meteorology Analysis | 7 |
| 4. | Hazard-Barrier Analysis | 8 |
| 5. | Previously Completed Reports and Data Requests | 9 |

1. EXECUTIVE SUMMARY

On January 19, 2021 at 0745 hours, PG&E identified an outage on the Rob Roy 2104 12kV Distribution Circuit in a Tier 2 HFTD near in Aptos, California ("Incident Location"). At 0915 hours, CAL FIRE Dispatch notified PG&E Dispatch and a scheduling supervisor of a vegetation fire ("Freedom Fire") possibly associated with the outage. A PG&E utility worker arrived on site at 1000 hours and requested a PG&E troubleman for additional support. The troubleman arrived at the Command Post at 1200 hours but was not able to safely gain access to the Incident Location until 1515 hours. A PG&E-hired contract crew repaired the damaged conductor on January 20, 2021.

PG&E reported this incident to the CPUC in a timely manner on January 20, 2021, at 1250 hours under media criteria guidelines after a CAL FIRE press release that mentioned multiple fires, including this one. At the time of this report, CAL FIRE has not yet completed its investigation report for this fire.

Analysis for this event included field observations, GO165 patrol and inspection analysis, vegetation management analysis, and meteorology analysis.

Based on the investigation of this incident, PG&E observed that the fallen tree ("Incident Tree") appeared healthy at the time of failure. PG&E believes the Incident Tree failed due to extreme weather conditions. A hazard-barrier analysis was performed, and no corrective/general actions, as well as potential non-conformances/non-compliances were identified.

This report concludes PG&E's investigation into this incident. Unless otherwise noted herein, where there are conflicts between this report and previous PG&E reports related to this incident, this report shall take precedence. If additional information becomes available with the potential to affect the conclusions of this investigation, PG&E reserves the right to re-open this investigation. All times and measurements contained herein are sufficiently accurate for the purposes of this investigation.

2. EVENT SUMMARY

Please refer to the 20-Day Report submitted to the CPUC on February 18, 2021.

2.1 Event Timeline

January 19, 2021

- 0743 hours—PG&E records First No Light (FNL) for the incident outage.
- 0915 hours—CAL FIRE Dispatch notifies PG&E Dispatch and scheduling supervisor.
- 1000 hours—PG&E utility worker arrives on site and requests troubleman assistance.
- 1200 hours—PG&E troubleman arrives at the incident Command Post.
- 1515 hours—PG&E troubleman gains access to the Incident Location.

January 20, 2021

- 1300 hours—Vegetation Management (VM) conducts inspection with supervisor.
- 1950 hours—PG&E crews replace conductor and restore service.
- 2150 hours—PG&E reports the incident to CPUC under Media and Significant Public Interest criteria.

January 21, 2021

• CAL FIRE reports that the Freedom Fire is 100% contained at 37 acres.

3. OBSERVATIONS & EVENT ANALYSIS

Analysis for this event included field observations, GO165 patrol and inspection analysis, vegetation management analysis, and meteorology analysis.

3.1 Field Observations

Upon arrival, the troubleman observed a fallen tree ("Incident Tree") and saw that one of two conductors on a single-phase span was down between two poles. The tree appeared to have failed and fell through the conductor mid-span causing it to come down. The ensuing fire, which CAL FIRE suppressed, burned until January 21, 2021 and was approximately 37 acres in size and there were no injuries, fatalities, or structure damage reported. The troubleman examined the upstream fuse and saw that it was open which had resulted in the loss of power for three customers. The troubleman made the area safe by cutting the downed conductor and created a repair tag for a restoration crew.

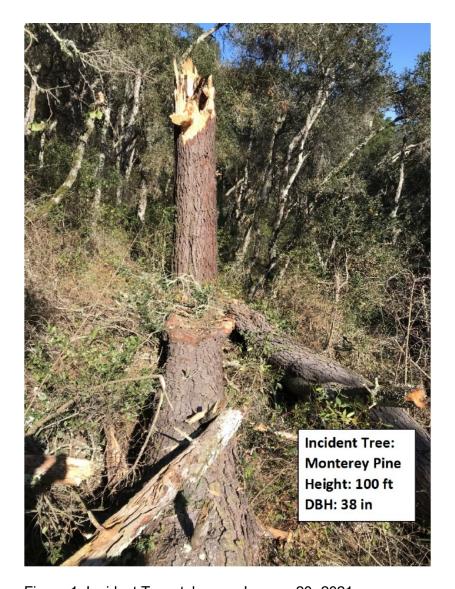


Figure 1: Incident Tree, taken on January 20, 2021



Figure 2: Incident Tree, taken on January 20, 2021

3.2 GO 165 Patrol and Inspection Analysis

The most recent GO 165 inspection¹ was performed in May of 2020 and did not identify any issues in this part of the line requiring corrective action. During the inspection, PG&E identifies trees within four feet of a primary line and this tree was 25-30 feet away from the primary line.

¹ Attachment 04_2019 GO165 inspection records_CONF.pdf

3.3 Vegetation Management

On January 20, 2021, a PG&E vegetation management team member observed the Incident Tree to be a 100-foot tall, 38-inch diameter live, healthy, and green Monterey Pine that failed at a forked top 20 feet above ground. The base of the Incident Tree was situated about 25 to 30 feet to the side of the conductors, outside the PG&E right of way. Prior to the incident, PG&E Vegetation Management last inspected the span where the Incident Tree appeared to have failed on March 25, 2020 in accordance with PG&E procedures. The Incident Tree was not included in PG&E's Vegetation Management Database as having ever been identified for work. There was a CEMA inspection done in October of 2020 and the tree was not identified through the CEMA inspection process since it appeared to be green and healthy.

3.4 Meteorology Analysis

At the time of the incident, much of PG&E's service territory was experiencing a major wind event and PG&E executed a Public Safety Power Shutoff ("PSPS") in certain areas, although not in the area where the Incident Tree fell. In the Santa Cruz area, windy and dry conditions were observed with sustained winds between 19-23 MPH and wind gusts in excess of 40 MPH were recorded.

4. HAZARD-BARRIER ANALYSIS

A hazard-barrier analysis was performed, and no corrective/general actions, as well as potential non-conformances/non-compliances were identified.

| Hazard | Vegetation coming in contact with PG&E facilities | | | | | | | |
|---------------------|---|---|--|--|--------|--|--|--|
| Target | Fire ignition source du | Fire ignition source due to vegetation coming in contact with PG&E facilities | | | | | | |
| Barrier | Objective | Expected Performance | Expected | Did Barrier Contribute to Incident | Defect | | | |
| P&I Records | nonconformances with | Inspection or patrol would dentify any issues with PG&E equipment | Yes. Patrols and nspections were performed on schedule and no issues identified. Most recent Patrol was March 2020. | No | None | | | |
| | nonconformances with | equipment | Yes. WSIP inspections took place on May 18, 2019 and did not find any compelling issues. | No | None | | | |
| CEMA Inspections | trees that could fall nto primary or | Inspection would identify any dead or dying trees and mark them for removal. | Yes. CEMA inspection took place on October 10, 2020. The "Incident Tree" was green, alive and healthy and therefore not identified through the CEMA nspection process. | No | None | | | |
| | need work | Inspection would identify any vegetation that could cause a potential hazard. | Yes. The "Incident Tree" was 25-30 feet to the | No | None | | | |

5. PREVIOUSLY COMPLETED REPORTS AND DATA REQUESTS

20-Day Report

20-Day Report_El210119B - Aptos - Media_CONF.pdf, submitted to the CPUC on February 18, 2021

Attachment 01 2018 GO165 patrol records CONF.pdf

Attachment 02 2020 GO165 patrol records CONF.pdf

Attachment 03 2014 GO165 inspection records CONF.pdf

Attachment 04_2019 GO165 inspection records_CONF.pdf

Attachment 05_Weather Station Data.pdf

Attachment 06_2019 VM Inspection_CONF.pdf

Attachment 07_2020 VM Inspection_CONF.pdf

Attachment 08 ILIS 21-0010951 CONF.pdf

Attachment 09 A Tag 120447914 CONF.pdf

Attachment 10 Photos CONF.pdf

Attachment 11 Incident Diagram CONF.pdf

Attachment 12 Cal Fire Press Release. 01-20-2021.pdf

Data Request

PGE – Data Request 1 – El210119B – Aptos – Media.pdf, submitted to the CPUC on May 24, 2021

Attachment 01 Q01 SM IntervalData Aptos Media CONF.xlsx

Attachment 02 Q01 SM EventData Aptos Media CONF.xlsx

Attachment 03 Q02 Protective Device SLD.pdf

Attachment 04 Q03 Device Settings-Rob Roy 2104.pdf

Attachment 05 Q05 SCADA, Event Logs, Load Readings.pdf

Attachment 06 Q06 PSPS Report Letter-01.19.21.pdf

Attachment 07 Q11 Pole 2 Detail Report CONF.pdf

Attachment 08 Q11 Pole 3 Detail Report CONF.pdf

Attachment 09_Q14_VM Incident Report Form_CONF.pdf

Attachment 10_Q19_Additional Photos.pdf

Attachment 11_Q20_TD-7102P-01_CONF.pdf

Attachment 12_Q20_TD-7102P-23_CONF.pdf

Attachment 13 Q20 TD-7102S CONF.pdf

Attachment 14 Q21 Att 2 Reporting Criteria Decision Matrix.pdf

Attachment 15_Q22_20210120 UIQ Events_CONF.pdf

Attachment 16_Q22_ProcessedEvents_FreedomFire_CONF.xlsx

Attachment 17 Q22 Rob Roy ILIS Outage History 1-19-21 CONF.pdf

Attachment 18_Q22_T005172263_CONF.pdf

CAL FIRE Request: Freedom Fire - El210119B - Aptos – Media, submitted to CAL FIRE on November 23, 2021

PGE-FRDM-CF-VOL001.zip

Freedom Fire – SED-003, submitted to SED on February 28, 2022 and March 11, 2022

PGE-CPUC_02282022_SED_003_Freedom Fire.zip PGE-CPUC_03112022_SED_003_Freedom Fire.zip

PACIFIC GAS AND ELECTRIC COMPANY CPUC – SED Data Request Freedom Fire - SED-005 Supplemental Response

Requesters: Martha Perez and Desmond Lew

Request Date: February 28, 2023 Response Date: March 24, 2023

Question No. 001:

Provide the total dollar amount that PG&E has paid and/or estimates that it will pay for damages to PG&E property. If this information is not yet available, please indicate approximately when it will be available, and provide it when it becomes available.

Response to Question No. 001 Response No. 002:

As explained in our prior response provided on March 7, 2023, we are not able to separately break out the costs associated with the repair of the conductor because those costs were charged to the expense order covering all work done in response to the January 2021 wind event. However, the notification to repair the conductor indicates that the work involved replacing conductor ("500" of #6 copper") and approximately 36 hours of contract crew time.

We estimate that the cost of the repair work, including material and labor, was approximately \$5,650. Please note that this value represents a reasonable estimate of the cost of repairs associated with the conductor, but we do not assert that this is the true and correct amount paid to repair damages associated with the fire.