

Fault Location Report

OneLiner version:, 14.8

Date and time:, Wed Sep 16 16:26:13 2020

OneLiner file:, C:\Users\ (b)(6) \Documents\Justin's Documents\Aspen Databases\Version 14 Databases\BP20-01A.olr

Length unit:, mi

Remote line end opened:, YES

Maximum fault R (ohm):, 50

Start search from:, HOLDEN CREEK 115.kV - 40119 BLUE RIV TAP 115.kV 1 L  
CUGR-HOCR-1

,EVENT\_FILE,TIME\_STAMP,RLYGR\_BUS1,RLYGR\_BUS2,KV,CKTID,VA\_M,VA\_A,VB\_M,VB\_A,VC\_M,VC\_A,IA\_M,IA\_A,IB\_M,IB\_A,IC\_M,IC\_A

"Recorded fault phasor set (kV L-N, Pri. A)", "W:\TFED\1\_SPC\_Information\Fault Data\2020 Faults\9-7-2020 Cougar-Holden Creek 115kV #1\HOLDEN CREEK PCB 7170\_80 SEL-421-4 EVE 2.CEV", 2.13233 sec (128. cycles), HOLDEN CREEK, BLUE RIV TAP, 115., 1, 46.7903, -166.994, 45.8177, 106.809, 68.1659, -30.7865, 1795.46, 165.089, 1778.41, -15.224, 20.8806, 16.6992,

"Recorded pre-fault phasor set (kV L-N, Pri. A)", "W:\TFED\1\_SPC\_Information\Fault Data\2020 Faults\9-7-2020 Cougar-Holden Creek 115kV #1\HOLDEN CREEK PCB 7170\_80 SEL-421-4 EVE 2.CEV", 1.48858 sec (90. cycles), HOLDEN CREEK, BLUE RIV TAP, 115., 1, 67.7298, -13.2381, 68.2473, -133.225, 68.11, 106.277, 19.2354, 27.8973, 18, -90, 21.095, 148.57,

", "PCNT", "DIST", "LINE\_FROM", "LINE\_TO", "KV", "CKTID", "VA\_M", "VA\_A", "VB\_M", "VB\_A", "VC\_M", "VC\_A", "IA\_M", "IA\_A", "IB\_M", "IB\_A", "IC\_M", "IC\_A", "TOTALOHM", "TOTALMILES", "FLT\_TYPE", "FLT\_R", "AUTO", "APPZ", "REACTANCE", "TAKAGI", "ERIKSSON", "NOVOSEL"

"Located fault site #1", "28.684", "1.0412", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "49.80727279716853", "-17.428862378937566", "49.20431747744837", "-102.83247397510729", "72.764095505091461", "120.19131982761576", "1935.4735079965446", "-48.554697357286997", "1928.6284840608412", "130.35871985303629", "37.273582385812979", "-149.67952077699667", "17.3783", "22.551", "AB", "0.", "N/A", "N/A", "N/A", "A", "N/A", "N/A"

"Located fault site #2", "28.996", "1.0526", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "49.8126241382896", "-17.421996691275027", "49.209841610410415", "-102.8392442148137", "72.76409572910606", "120.19131678144025", "1934.9382593559635", "-48.55440662082745", "1928.092986834117", "130.35869057431509", "37.274251950968662", "-149.67958620034722", "17.3872", "22.563", "AB", "0.", "N/A", "N/A", "A", "N/A", "N/A", "N/A"

"Located fault site #3", "29.621", "1.0753", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "49.823320042925097", "-17.408281003595217", "49.220879682092473", "-102.85276965487003", "72.764093381055702", "120.19131202407299", "1933.8688982356075", "-48.553830261633195", "1927.0232668735812", "130.35863229712194", "37.275391894961089", "-149.67956034792908", "17.4052", "22.585", "AB", "0.", "N/A", "N/A", "N/A", "N/A", "A", "N/A"

"Located fault site #4", "30.871", "1.1206", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "49.844691983574037", "-17.380909683075689", "49.242928376443231", "-102.87975949254458", "72.764091671648359", "120.19130633708237", "1931.7336440124786", "-48.5526795041486", "1924.8871162228058", "130.35850829599832", "37.277879329656201", "-149.67973317521509", "17.441", "22.631", "AB", "0.", "A", "N/A", "N/A", "N/A", "N/A", "N/A"

"Located fault site #5", "32.434", "1.1773", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "50.718596116794174", "-17.929439828593217", "48.694885031920705", "-103.85501654316809", "72.763508104906464", "120.19385772612318", "1919.2643818202966", "-46.6056702511002", "1911.3192434788616", "132.30591290579645", "37.240537858225494", "-149.46785232317436", "17.4859", "22.687", "AB", "0.791", "N/A", "A", "N/A", "N/A", "N/A", "N/A"

Fault Location Report

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CUGR-HOCR-1

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"Recorded prefault phasor set (kV L-N, Pri. A)", "W:\TFED\1\_SPC\_Information\Fault Data\2020 Faults\9-7-2020 Cougar-Holden Creek 115kV #1\HOLDEN CREEK PCB 7170\_80 SEL-421-4 EVE 2.CEV", 1.63025 sec (98. cycles), HOLDEN CREEK, BLUE RIV TAP, 115., 1, 67.7487, 166.731, 68.2606, 46.7512, 68.1208, -73.7519, 18.3576, -150.642, 19, 90, 21.095, -31.4296,

", "PCNT", "DIST", "LINE\_FROM", "LINE\_TO", "KV", "CKTID", "VA\_M", "VA\_A", "VB\_M", "VB\_A", "VC\_M", "VC\_A", "IA\_M", "IA\_A", "IB\_M", "IB\_A", "IC\_M", "IC\_A", "TOTALOHM", "TOTALMILES", "FLT\_TYPE", "FLT\_R", "AUTO", "APPZ", "REACTANCE", "TAKAGI", "ERIKSSON", "NOVOSEL"

"Located fault site #1", "29.309", "1.0639", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "49.650105951349822", "-17.165919936001", "48.987231684339484", "-103.02263561348624", "72.224251138260712", "120.26387953894846", "1930.9751808182473", "-49.086305080187984", "1930.8423049362164", "130.89270609816148", "0.71971035954502405", "-149.7360170798548", "17.3962", "22.574", "AB", "0.", "N/A", "N/A", "A", "A", "A", "N/A"

"Located fault site #2", "29.309", "1.0639", "BLUE RIV TAP", "CARMEN TAP", "115.", "2", "50.789537738648349", "-17.861191610529406", "48.301373323711289", "-104.31275266828419", "72.223742839642355", "120.26501747354162", "1913.2019485618077", "-46.56983132173643", "1913.0381121470259", "133.4091762373437", "0.71983511995559013", "-149.73630078125962", "17.3962", "22.574", "AB", "1.4596", "A", "A", "N/A", "N/A", "N/A", "N/A"







15/2



**15-3**

Some charring around base and up the cracks







**15-2**

B pole is completely trash burnt all the way up.  
Guessing 75 ft pole.











15/3

15/2





15/3



15/2





15/4

15/4



## 15-4

A pole is completely gone.

B pole will also need to be change

Pole size 45

Truss arm











15/4



15/5





15/5

15/5





15/5

15/5



## 15-5

A and c pole are completely destroyed.

B pole is questionable shows some fire damage up it.

Glass and wire look good.















17/1



17/1







17-1

Totally destroyed











17/6



**17-6**

B pole is burnt to the top x brace.













17/6



17/6

18/1



**18-1**

A and b pole have some charring.

Guy brace from b pole to c pole has burnt away.









18/1



**From:** Wenzl,Nicholas J (BPA) - TFEF-ALVEY

**Sent:** Fri Sep 18 08:40:31 2020

**To:** Nuno,Juan C (BPA) - TELD-TPP-3; Hatley,Matt (BPA) - TELP-TPP-3

**Cc:** Miller,Kelly L (BPA) - TELD-TPP-3; Gentry,Natasha A (BPA) - TELC-TPP-3; Fredrickson,Erik E (BPA) - TELP-TPP-3; O'Brien,Cymany C (BPA) - NSLM-WHSE; Bir,Sarah A (BPA) - NSSM-4400-2; Zak,Todd A (BPA) - TELP-TPP-3

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

**Importance:** Normal

**Attachments:** 20200914\_104207001.jpg; 20200914\_104033.jpg; 20200914\_104105.jpg; 20200914\_104151001.jpg; 6.5 tower.jpg; image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg; image007.png

So we need these 6 pieces and should be good.

4 - IOL 236

1 – IOL 235

1 – IOL 247

**From:** Nuno,Juan C (BPA) - TELD-TPP-3 <jcnuno@bpa.gov>

**Sent:** Thursday, September 17, 2020 10:26 AM

**To:** Hatley,Matt (BPA) - TELP-TPP-3 <mwhatley@bpa.gov>; Wenzl,Nicholas J (BPA) - TFEF-ALVEY <njwenzl@bpa.gov>

**Cc:** Miller,Kelly L (BPA) - TELD-TPP-3 <klmiller@bpa.gov>; Gentry,Natasha A (BPA) - TELC-TPP-3 <nagentry@bpa.gov>; Fredrickson,Erik E (BPA) - TELP-TPP-3 <eefredrickson@bpa.gov>; O'Brien,Cymany C (BPA) - NSLM-WHSE <ccobrien@bpa.gov>; Bir,Sarah A (BPA) - NSSM-4400-2 <sabir@bpa.gov>; Zak,Todd A (BPA) - TELP-TPP-3 <tazak@bpa.gov>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Hi All,

I talked with Nick this morning and we decided the best course of action was to have the damaged pieces fabricated (leg extension pieces). Nick assessed the tower damage and believes it's not an immediate emergency but we need to do something soon, hopefully within a month or so. He will be identifying the required pieces and I'll produce an MR and work with Sarah on getting him the material ASAP.

Erik, what WO should we use for this. Should we use WO 525144 for CUGR-HOLD-1that you sent out or is this only for structure 6/1 replacement? Please advise.

Thank you.

**Juan Carlos Nuño**

Civil Engineer (Structural) | TELD

**Bonneville Power Administration**

[bpa.gov](http://bpa.gov) | O 360-619-6594 | C (b)(6)

<https://twitter.com/bonnevillepower>

**From:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:58 PM  
**To:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>; Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Looks like the only difference is length, they are the same type of L member. You would have to do some field fabrication and drilling cannibalizing 6/1. That's a structural call- Juan?

**From:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:42 PM  
**To:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>; Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Those pieces don't look to terrible can we look at having them produced?

**From:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:31 PM  
**To:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>; Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

According to the SL 6/1 and 6/5 are the same structure type but 6/1 has 17.5' legs while 6/5 has 27.5' legs. I don't think it would be possible but I didn't look at the leg drawings.

**From:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:19 PM  
**To:** Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>; Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) -



TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien,Cyman C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

We also have a slightly bent tower at 6/5. I think the parts are replaceable. Can anyone tell me if the structure we just replaced at 6/1 would be a good cadaver we could rob from for 6/5? Only one side of 6/5 had damaged steel, that included 2 legs.

**From:** Nuno,Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Sent:** Friday, September 11, 2020 12:22 PM  
**To:** Wenzl,Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Cc:** Hatley,Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>; Miller,Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry,Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson,Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien,Cyman C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Nick,

We've looked at replacing the damaged lattice tower, 6/1, with a wood pole structure. The structure replacement will actually work as a permanent replacement. We will require a type 22WA-WSH-C1 (double x-arm) with X-brace and Class 1 80' poles. The structure drawing is attached and Cymany is working on MR's for the material, except for the poles. The material catalog shows you have (4) Class 1 80' poles.

Let me know if you have any questions or need anything else. Stay Safe.

**Juan Carlos Nuño**

Civil Engineer (Structural) | TELD

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**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

I just gave Nick a call as a follow up and, if possible, he would like the materials today so they are ready to go in the morning. He has class 1 poles in stock (depending on height). He understands the solution may be temporary and is willing to change out later if needed.

Kelly

**Kelly L. Miller, RLS, EIT**

Supervisory Civil Engineer | Transmission Structural & Civil Engineering TELD-TPP-3

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**From:** Gentry,Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>

**Sent:** Friday, September 11, 2020 9:52 AM

**To:** Miller,Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Fredrickson,Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>

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**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Kelly,

Matt Hatley has been assigned to help on this.

Thank you!

Natasha

**From:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>  
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**Subject:** CUGR-HOLD-1 Emergency Fire Replacement  
**Importance:** High

Good morning-

I just got off the phone with Nick Wenzl. 6/1 on CUGR-HOLD-1 has been heavily damaged by fire. He would like to replace the lattice tower with a wood pole structure tomorrow. He is also requesting the following materials be delivered tomorrow as well:

- 4000' Flamingo wire
- 12 sets of armor rods
- 12 shoes
- 12 sets of repair rods

Juan is assisting with this request and will also need wire tensions and pole heights. Since this is going up in a

hurry, I am viewing this as a temporary solution with the hope that it will meet a permanent need.

Natasha- can you please assign someone right away to address this? Juan is on hold until he hears from TELP.

Erik- is this a situation for an emergency WO or should we just use expense?

Everyone's immediate attention to this is greatly appreciated!!!

Kelly

**Kelly L. Miller, RLS, EIT**

Supervisory Civil Engineer | Transmission Structural & Civil Engineering TELD-TPP-3

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[bpa.gov](http://bpa.gov) | P 360-619-6948 | C (b)(6)

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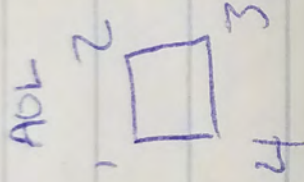




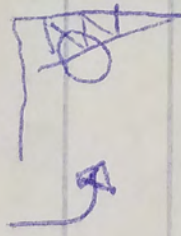




b/s



Leg 1 - 10L 236



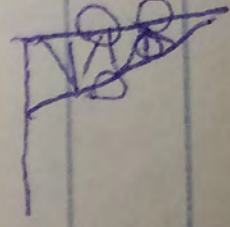
Leg 2 - 10L 236

Leg 3 - 10L 236

Leg 4 - 10L 235 - 00

10L 236

10L 247



**From:** Hatley, Matt (BPA) - TELP-TPP-3

**Sent:** Wed Sep 16 14:57:45 2020

**To:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY; Nuno, Juan C (BPA) - TELD-TPP-3

**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3; Gentry, Natasha A (BPA) - TELC-TPP-3; Fredrickson, Erik E (BPA) - TELP-TPP-3; O'Brien, Cymany C (BPA) - NSLM-WHSE

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

**Importance:** Normal

**Attachments:** image008.jpg; image009.jpg; image010.jpg; image011.jpg; image012.jpg; image013.jpg; image001.png

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**Sent:** Wednesday, September 16, 2020 2:42 PM

**To:** Hatley, Matt (BPA) - TELP-TPP-3 <mwhatley@bpa.gov>; Nuno, Juan C (BPA) - TELD-TPP-3 <jcnuno@bpa.gov>

**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3 <klmiller@bpa.gov>; Gentry, Natasha A (BPA) - TELC-TPP-3 <nagentry@bpa.gov>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <eefredrickson@bpa.gov>; O'Brien, Cymany C (BPA) - NSLM-WHSE <ccobrien@bpa.gov>

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Those pieces don't look to terrible can we look at having them produced?

**From:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:31 PM  
**To:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>; Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

According to the SL 6/1 and 6/5 are the same structure type but 6/1 has 17.5' legs while 6/5 has 27.5' legs. I don't think it would be possible but I didn't look at the leg drawings.

**From:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Sent:** Wednesday, September 16, 2020 2:19 PM  
**To:** Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Cc:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>; Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

We also have a slightly bent tower at 6/5, I think the parts are replacable. Can anyone tell me if the structure we just replaced at 6/1 would be a good cadaver we could rob from for 6/5? Only one side of 6/5 had damaged steel, that included 2 legs.

**From:** Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>  
**Sent:** Friday, September 11, 2020 12:22 PM  
**To:** Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Cc:** Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>; Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>; O'Brien, Cymany C (BPA) - NSLM-WHSE <[ccobrien@bpa.gov](mailto:ccobrien@bpa.gov)>

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Nick,

We've looked at replacing the damaged lattice tower, 6/1, with a wood pole structure. The structure replacement will actually work as a permanent replacement. We will require a type 22WA-WSH-C1 (double x-arm) with X-brace and Class 1 80' poles. The structure drawing is attached and Cymany is working on MR's for the material, except for the poles. The material catalog shows you have (4) Class 1 80' poles.

Let me know if you have any questions or need anything else. Stay Safe.

**Juan Carlos Nuño**

Civil Engineer (Structural) | TELD

**Bonneville Power Administration**

[bpa.gov](http://bpa.gov) | O 360-619-6594 | C (b)(6)

<https://twitter.com/bonnevillepower>

**From:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>

**Sent:** Friday, September 11, 2020 10:22 AM

**To:** Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>;

Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>

**Cc:** Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>; Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>; Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>

**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

I just gave Nick a call as a follow up and, if possible, he would like the materials today so they are ready to go in the morning. He has class 1 poles in stock (depending on height). He understands the solution may be temporary and is

willing to change out later if needed.

Kelly

**Kelly L. Miller, RLS, EIT**

Supervisory Civil Engineer | Transmission Structural & Civil Engineering TELD-TPP-3

**Bonneville Power Administration**

[bpa.gov](http://bpa.gov) | P 360-619-6948 | C (b)(6)

<https://twitter.com/bonnevillepower>

**From:** Gentry, Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>  
**Sent:** Friday, September 11, 2020 9:52 AM  
**To:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>; Fredrickson, Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>  
**Cc:** Nuno, Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>; Wenzl, Nicholas J (BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>; Hatley, Matt (BPA) - TELP-TPP-3 <[mwhatley@bpa.gov](mailto:mwhatley@bpa.gov)>  
**Subject:** RE: CUGR-HOLD-1 Emergency Fire Replacement

Kelly,

Matt Hatley has been assigned to help on this.

Thank you!

Natasha

**From:** Miller, Kelly L (BPA) - TELD-TPP-3 <[klmiller@bpa.gov](mailto:klmiller@bpa.gov)>

**Sent:** Friday, September 11, 2020 9:37 AM  
**To:** Gentry,Natasha A (BPA) - TELC-TPP-3 <[nagentry@bpa.gov](mailto:nagentry@bpa.gov)>;  
Fredrickson,Erik E (BPA) - TELP-TPP-3 <[eefredrickson@bpa.gov](mailto:eefredrickson@bpa.gov)>  
**Cc:** Nuno,Juan C (BPA) - TELD-TPP-3 <[jcnuno@bpa.gov](mailto:jcnuno@bpa.gov)>; Wenzl,Nicholas J  
(BPA) - TFEF-ALVEY <[njwenzl@bpa.gov](mailto:njwenzl@bpa.gov)>  
**Subject:** CUGR-HOLD-1 Emergency Fire Replacement  
**Importance:** High

Good morning-

I just got off the phone with Nick Wenzl. 6/1 on CUGR-HOLD-1 has been heavily damaged by fire. He would like to replace the lattice tower with a wood pole structure tomorrow. He is also requesting the following materials be delivered tomorrow as well:

- 4000' Flamingo wire
- 12 sets of armor rods
- 12 shoes
- 12 sets of repair rods

Juan is assisting with this request and will also need wire tensions and pole heights. Since this is going up in a hurry, I am viewing this as a temporary solution with the hope that it will meet a permanent need.

Natasha- can you please assign someone right away to address this? Juan is on hold until he hears from TELP.

Erik- is this a situation for an emergency WO or should we just use expense?

Everyone's immediate attention to this is greatly appreciated!!!

Kelly

**Kelly L. Miller, RLS, EIT**

Supervisory Civil Engineer | Transmission Structural & Civil Engineering TELD-TPP-3

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<https://twitter.com/bonnevillepower>



Structure	Garbage Left	Need Seed	Extra Materials Left
1/3 BR Tap	1 pole	No	
1/4 BR Tap	1 pole	Yes	
6/1		Yes	
10/1	DONE	Yes	
10/3	Arm/glass		
10/4	Arm/glass		
11/1	Arm/glass/2 poles	YES	
11/2	1 pole		
11/3	1 pole	YES	
11/4	Arm/glass/1 pole		Where pole was spotted
11/7	Arm/3 poles		on landing - poles bent arm
14/5			poles to main gravel rd
14/6	metal/insul. Only		YES
15/2	DONE		
15/3	Wood/metal left		
15/4	Insulators only		
15/5	DONE		
15/7	Wood/metal left		
16/10	YES		
16/2	YES		
16/4	DONE		
16/5	YES		
16/9	YES		
17/1	YES		YES
17/5	YES		
17/6	YES		
17/8	YES		
17/9	YES		
18/1	YES		
18/2	YES		
18/4	YES		garbage and truss at 18/2
18/6	YES		
18/7	YES		Cut up poles
18/8	YES		truss arms btwn 18/7 18/8
20/3	DONE		
20/4	DONE		
20/5	DONE		
20/6	DONE		
21/1	NO	Yes	
21/2	NO		
21/3			
21/6	YES		
22/2	Poles	Yes	
22/5	Poles		
22/7			
23/2			
23/3			
23/4			
23/4	YES		
23/5			
24/2			
24/6	NO		
25/1	NO	Yes	
25/3	2 poles		
25/7		Yes	
26/3	2 poles		
27/6		Yes	poles, guy wire, new hardwr.

OPER. NAME: Cougar-Holden Creek No 1

Poles have already been ordered

Structures material to order  
Poles that have fire damage and are more than ten years old. Order these poles

Plan to replace date

STRUCTURE TYPE

Red is took out on line to replace

TLM Notes

Install Date or pole year

Days to do

POLE LENGTH

A

B

C

Pole Loads

RED Sun 4-7

			TLM Notes			Install Date or pole year	Days to do	Plan to replace date	STRUCTURE TYPE	POLE LENGTH			Pole Loads
										A	B	C	
RED Sun 4-7	10	1	FH2	priority 2 (Pole History Sheet)	A	65 1959/1/1	3	Redmond 9/24/20	T23WE-AWH-H1	65	65	65	X
					B	65 1959/1/1							
					C	65 1959/1/1							
RED Sun 4-7	10	2	F2	Done Redmond 9/23/20	A	65 1995/7/7			T23WE-AWH-H1	65	60	60	Done
					B	60 1995/7/7							
					C	60 1959/1/1							
slide area	11	1	A2	B pole Replace / Unstable Need Road work by AR Group	A	75 1981/1/1	1		T22WA-TSH-C1	75	70		X
					B	70 1959/1/1							
	11	2	B1	A pole Replace / Unstable? Need Road work by AR Group	A	60 2019/1/9	1		23WC-WSH	60	55	50	X
					B	55 2019/1/9							
					C	50 2019/1/9							
	11	3	A1	A pole Replace / Unstable? Need Road work by AR Group	A	70 2018/1/9	1		T22WA-TSH	70	60		X
					B	60 2018/1/9							
	11	4	A1	B pole Replace / Unstable	A	70 2010/18/5	2		T22WA-TSH	70 (don't replace)	65		P
					B	65 1977/1/1							
	11	5	A1	priority 2 (Pole History Sheet)	A	75 1959/1/1	2		T22WA-TSH	75 order	65 order		P
					B	65 1959/1/1							
	RED Sun 4-7	11	6	FH1	C pole 50% replace, priority 1 (Pole History Sheet)	A	70 1975/1/1	4		T23WE-AWH-H1	70	65	60
					B	65 1975/1/1							
					C	60 1971/1/1							
RED Sun 4-7	11	7	F2	Complete Rebuild / Unstable	A	75 2012/14/6	3		23WG-WSH	75	65	60	P
					B	65 2012/14/6							
					C	60 2012/14/6							
BH Mon 28-30	12	3	FH1	Done Barehand 9/26/20	A	90 1959/1/1	3		T23WE-AWH-H1	90/85	80/80 H1	80/75	Done
					B	80 1959/1/1							
					C	80 2014/15/5							
BH Mon 28-30	12	4	FH1	priority 2 (Pole History Sheet)	A	90 1975/1/1	4		T23WE-AWH-H1	90	85	85	X
					B	85 1959/1/1							
					C	85 1990/6/8							
BH Thur 1-4	14	5	FHW2	A,B,C replace / Unstable	A	85 2012/14/8	4		T23WG-WSH-W1H1	85	80	85	P
					B	80 2012/14/8							
					C	85 2012/14/8							
BH Thur 1-4	14	6	FHW2	Done NB 9/23/20	A	75 8/1/2017 1986			T23WG-WSH-W1H1	75 order	75	75 order	Done
					B	75 8/1/2017 1959							

				C	75	8/1/2017 1975								
	15	2	A1	Done NB 9/26/20	A	65	2014/19/10			T22WA-TSH-C1	85/ 70	70/ 75	Done	
					B	70	2014/19/10				60		Done	
	15	3	A1	Done NB 9/25/20	A	60				T22WA-TSH	45	45	Done	
					B	60								
	15	4	A1	Done NB 9/25/20	A	45	1992/14/4			23WC-WSH	50	50	50	Done
					B	45	1959/1/1							
	15	5	C2	Done North Bend 9/24/20	A	50	2018/1/9			T22WA-TSH	55	55	Done	
					B	50	2018/1/9							
					C	50	2018/1/9							
	15	7	A1	Done North Bend 9/27/20	A	55	1959/1/1							
					B	55	1959/1/1							
	15	8	C2	Done North Bend 9/27/20 Angle, has bent eye bolt and needs signage										
	16	1	A1	Done North Bend 9/27/20 structure needs to be plumbed up										
	16	2	A1	Done North Bend 9/27/20	A	60	1959/1/1			T22WA-TSH	60	60	Done	
					B	60	1959/1/1							
	16	4	A1	Done North Bend 9/28/20	A	55	2018/1/8			22WA-WSH	55	55	Done	
					B	55	2018/1/9							
	16	5	C2	Done North Bend 9/28/20	A	55	2018/1/9			23WC-WSH	55	50/ 55	60	Done
					B	50	2018/1/9							
					C	60	2018/1/9							
NB Tues-Thur	16	9	F	priority 2 (Pole History Sheet)	A	70	1998/12/8	4		T23WE-AWH-H1	70	70	75	X
					B	70	1959/1/1							
					C	75	1959/1/1							
NB Sat-Sun	16	10	A2	A pole ok, B pole replace 60' (Pole History Sheet) / Unstable	A	60	1959/1/1	2		T22WA-TSH-C1	60	60	X	
					B	60	1959/1/1							
	17	1	C	Done NB 9/22/20 C	A	65	1959/1/1			T23WC-SWH	65	65	65	Done
					B	65	1994/18/5							
					C	65	1992/15/4							
NB	17	5	C2	Rebuild Structure, danger priority pole	A	55	8/1/2017 1959	3		23WC-WSH	55	60	65	P
					B	60	8/1/2017 1982							
					C	65	8/1/2017 1980							
NB	17	6	A1	B pole burnt to top x brace (Pole History Sheet)	A	50	1959/1/1	1		T22WA-TSH	50	50	P	
					B	50	1959/1/1							
NB	17	9	A1	priority 2 (Pole History Sheet)	A	55	1959/1/1	1		T22WA-TSH	55	55	P	
					B	55	1959/1/1							
NB	18	1	FH1	Heavy charring, Broken HX x 2. NCI jumper strings age? (Pole History Sheet)	A	55	1959/1/1	3		T23WE-AWH-H1	55	55	55	P
					B	55	1959/1/1							
					C	55	1984/1/1							
RED Fri 3-5	18	2	F1	A pole 10% burned, B pole charred, C pole 60% burnt Unstable	A	50	2018/1/9	2		23WE-WSH	50	50	50	X
					B	50	2018/1/9							



	23	1	A1	priority 2 wood needs to be plumbed, wood looks okay.																
ALV Sun 27	23	2	A2	structure totaled. A2? Has two arms, replace poles and arms, insulators look okay! <b>Unstable</b> Landing done	A	60	1993/9/9		1		T22WA-TSH-C1	60	60							X
					B	60	1959/1/1				T23WC-SWH-H2	70	70	70						Done
	23	3	C2	Done Alvey 9/23/20	A	70	1959/1/1													
ALV Mon 28-1	23	4	F1	Priority Poles (material was not delivered prior to fire) landing done / anchors done.	A	55	9/1/2018 1959		4		23WE-WSH	55 Order	55 order	55 order						P-3
					B	55	9/1/2018 1959													
					C	55	9/1/2018 1959													
	23	5	F1	A and B pole okay, some fire damage, not bad. Replace C pole its gone. Landing work needed, for both line and bucket truck Set up. priority 2 (Pole History Sheet) / <b>Unstable</b> anchors need done with mini, experienced operator	A	50	1959/1/1		4		T23WE-AWH-H1	50	55	60						P
					B	55	1982/1/1													
					C	60	1959/1/1													
	23	6	A1	(Pole History Sheet)	A	55	1959/1/1		1		T22WA-TSH	55	60							P
					B	60	1959/1/1													
	24	2	A1	priority 1 (Pole History Sheet)	A	50	1959/1/1		1		T22WA-TSH	50	55							P
					B	55	1959/1/1													
	24	3	F1	Done Alvey 9/26/20 Two broken HX's																
	24	6	A1	Done Alvey 9/22/20	A	55	2010/20/5				T22WA-TSH	55	60							Done
					B	60	2010/20/5													
	24	7	A1	Done Alvey 9/21/20 Corrective																
	24	8	A1	Done Alvey 9/26/20 Suspension Insulator Pos 3 Corrective, C3																
	25	1	C2	Done Alvey 9/21/20	A	50	2002/24/4				23WC-WSH	50	50	50						Done
					B	50	2012/20/6													
					C	50	2012/20/6													
	25	3	A1	Done Alvey 9/24/20	A	75	1992/15/4				T22WA-TSH	75	75							Done
					B	75	1975/1/1													
	25	7	A1	Done 9/26/20	A	75	1959/1/1				T22WA-TSH	75	75							Done
					B	75	1959/1/1													
	26	3	A1	Done Alvey 9/25/20	A	65	1959/1/1				T22WA-TSH	65	65							Done
					B	65	1971/1/1													
	27	4	B1	Conductor Pos 1 Corrective, C3																
	27	5		Done Alvey 9/24/20 Replace NCI's																
	27	6	EH	Done Alvey 9/18/20	A	40	2018-09-01				T23WE-AWH-H1	40	45	50						Done
					B	45	2019-09-01													
					C	50	2019-09-01													

TOTAL Days Needed 85

Highlighted cells need corrected and/or ordered	
Rake 15'	
Rake 12'	
	Steel Candidate
Rake 9'	Steel Candidate
X-Brace	Steel Candidate
X-Brace	Steel Candidate
	Steel Candidate
Rake 9'	Steel Candidate
	Steel Candidate
Rake 8'	

Rake 12"

X-Brace

X-Brace

Rake 9"

Rake 12"

X-Brace

Rake 9"

Rake 15"

X-Brace

Rake 6"

X-Brace

Rake 15°

X-Brace

Rake 18°

X-Brace

X-Brace

Rake 15°

X-Brace

X-Brace

Rake 6°

X-Brace



Rake 12"

X-Brace

X-Brace

Rake 12"

Rake 6"

Unstable structures

Start w/1	Mile	No.	A	B	C	Style
	10	1				
Redmond	10	2	Working			F2
1	11	1	75	70		A2
	11	2				B1
	11	3				A1
	11	4				A1
1	11	5	75	65		A1
	11	6				FH1
	11	7	75	65	60	F2
1	12	3	90	80	80	FH1
	12	4	90	85	85	FH1
	14	5	85	80	85	FHW1
North Bend	14	6	Working	75	75	FHW2
1	15	2	70	75		A1
	15	4				A1
	15	5				C2
	15	7				A1
1	15	8				C2
	16	1				A1
	16	2				A1
	16	4				A1
	16	5				C
North Bend 9/22/20	16	9	70	70	75	F
	16	10				A2
	17	1	DONE			C
1	17	5	55	60	65	C2
	17	6				A1
	17	8				A1
	17	9				A1
	18	1				FH1
	18	2				F1
1	18	4				A1
	18	6				A1
	18	7				FH2
	18	8				A2
	19	1				FH1
Bare hand Bare hand 9/21/20 Bare hand 9/22/20	19	6				A1
	20	3	Working	75	80	FH2
	20	4	DONE			A1
	20	5	DONE	85		A2
	20	6	80	80		A1

Alvey 9/21/20	21	1	DONE			A1
Alvey 9/20/20	21	2	DONE			A1
	21	3				F2
	21	6				A1
	22	2				A1
	22	5				B2
	22	7				FH1
	23	1				A1
Alvey	23	2				A1
	23	3	Working			C2
	23	4				F1
1	23	5				F1
	23	6				A1
	24	2				A1
	24	3				F1
Alvey 9/22/20	24	6	DONE			A1
	24	7				A1
	24	8				A1
Alvey 9/21/20	25	1	DONE			C2
	25	3	75	75		A1
	25	7	75	75		A1
	26	3				A1
	27	4				B1



From Alvey

101-3451
65-2015
23/3. C2
23/2. A2

for Alvey 9/20/2020

3	Arm
4	Arm
4	CL 1
2-60 CL1	
2-60 CL1	

3-50 CL1

for Alvey 9/21/2020

1	Arm
1	Arm
3-50'	101-3451
1-55' 1-60'	65-2015
1-50' CL2	
2-50' CL1	

From Redmond for Rex 9/20/2020

Guy Wire		
65-2021	1	Arm
65-2015	3	Arm
Anchors	20	
75ft	1	CL 1
70ft	2	CL 1
65ft	1	
60ft	3	
10/2 F+2	2-60' 1-65'	65-2021
11/1, A2	1-75' 1-70'	65-2015

for Alvey 9/21/2020

1	Arm
2	Arm
3-70'	101-3451
2-60'	65-2015

11/2. B1	1-60'	65-2019
11/3. A1	1-70'	65-2015

COND: ACSR Flamingo (AL 46 - AL 59)	M.W.T.:	ICE:
ACSR Flamingo (AL 59 - AL 60)	M.W.T.:	ICE:
SHLD:	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV
		BACK	AHEAD				
10/3	AL 51	452+37.80		177.2		1270.8	1315.6
11/1	AL 55	476+00.00		662.1		1351.8	1405.3
11/2	AL 56	482+62.10		437.9	11°56'0"R	1365.8	1405.4
11/3	AL 57	487+00.00		700.0		1336.2	1386.4
11/4	AL 58	494+00.00		476.9		1278.5	1328.2
11/6	AL 60	507+89.20		1231.8		1196.4	1241.1
11/7	AL 61	520+21.00		179.0	18°1'0"L	1394.6	1443.7
14/5	AL 81	660+79.60		2143.5	12°0'0"L	1051.6	1108.9
14/6	AL 82	682+23.10	682+22.20	602.8	49°51'0"R	1159.1	1217.7
15/2	AL 84	692+97.70		1090.1		1141.6	1190.9
15/3	AL 85	703+87.80		472.2		1138.4	1182.8
15/4	AL 86	708+60.00		333.2		1178.5	1210.3
15/5	AL 87	711+93.20		706.8	21°48'0"L	1182.4	1217.5
17/6	AL 107	827+00.00		192.0		1130.9	1168.0
18/2	AL 112	866+35.00		269.6		1129.9	1165.3
18/3	AL 113	869+04.60		720.4	21°51'0"R	1162.7	1201.8
18/4	AL 114	876+25.00		625.0		1273.9	1323.4
18/5	AL 115	882+50.00		750.0		1438.6	1482.7
18/6	AL 116	890+00.00		380.7		1561.0	1605.3
18/7	AL 117	893+80.70		324.4	51°57'0"R	1620.3	1660.8
18/8	AL 118	897+05.10		1294.9		1604.8	1648.9
19/1	AL 119	910+00.00		900.0		1541.1	1589.9
19/2	AL 120	919+00.00		200.0		1605.9	1641.3
19/3	AL 121	921+00.00		650.0		1606.7	1643.0
19/4	AL 122	927+50.00		882.0		1532.2	1586.0
19/5	AL 123	936+32.00		743.0		1387.2	1437.4
19/6	AL 124	943+75.00		385.9		1187.2	1241.3
19/7	AL 125	947+60.90		989.1	2°56'0"L	1099.1	1149.0
21/1	AL 133	1005+28.20	1004+90.80	374.2		1132.4	1177.3
21/2	AL 134	1008+65.00		992.0		1116.9	1157.7



OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME:  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		1	2	3	4	
	NOM HT	POLE LENGTH			Pole Class	
		A	B	C		
T22WA-TSH	60.0	65	60		2	
T22WA-TSH-C1	70.0	75	70		2	
23WC-WSH	55.0	60	55	50	1	Rake 9"
T22WA-TSH	65.0	70	60		1	X-Brace
T22WA-TSH	65.0	70	65		2	X-Brace
T23WE-AWH-H1	60.0	70	65	60	2	
23WG-WSH	65.0	75	65	60	2	Rake 9"
T23WG-WSH-W1H1	80.0	85	80	85	2	Rake 9"
T23WG-WSH-W1H1		75	75	75	2	
T22WA-TSH-C1		65	70		2	
T22WA-TSH-C1		60	60		2	
T22WA-TSH		45	45		2	
23WC-WSH		50	50	50	1	Rake 12"
T22WA-TSH		50	50		2	X-Brace
23WE-WSH		50	50	50	2	
T23WC-SWH-H2		55	55	55	2	Rake 12"
T22WA-TSH		65	65		2	
T22WA-TSH		60	60		2	X-Brace
T22WA-TSH		60	60		2	X-Brace
T23WE-AWH-H1		55	55	55	2	Rake 15"
T22WA-TSH-C1		60	65		2	
T23WE-AWH-H1		65	65	70	2	
T22WA-TSH		50	50		2	X-Brace
T22WA-TSH		50	50		2	
T22WA-TSH-C1	70.0	75	70		2	
T22WA-TSH-C1		65	65		2	
22WA-WSH	70.0	75	70		2	X-Brace
T23WE-AWH-H1	65.0	70	65	60	2	Rake 6"
T22WA-TSH		55	60		1	X-Brace
22WA-WSH		60	65		1	X-Brace

Row Labels	Count of A	Row Labels	Count of B	Row Labels	Count of C
45	1	45	1	50	3
50	5	50	5	55	2
55	3	55	3	60	3
60	6	60	6	70	1
65	5	65	9	75	1
70	4	70	4	85	1
75	5	75	1	(blank)	
85	1	80	1	<b>Grand Total</b>	<b>11</b>
<b>Grand Total</b>	<b>30</b>	<b>Grand Total</b>	<b>30</b>		

Pole Height	Qty Needed
45	2
50	6
55	2
60	8
65	6
70	4
75	3
80	1
85	2

34

OPERATING LINE NAME      Cougar-Holden Creek No 1  
 DESIGN NAME  
 OPERATING LINE XREF      CUGR-HOLD-1  
 OPERATING VOLTAGE        115  
 OPERATING LINE INDEX    C300

Code (PLC)	Description
C1	Cougar-Holden Creek No 1 SSDE (CUGR 1) to SSDE (HOLD 1S)

Work Order	Voltage	Name
00453865	115	Cougar-Holden Creek No 1
175-11	115	Cougar-Station "S" No 1

Type	Name	Section
ACSR	ACSR Flamingo	( 0/1 CUGR 1 -> 27/11 HOLD 1S )

Poles	Towers
C H 1	CUGR HOLD 1

COND: ACSR Flamingo (CUGR 1 - AL 10M) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 10M - AL 11) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	STR HT	STRUCTURE CATEGORY				DESCRIPTION & REMARKS
		BACK	AHEAD											
0/1	CUGR 1	789+31.50		161.0			1349.3	S2DL-72-32-15		Bay (SSDE)				
0/2	CUGR 1 TT1	790+92.50		276.6	25°35'0"L		1349.4	S2DL-72-32-15		Bay (SSDE)				
									TWR BODY	LEG EXTENSIONS				
									1	2	3	4		
1/1	AL 2	793+69.10		446.0	72°13'0"L	1281.9	1366.4	02D	62.0	22.5	22.5	22.5	22.5	
1/2	AL 3	798+15.10		1147.9	42°51'0"L	1277.9	1374.7	10D	62.0	35	35	35	35	
1/3	AL 4	809+63.00		1247.0		1274.8	1434.6	04B2 SPEC	131.3	37.5	32.5	30	35	
1/4	AL 5	822+10.00		301.6		1448.8	1504.9	00A1	50.0	12.5	7.5	5	12.5	
1/5	AL 6	825+11.60		1323.4	28°52'0"R	1406.6	1478.6	10D	42.0	35	27.5	25	32.5	
1/6	AL 7	838+35.00		1437.9		1489.9	1574.1	00A1	65.0	27.5	22.5	22.5	25	
									NOM HT	POLE LENGTH			Pole Class	
									A	B	C			
2/1	AL 8	852+72.90		1471.4	13°43'0"L	1502.4	1558.5	30SP-C2		65	62.5	57.5		Rake 9"
									TWR BODY	LEG EXTENSIONS				
									1	2	3	4		
2/2	AL 9	867+44.30		1435.7		1349.3	1430.1	00A1	65.0	25	20	17.5	22.5	
									NOM HT	POLE LENGTH			Pole Class	
									A	B	C			
2/3	AL 10M	882+20.00		754.2		1404.4	1456.5	22WA-WSH-C1	70.0	70	70		1	X-Brace

COND: ACSR Flamingo (AL 11 - AL 18) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 18 - AL 19) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
2/4	AL 11	889+34.20		1115.8	61°0'0"L	1361.3	1431.5	30SP-F2		77.5	75	70		Rake 12"
2/5	AL 12	900+50.00		991.9		1207.0	1264.5	30SP-F1		62.5	62.5	62.5		
		901+07.00												Mid Span Tap to CARMEN SMITH TAP
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
3/1	AL 13	910+41.90		1010.4		1199.1	1259.7	10L	50.0	15	15	15	15	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
3/2	AL 14	920+52.30		772.7	52°38'0"L	1185.5	1276.1	30SP-F2		95	95	95		Rake 15"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
3/3	AL 15	928+25.00		1735.2		1185.3	1276.5	00A1	65.0	30	32.5	30	30	
3/4	AL 16	945+60.20	945+53.90	1297.2	41°58'0"R	1251.8	1347.2	10D	62.0	30	32.5	35	30	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
3/5	AL 17	958+51.10		1063.9	26°20'0"L	1255.5	1332.5	30SP-F1		80	82.5	82.5		Rake 12"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
4/1	AL 18	969+15.00		885.0		1276.6	1352.7	10L	65.0	15	17.5	17.5	15	

COND: ACSR Flamingo (AL 19 - AL 28) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 28 - AL 29) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
4/2	AL 19	978+00.00		915.0		1236.3	1309.2	10L	50.0	27.5	27.5	27.5	27.5	
4/3	AL 20	987+15.00		1285.0		1202.5	1275.7	10L	50.0	27.5	27.5	27.5	27.5	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
4/4	AL 21	1000+00.00	129+86.50	1038.5	15°30'0"R	1194.4	1256.4	30SP-C1		67.5	67.5	67.5		Rake 9"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
4/5	AL 22	140+25.00		1026.0		1131.6	1204.2	10L	50.0	27.5	27.5	27.5	27.5	
4/6	AL 23	150+51.00		1109.0		1127.0	1187.7	10L	50.0	15	15	15	15	
5/1	AL 24	161+60.00		1000.7		1112.9	1169.7	10L	50.0	10	12.5	12.5	10	
5/2	AL 25	171+60.70		1069.3		1109.0	1163.7	10L	50.0	10	10	10	10	
5/3	AL 26	182+30.00		855.3		1088.3	1144.7	10L	50.0	12.5	12.5	12.5	12.5	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
5/4	AL 27	190+85.30		877.3	41°29'0"L	1083.2	1120.8	30SP-F2		42.5	42.5	42.5		Rake 18"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
5/5	AL 28	199+62.60		1107.4		1078.4	1148.2	10L	50.0	25	25	25	25	

COND: ACSR Flamingo (AL 29 - AL 36) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 36 - AL 37) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
6/1	AL 29	210+70.00 198+90.00		1230.4		1077.9	1141.2	10L	50.0	17.5	17.5	17.5	17.5	
									NOM HT	POLE LENGTH A B C			Pole Class	
6/2	AL 30	222+50.00 223+00.40 223+00.40		711.2		1085.2	1146.0	10SW		55	55			Mid Span Tap to BLRIT-CUHO-1 Switch Dispatch
6/3	AL 31	230+11.60		1063.4	33°47'0"R	1081.7	1134.0	30SP-F2		57.5	57.5	57.5		Rake 15"
									TWR BODY	LEG EXTENSIONS 1 2 3 4				
6/4	AL 32	240+75.00		1193.0		1075.1	1146.2	10L	50.0	27.5	25	25	27.5	
6/5	AL 33	252+68.00		1157.0		1071.5	1144.7	10L	50.0	27.5	27.5	27.5	27.5	
7/1	AL 34	264+25.00		1225.0		1053.0	1125.6	10L	50.0	27.5	27.5	27.5	27.5	
7/2	AL 35	276+50.00		1175.7		1046.6	1119.7	10L	50.0	27.5	27.5	27.5	27.5	
									NOM HT	POLE LENGTH A B C			Pole Class	
7/3	AL 36	288+25.70		1144.3	32°53'0"R	1036.7	1094.0	30SP-F2		62.5	62.5	62.5		Rake 15"

COND: ACSR Flamingo (AL 37 - AL 45) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 45 - AL 46) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
7/4	AL 37	299+70.00		880.4		1030.2	1100.7	10L	50.0	25	25	25	25	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
7/5	AL 38	308+50.40	324+68.40	786.6	53°38'0"L	1025.9	1064.0	30SP-F2		42.5	42.5	45		Rake 15"
									TWR BODY	LEG EXTENSIONS 1   2   3   4				
8/1	AL 39	332+55.00		1325.2		1021.0	1081.2	10L	50.0	15	15	15	15	
8/2	AL 40	345+80.20		590.4	20°4'0"L	1032.7	1158.2	S10D	102.0	25	37.5	27.5	20	
8/3	AL 41	351+70.60	351+66.40	1117.6	2°21'0"L	1029.2	1091.2	10D	42.0	20	25	22.5	17.5	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
8/4	AL 42	362+84.00		751.0	6°23'0"R	1041.6	1103.2	30SP-C1		55	62.5	75		Rake 6"
									TWR BODY	LEG EXTENSIONS 1   2   3   4				
8/5	AL 43	370+35.00		966.6		1079.0	1151.2	10L	65.0	5	20	25	7.5	
9/1	AL 44	380+01.60		1277.0	0°33'0"L	1047.5	1098.2	10L	50.0	5	5	5	5	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
9/2	AL 45	392+78.60	392+79.70	859.3	8°56'0"L	1031.6	1094.6	30SP-F1		62.5	67.5	72.5		Rake 6"



COND: ACSR Flamingo (AL 46 - AL 59) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 59 - AL 60) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
9/3	AL 46	401+39.00		1031.7		1010.1	1088.9	10L	65.0	17.5	20	20	17.5	
9/4	AL 47	411+70.70		1249.3	2°45'0"R	999.5	1071.5	00A1	50.0	27.5	30	30	27.5	
9/5	AL 48	424+20.00		878.2		994.4	1071.0	10D	62.0	15	15	15	15	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
10/1	AL 49	432+98.20	433+00.00	1233.6	56°0'0"R	998.0	1049.0	T23WE-AWH-H1	65.0	65	65	65	2	Rake 15"
10/2	AL 50	445+33.60		704.2	22°29'0"L	1300.6	1345.6	T23WE-AWH-H1	60.0	65	60	60	2	Rake 12"
10/3	AL 51	452+37.80		177.2		1270.8	1315.6	T22WA-TSH	60.0	65	60		2	
10/4	AL 52	454+15.00		1085.0		1266.5	1307.4	T22WA-TSH	55.0	60	55		2	X-Brace
10/5	AL 53	465+00.00		222.1		1269.7	1319.2	T22WA-TSH	65.0	70	65		2	X-Brace
10/6	AL 54	467+22.10		877.9		1272.5	1329.0	22WA-WSH	70.0	75	70		2	X-Brace
11/1	AL 55	476+00.00		662.1		1351.8	1405.3	T22WA-TSH-C1	70.0	75	70		2	
11/2	AL 56	482+62.10		437.9	11°56'0"R	1365.8	1405.4	23WC-WSH	55.0	60	55	50	1	Rake 9"
11/3	AL 57	487+00.00		700.0		1336.2	1386.4	T22WA-TSH	65.0	70	60		1	X-Brace
11/4	AL 58	494+00.00		476.9		1278.5	1328.2	T22WA-TSH	65.0	70	65		2	X-Brace
11/5	AL 59	498+76.90		912.3		1219.7	1274.1	T22WA-TSH	70.0	75	65		2	

COND: ACSR Flamingo (AL 60 - AL 74)	M.W.T.:	ICE:	OPER. NAME: Cougar-Holden Creek No 1
ACSR Flamingo (AL 74 - AL 75)	M.W.T.:	ICE:	DESIGN NAME:
SHLD:	M.W.T.:	ICE:	OPER. LINE XREF: CUGR-HOLD-1
	M.W.T.:	ICE:	OPER. VOLTAGE: 115 kV
	M.W.T.:	ICE:	MARKING: Pole: C H 1 Tower: CUGR HOLD 1
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	
	M.W.T.:	ICE:	

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
11/6	AL 60	507+89.20		1231.8		1196.4	1241.1	T23WE-AWH-H1	60.0	70	65	60	2	
11/7	AL 61	520+21.00		179.0	18°1'0"L	1394.6	1443.7	23WG-WSH	65.0	75	65	60	2	Rake 9"
11/8	AL 62	522+00.00		800.0		1410.3	1451.5	T22WA-TSH	55.0	60	55		2	
12/1	AL 63	530+00.00		827.9		1431.9	1481.4	T22WA-TSH-C1	65.0	70	60		2	
12/2	AL 64	538+27.90	538+30.00	295.0	0°10'0"L	1527.8	1572.2	T22WA-TSH	60.0	65	55		2	X-Brace
12/3	AL 65	541+25.00		1676.6		1500.1	1561.8	T23WE-AWH-H1	80.0	90	80	80	2	
12/4	AL 66	558+01.60		705.4		1409.5	1477.7	T23WE-AWH-H1	85.0	90	85	85	2	
12/5	AL 67	565+07.00		673.0		1383.2	1425.0	T22WA-TSH	55.0	55	55		2	X-Brace
12/6	AL 68	571+80.00		867.5		1323.8	1378.2	T22WA-TSH-C1	70.0	70	70		2	
12/7	AL 69	580+47.50		562.5	26°51'0"R	1306.4	1351.6	T23WE-AWH-H1	60.0	60	60	60	2	Rake 12"
13/1	AL 70	586+10.00		1015.0		1321.0	1361.1	T22WA-TSH-C1		55	55		2	X-Brace
13/2	AL 71	596+25.00		284.0		1305.8	1344.0	22WA-WSH		50	50		1	X-Brace
13/3	AL 72	599+09.00		1211.0		1300.1	1341.5	22WA-WSH		55	55		1	X-Brace
13/4	AL 73	611+20.00		490.0		1278.4	1323.6	23WE-WSH		60	60	60	1	
13/5	AL 74	616+10.00		586.8		1277.5	1318.9	T22WA-TSH		55	55		2	X-Brace

COND: ACSR Flamingo (AL 75 - AL 89) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 89 - AL 90) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
13/6	AL 75	621+96.80		1053.2		1269.2	1313.8	T22WA-TSH-C1		60	60		2	
13/7	AL 76	632+50.00		525.0		1252.7	1302.7	T22WA-TSH-C1		65	65		2	
14/1	AL 77	637+75.00		575.0		1273.8	1315.0	T22WA-TSH		55	55		2	X-Brace
14/2	AL 78	643+50.00		590.0		1267.9	1314.0	T22WA-TSH		60	60		2	X-Brace
14/3	AL 79	649+40.00		660.0		1250.2	1296.5	T22WA-TSH		60	60		2	X-Brace
14/4	AL 80	656+00.00		479.6		1209.5	1263.7	T22WA-TSH-C1		70	70		2	
14/5	AL 81	660+79.60		2143.5	12°0'0"L	1051.6	1108.9	T23WG-WSH-W1H1	80.0	85	80	85	2	Rake 9"
14/6	AL 82	682+23.10	682+22.20	602.8	49°51'0"R	1159.1	1217.7	T23WG-WSH-W1H1		75	75	75	2	
15/1	AL 83	688+25.00		472.7		1173.5	1210.5	T22WA-TSH		50	50		2	X-Brace
15/2	AL 84	692+97.70		1090.1		1141.6	1190.9	T22WA-TSH-C1		65	70		2	
15/3	AL 85	703+87.80		472.2		1138.4	1182.8	T22WA-TSH-C1		60	60		2	
15/4	AL 86	708+60.00		333.2		1178.5	1210.3	T22WA-TSH		45	45		2	
15/5	AL 87	711+93.20		706.8	21°48'0"L	1182.4	1217.5	23WC-WSH		50	50	50	1	Rake 12"
15/6	AL 88	719+00.00		550.0		1191.0	1232.0	22WA-WSH		55	60		1	X-Brace
15/7	AL 89	724+50.00		534.8		1191.9	1232.6	T22WA-TSH		55	55		2	X-Brace

COND: ACSR Flamingo (AL 90 - AL 105) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 105 - AL 106) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
15/8	AL 90	729+84.80		215.2	15°26'0"L	1177.3	1221.1	T23WC-SWH		60	60	60	2	Rake 9"
15/9	AL 91	732+00.00		825.0		1176.4	1218.0	T22WA-TSH		55	55		2	X-Brace
16/1	AL 92	740+25.00		425.0		1164.3	1196.5	T22WA-TSH		45	50		2	X-Brace
16/2	AL 93	744+50.00		650.0		1139.0	1186.5	T22WA-TSH		60	60		2	X-Brace
16/3	AL 94	751+00.00		550.0		1135.5	1181.0	T22WA-TSH		60	60		2	X-Brace
16/4	AL 95	756+50.00		320.7		1151.0	1191.5	22WA-WSH		55	55		1	
16/5	AL 96	759+70.70		746.3	14°10'0"L	1138.1	1177.9	23WC-WSH		55	50	60	1	Rake 9"
16/6	AL 97	767+17.00		333.0		1146.8	1184.0	T22WA-TSH		50	50		2	X-Brace
16/7	AL 98	770+50.00		692.2		1151.9	1189.0	T22WA-TSH		50	50		2	X-Brace
16/8	AL 99	777+42.20		360.6		1158.0	1194.6	T22WA-TSH		50	50		2	X-Brace
16/9	AL 100	781+02.80		897.2	23°18'0"R	1116.4	1170.7	T23WE-AWH-H1		70	70	75	2	Rake 12"
16/10	AL 101	790+00.00		614.9		1129.6	1174.8	T22WA-TSH-C1		60	60		2	X-Brace
17/1	AL 102	796+14.90		477.6	14°41'0"L	1123.4	1172.1	T23WC-SWH		65	65	65	2	Rake 9"
17/2	AL 103	800+92.50		816.2		1126.2	1162.9	T22WA-TSH		50	50		2	X-Brace
17/3	AL 104	809+08.70		666.3		1084.2	1139.5	T22WA-TSH		70	70		2	
17/4	AL 105	815+75.00		312.5		1127.0	1168.5	T22WA-TSH		55	60		2	

COND: ACSR Flamingo (AL 106 - AL 120) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 120 - AL 121) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
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 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
17/5	AL 106	818+87.50		812.5	36°0'0"L	1116.5	1160.6	23WC-WSH		55	60	65	2	Rake 15"
17/6	AL 107	827+00.00		192.0		1130.9	1168.0	T22WA-TSH		50	50		2	X-Brace
17/7	AL 108	828+92.00		908.0		1123.3	1174.5	T22WA-TSH		70	65		2	
17/8	AL 109	838+00.00		342.4		1196.5	1238.0	T22WA-TSH		55	55		2	X-Brace
17/9	AL 110	841+42.40		600.8		1183.2	1223.5	T22WA-TSH		55	55		2	
18/1	AL 111	847+43.20		1891.8	8°14'0"R	1152.5	1193.4	T23WE-AWH-H1		55	55	55	2	Rake 6"
18/2	AL 112	866+35.00		269.6		1129.9	1165.3	23WE-WSH		50	50	50	2	
18/3	AL 113	869+04.60		720.4	21°51'0"R	1162.7	1201.8	T23WC-SWH-H2		55	55	55	2	Rake 12"
18/4	AL 114	876+25.00		625.0		1273.9	1323.4	T22WA-TSH		65	65		2	
18/5	AL 115	882+50.00		750.0		1438.6	1482.7	T22WA-TSH		60	60		2	X-Brace
18/6	AL 116	890+00.00		380.7		1561.0	1605.3	T22WA-TSH		60	60		2	X-Brace
18/7	AL 117	893+80.70		324.4	51°57'0"R	1620.3	1660.8	T23WE-AWH-H1		55	55	55	2	Rake 15"
18/8	AL 118	897+05.10		1294.9		1604.8	1648.9	T22WA-TSH-C1		60	65		2	
19/1	AL 119	910+00.00		900.0		1541.1	1589.9	T23WE-AWH-H1		65	65	70	2	
19/2	AL 120	919+00.00		200.0		1605.9	1641.3	T22WA-TSH		50	50		2	X-Brace

COND: ACSR Flamingo (AL 121 - AL 135) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 135 - AL 136) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
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 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
19/3	AL 121	921+00.00		650.0		1606.7	1643.0	T22WA-TSH		50	50		2	
19/4	AL 122	927+50.00		882.0		1532.2	1586.0	T22WA-TSH-C1	70.0	75	70		2	
19/5	AL 123	936+32.00		743.0		1387.2	1437.4	T22WA-TSH-C1		65	65		2	
19/6	AL 124	943+75.00		385.9		1187.2	1241.3	22WA-WSH	70.0	75	70		2	X-Brace
19/7	AL 125	947+60.90		989.1	2°56'0"L	1099.1	1149.0	T23WE-AWH-H1	65.0	70	65	60	2	Rake 6"
20/1	AL 126	957+50.00		350.0		1078.9	1116.0	T22WA-TSH		50	50		2	X-Brace
20/2	AL 127	961+00.00		1266.6		1042.8	1096.4	22WA-WSH		70	70		1	X-Brace
20/3	AL 128	973+66.60		733.4	45°0'0"L	1022.5	1081.1	23WG-WSH		75	75	80	2	Rake 18"
20/4	AL 129	981+00.00		325.0		1094.5	1145.1	22WA-WSH		65	65		1	
20/5	AL 130	984+25.00		1195.0		1114.5	1182.0	T22WA-TSH-C1		85	85		2	
20/6	AL 131	996+20.00		295.7		1151.2	1215.0	T22WA-TSH		80	80		2	
20/7	AL 132	999+15.70		612.5	0°3'0"R	1175.0	1212.0	T22WA-TSH		50	55		2	
21/1	AL 133	1005+28.20	1004+90.80	374.2		1132.4	1177.3	T22WA-TSH		55	60		1	X-Brace
21/2	AL 134	1008+65.00		992.0		1116.9	1157.7	22WA-WSH		60	65		1	X-Brace
21/3	AL 135	1018+57.00		403.0	31°58'0"L	1067.5	1103.9	T23WE-AWH-H1		50	50	50	2	Rake 15"

COND: ACSR Flamingo (AL 136 - AL 151) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 151 - AL 152) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
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 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
21/4	AL 136	1022+60.00		740.0		1076.4	1117.3	T22WA-TSH		55	55		2	X-Brace
21/5	AL 137	1030+00.00		485.1		1082.3	1131.8	T22WA-TSH		65	65		2	X-Brace
21/6	AL 138	1034+85.10		614.9		1098.7	1140.0	T22WA-TSH		55	55		2	X-Brace
21/7	AL 139	1041+00.00		650.0		1098.5	1138.8	T22WA-TSH		55	55		2	X-Brace
21/8	AL 140	1047+50.00		739.1		1075.8	1122.0	T22WA-TSH		60	60		2	X-Brace
21/9	AL 141	1054+89.10		428.3	15°22'0"L	1081.2	1120.4	23WC-WSH		55	55	60	1	Rake 9"
22/1	AL 142	1059+17.40		857.3		1080.7	1122.0	22WA-WSH		55	55		1	X-Brace
22/2	AL 143	1067+74.70		400.3		1109.6	1155.0	22WA-WSH		60	60		1	X-Brace
22/3	AL 144	1071+75.00		800.0		1123.7	1160.5	T22WA-TSH		50	55		2	X-Brace
22/4	AL 145	1079+75.00		608.4		1143.2	1185.5	T22WA-TSH		55	60		2	X-Brace
22/5	AL 146	1085+83.40	1085+78.20	696.8	3°30'0"R	1112.7	1152.0	T23WB-SWH		55	55	55	2	Rake 6"
22/6	AL 147	1092+75.00		1350.0		1066.1	1103.5	23WE-WSH		50	50	55	2	
22/7	AL 148	1106+25.00		775.0		1060.7	1108.4	23WE-WSH	65.0	60	65	70	2	X-Brace
23/1	AL 149	1114+00.00		525.0		1182.6	1232.7	T22WA-TSH		65	65		2	X-Brace
23/2	AL 150	1119+25.00		476.8		1286.6	1331.0	T22WA-TSH-C1		60	60		2	
23/3	AL 151	1124+01.80	1130+20.00	689.5	27°26'0"R	1222.3	1275.5	T23WC-SWH-H2		70	70	70	2	Rake 12"

COND: ACSR Flamingo (AL 152 - AL 165) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 165 - AL 166) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
23/4	AL 152	1137+09.50		1165.5		1098.8	1140.1	23WE-WSH		55	55	55	2	
23/5	AL 153	1148+75.00		605.0		1055.1	1095.0	T23WE-AWH-H1		50	55	60	2	
23/6	AL 154	1154+80.00		345.0		1056.2	1098.5	T22WA-TSH		55	60		2	
23/7	AL 155	1158+25.00		568.6		1050.1	1094.1	T22WA-TSH		60	60		2	
23/8	AL 156	1163+93.60		731.4		1012.3	1053.5	T22WA-TSH		55	55		2	X-Brace
24/1	AL 157	1171+25.00		305.0		1011.6	1047.6	T22WA-TSH		50	50		2	X-Brace
24/2	AL 158	1174+30.00		986.8		995.4	1032.5	T22WA-TSH		50	55		2	X-Brace
24/3	AL 159	1184+16.80		855.3	5°12'0"R	959.3	995.0	T23WE-AWH-H1		50	50	50	2	Rake 6" X-Brace
24/4	AL 160	1192+72.10		592.9		932.1	970.0	T22WA-TSH		50	50		2	X-Brace
24/5	AL 161	1198+65.00		750.1		922.3	962.0	T22WA-TSH		55	60		2	X-Brace
24/6	AL 162	1206+15.10		534.9		902.7	944.0	T22WA-TSH		55	60		2	X-Brace
24/7	AL 163	1211+50.00		644.8		892.4	930.0	T22WA-TSH		50	55		2	X-Brace
	NO STRUC	1213+93.20	1213+83.20	Mid-Span Equation										
24/8	AL 164	1217+84.80		679.0		839.6	882.0	T22WA-TSH		55	60		2	X-Brace
25/1	AL 165	1224+63.80		636.2	22°18'0"R	795.1	830.2	23WC-WSH		50	50	50	2	Rake 12"



COND: ACSR Flamingo (AL 166 - AL 180) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 180 - AL 181) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
25/2	AL 166	1231+00.00		750.0		728.7	788.2	T22WA-TSH		75	75		2	
25/3	AL 167	1238+50.00		640.0		718.5	777.7	T22WA-TSH		75	75		2	
25/4	AL 168	1244+90.00	1244+90.30	674.7	14°56'0"L	714.6	763.4	T23WC-SWH		65	65	65	2	Rake 9"
25/5	AL 169	1251+65.00		584.1		709.8	758.3	T22WA-TSH		65	70		2	X-Brace
25/6	AL 170	1257+49.10	1258+00.00	715.0	17°17'0"L	682.6	735.5	T23WC-SWH		70	70	70	2	Rake 9"
25/7	AL 171	1265+15.00		585.0		690.4	749.0	T22WA-TSH		75	75		2	
25/8	AL 172	1271+00.00		725.0		688.5	752.6	T22WA-TSH		80	80		2	
26/1	AL 173	1278+25.00		675.0		690.5	745.1	22WA-WSH		75	75		2	X-Brace
26/2	AL 174	1285+00.00		700.0		688.6	738.2	T22WA-TSH		65	65		2	X-Brace
26/3	AL 175	1292+00.00		700.0		686.1	736.0	T22WA-TSH		65	65		2	
26/4	AL 176	1299+00.00		680.0		685.4	731.1	T22WA-TSH		60	60		2	X-Brace
26/5	AL 177	1305+80.00		695.0		682.4	729.1	T22WA-TSH		60	60		2	X-Brace
26/6	AL 178	1312+75.00		675.0		680.3	726.6	T22WA-TSH		60	60		2	X-Brace
26/7	AL 179	1319+50.00		550.0		677.0	732.9	22WA-WSH		70	70			X-Brace
26/8	AL 180	1325+00.00		840.0		674.2	729.6	22WA-WSH		70	70		1	X-Brace

COND: ACSR Flamingo (AL 181 - HOLD 1S)

SHLD:

M.W.T.:

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OPER. NAME: Cougar-Holden Creek No 1

DESIGN NAME:

OPER. LINE XREF: CUGR-HOLD-1

OPER. VOLTAGE: 115 kV

MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
27/1	AL 181	1333+40.00		435.0	15°45'0"L	723.2	773.0	T23WE-AWH-H1		60	60	70	2	Rake 9"
27/2	AL 182	1337+75.00		380.7		747.6	781.9	22WA-WSH		50	55		2	
27/3	AL 183	1341+55.70		547.5		725.5	768.4	22WA-WSH		55	60		2	
27/4	AL 184	1347+03.20		599.4	8°37'0"L	699.1	743.7	T23WC-SWH-U2		60	60	60	2	Rake 6"
27/5	AL 185	1353+02.60		695.3		695.9	736.4	T22WA-TSH		55	55		2	X-Brace
27/6	AL 186	1359+97.90		702.1	93°5'0"R	683.8	721.4	T23WE-AWH-H1	45.0	40	45	50	2	Rake 6"
27/7	AL 187	1367+00.00		500.0		665.7	712.0	T22WA-TSH		60	60		2	X-Brace
27/8	AL 188	1372+00.00		440.0		666.5	721.1	T22WA-TSH		70	70		2	
27/9	AL 189	1376+40.00		274.0	1°36'0"L	674.5	733.8	T23WE-AWH-H1		75	75	75	2	
27/10	BEK 190	1379+14.00	8+31.50	168.5	94°29'0"R			0LP2-N		103				
									STR HT	STRUCTURE CATEGORY				
27/11	HOLD 1S	10+00.00					722.0	S2ST-38-30-10-01		Bay (SSDE)				

Poles				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1					
Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 8	A	30SP	30SP-C2		65	1959-01-01	1959-01-01		
AL 8	B	30SP	30SP-C2		62.5	1959-01-01	1959-01-01		
AL 8	C	30SP	30SP-C2		57.5	1959-01-01	1959-01-01		
AL 10M	A	P-2SWH	22WA-WSH-C1	1	70	2019-03-01	2016-01-01		
AL 10M	B	P-2SWH	22WA-WSH-C1	1	70	2019-03-01	2016-01-01		
AL 10M	XA1	P-2SWH	22WA-WSH-C1			2019-03-01	2019-01-01	Double Wide Flange Horz	Steel
AL 10M	XB1	P-2SWH	22WA-WSH-C1			2019-03-01	2019-01-01		Steel
AL 11	A	30SP	30SP-F2		77.5	1959-01-01	1959-01-01		
AL 11	B	30SP	30SP-F2		75	1959-01-01	1959-01-01		
AL 11	C	30SP	30SP-F2		70	1959-01-01	1959-01-01		
AL 12	A	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 12	B	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 12	C	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 14	A	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 14	B	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 14	C	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 17	A	30SP	30SP-F1		80	1959-01-01	1959-01-01		
AL 17	B	30SP	30SP-F1		82.5	1959-01-01	1959-01-01		
AL 17	C	30SP	30SP-F1		82.5	1959-01-01	1959-01-01		
AL 21	A	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 21	B	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 21	C	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 27	A	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 27	B	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 27	C	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 30	A	10	10SW		55	1965-01-01	1965-01-01		
AL 30	B	10	10SW		55	1965-01-01	1965-01-01		
AL 30	S1	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	S2	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	S3	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	XA1	10	10SW			1965-01-01		Lattice Horz	Steel
AL 30	XA2	10	10SW			1965-01-01		Lattice Horz	Steel
AL 31	A	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 31	B	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 31	C	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 36	A	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		
AL 36	B	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		
AL 36	C	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 38	A	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 38	B	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 38	C	30SP	30SP-F2		45	1959-01-01	1959-01-01		
AL 42	A	30SP	30SP-C1		55	1959-01-01	1959-01-01		
AL 42	B	30SP	30SP-C1		62.5	1959-01-01	1959-01-01		
AL 42	C	30SP	30SP-C1		75	1959-01-01	1959-01-01		
AL 45	A	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 45	B	30SP	30SP-F1		67.5	1959-01-01	1959-01-01		
AL 45	C	30SP	30SP-F1		72.5	1959-01-01	1959-01-01		
AL 49	A	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	C	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	XA1	P-2SWH	T23WE-AWH-H1			1980-01-01		Sawn Horz	Wood
AL 50	A	P-2SWH	T23WE-AWH-H1	2	65	1995-07-07	1995-01-01		
AL 50	B	P-2SWH	T23WE-AWH-H1	2	60	1995-07-07	1995-01-01		
AL 50	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 50	XA1	P-2SWH	T23WE-AWH-H1			1980-01-01		Sawn Horz	Wood
AL 51	A	P-2SWH	T22WA-TSH	2	65	1982-01-01	1977-01-01		
AL 51	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 51	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 52	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 52	B	P-2SWH	T22WA-TSH	2	55	1982-01-01	1982-01-01		
AL 52	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 52	XB1	P-2SWH	T22WA-TSH						
AL 53	A	P-2SWH	T22WA-TSH	2	70	1959-01-01	1959-01-01		
AL 53	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 53	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 53	XB1	P-2SWH	T22WA-TSH						
AL 54	A	P-2SWH	22WA-WSH	2	75	2012-06-21	2010-01-01		
AL 54	B	P-2SWH	22WA-WSH	2	70	2012-06-21	2011-01-01		
AL 54	XA1	P-2SWH	22WA-WSH			2012-06-21		Wide Flange Horz	Steel
AL 54	XB1	P-2SWH	22WA-WSH						
AL 55	A	P-2SWH	T22WA-TSH-C1	2	75	1981-01-01	1981-01-01		
AL 55	B	P-2SWH	T22WA-TSH-C1	2	70	1959-01-01	1959-01-01		
AL 55	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 56	A	P-2SWH	23WC-WSH	1	60	2019-09-01	2015-01-01		
AL 56	B	P-2SWH	23WC-WSH	1	55	2019-09-01	2015-01-01		
AL 56	C	P-2SWH	23WC-WSH	1	50	2019-09-01	2015-01-01		
AL 56	XA1	P-2SWH	23WC-WSH			2019-09-01	2019-01-01	Spar Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 57	A	P-2SWH	22WA-WSH	1	70	2018-09-01	2016-01-01		
AL 57	B	P-2SWH	22WA-WSH	1	60	2018-09-01	2015-01-01		
AL 57	XA1	P-2SWH	22WA-WSH			2018-09-01	2018-01-01	Wide Flange Horz	Steel
AL 57	XB1	P-2SWH	22WA-WSH			2018-09-01	2018-01-01		
AL 58	A	P-2SWH	T22WA-TSH	2	70	2010-05-18	2009-01-01		
AL 58	B	P-2SWH	T22WA-TSH	2	65	1977-01-01	1977-01-01		
AL 58	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 58	XB1	P-2SWH	T22WA-TSH						
AL 59	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 59	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 59	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 60	A	P-2SWH	T23WE-AWH-H1	2	70	1975-01-01	1975-01-01		
AL 60	B	P-2SWH	T23WE-AWH-H1	2	65	1975-01-01	1975-01-01		
AL 60	C	P-2SWH	T23WE-AWH-H1	2	60	1971-01-01	1971-01-01		
AL 60	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood
AL 61	A	P-2SWH	23WG-WSH	2	75	2012-06-14	2010-01-01		
AL 61	B	P-2SWH	23WG-WSH	2	65	2012-06-14	2011-01-01		
AL 61	C	P-2SWH	23WG-WSH	2	60	2012-06-14	2011-01-01		
AL 61	XA1	P-2SWH	23WG-WSH			1981-01-01		Wide Flange Horz	Steel
AL 62	A	P-2SWH	T22WA-TSH	2	60	2012-07-26	2010-01-01		
AL 62	B	P-2SWH	T22WA-TSH	2	55	2012-07-26	2012-01-01		
AL 62	XA1	P-2SWH	T22WA-TSH			2012-07-26		Truss Horz	Steel
AL 63	A	P-2SWH	T22WA-TSH-C1	2	70	1987-10-23	1981-01-01		
AL 63	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 63	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 64	A	P-2SWH	T22WA-TSH	2	65	2010-05-19	2008-01-01		
AL 64	B	P-2SWH	T22WA-TSH	2	55	2010-05-19	2007-01-01		
AL 64	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 64	XB1	P-2SWH	T22WA-TSH						
AL 65	A	P-2SWH	T23WE-AWH-H1	2	90	1959-01-01	1959-01-01		
AL 65	B	P-2SWH	T23WE-AWH-H1	2	80	1959-01-01	1959-01-01		
AL 65	C	P-2SWH	T23WE-AWH-H1	H1	80	2014-05-15	2014-01-01		
AL 65	XA1	P-2SWH	T23WE-AWH-H1			1992-04-16		Sawn Horz	Wood
AL 66	A	P-2SWH	T23WE-AWH-H1	2	90	1975-01-01	1975-01-01		
AL 66	B	P-2SWH	T23WE-AWH-H1	2	85	1959-01-01	1959-01-01		
AL 66	C	P-2SWH	T23WE-AWH-H1	2	85	1990-08-06	1988-01-01		
AL 66	XA1	P-2SWH	T23WE-AWH-H1			1992-04-16		Sawn Horz	Wood
AL 67	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 67	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 67	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 67	XB1	P-2SWH	T22WA-TSH						
AL 68	A	P-2SWH	T22WA-TSH-C1	2	70	1975-01-01	1975-01-01		
AL 68	B	P-2SWH	T22WA-TSH-C1	2	70	1998-08-12	1998-01-01		
AL 68	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 69	A	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2000-01-01		
AL 69	B	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2000-01-01		
AL 69	C	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2002-01-01		
AL 69	XA1	P-2SWH	T23WE-AWH-H1			1992-03-13		Sawn Horz	Wood
AL 70	A	P-2SWH	T22WA-TSH-C1	2	55	2007-02-15	2005-01-01		
AL 70	B	P-2SWH	T22WA-TSH-C1	2	55	2007-02-14	2005-01-01		
AL 70	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 70	XB1	P-2SWH	T22WA-TSH-C1						
AL 71	A	P-2SWH	22WA-WSH	1	50	2017-08-01	2016-01-01		
AL 71	B	P-2SWH	22WA-WSH	1	50	2017-08-01	2016-01-01		
AL 71	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 71	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 72	A	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 72	B	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 72	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 72	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 73	A	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	B	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	C	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	XA1	P-2SWH	23WE-WSH			1977-01-01		Wide Flange Horz	Steel
AL 74	A	P-2SWH	T22WA-TSH	2	55	2006-05-01	2005-01-01		
AL 74	B	P-2SWH	T22WA-TSH	2	55	2006-05-01	2005-01-01		
AL 74	XA1	P-2SWH	T22WA-TSH			2006-05-01		Truss Horz	Steel
AL 74	XB1	P-2SWH	T22WA-TSH						
AL 75	A	P-2SWH	T22WA-TSH-C1	2	60	2006-05-02	2005-01-01		
AL 75	B	P-2SWH	T22WA-TSH-C1	2	60	2006-05-02	2005-01-01		
AL 75	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 76	A	P-2SWH	T22WA-TSH-C1	2	65	2006-05-15	2005-01-01		
AL 76	B	P-2SWH	T22WA-TSH-C1	2	65	2006-05-15	2005-01-01		
AL 76	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 77	A	P-2SWH	T22WA-TSH	2	55	2006-05-03	2005-01-01		
AL 77	B	P-2SWH	T22WA-TSH	2	55	2006-05-02	2002-01-01		
AL 77	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 77	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 78	A	P-2SWH	T22WA-TSH	2	60	2006-05-04	2004-01-01		
AL 78	B	P-2SWH	T22WA-TSH	2	60	2006-05-03	2004-01-01		
AL 78	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 78	XB1	P-2SWH	T22WA-TSH						
AL 79	A	P-2SWH	T22WA-TSH	2	60	1998-08-13	1998-01-01		
AL 79	B	P-2SWH	T22WA-TSH	2	60	2006-05-17	2005-01-01		
AL 79	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 79	XB1	P-2SWH	T22WA-TSH						
AL 80	A	P-2SWH	T22WA-TSH-C1	2	70	2006-05-16	2004-01-01		
AL 80	B	P-2SWH	T22WA-TSH-C1	2	70	2006-05-16	2005-01-01		
AL 80	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 81	A	P-2SWH	T23WG-WSH-W1H1	2	85	2012-08-14	2011-01-01		
AL 81	B	P-2SWH	T23WG-WSH-W1H1	2	80	2012-08-14	2010-01-01		
AL 81	C	P-2SWH	T23WG-WSH-W1H1	2	85	2012-08-14	2011-01-01		
AL 81	XA1	P-2SWH	T23WG-WSH-W1H1			1982-01-01		Wide Flange Horz	Steel
AL 82	A	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	B	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	C	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	XA1	P-2SWH	T23WG-SWH-W1H1			2017-08-02		Spar Horz	Wood
AL 83	A	P-2SWH	T22WA-TSH	2	50	2006-05-04	2000-01-01		
AL 83	B	P-2SWH	T22WA-TSH	2	50	1985-01-01	1985-01-01		
AL 83	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 83	XB1	P-2SWH	T22WA-TSH						
AL 84	A	P-2SWH	T22WA-TSH-C1	2	65	2014-10-19	2014-01-01		
AL 84	B	P-2SWH	T22WA-TSH-C1	2	70	2014-10-19	2011-01-01		
AL 84	XA1	P-2SWH	T22WA-TSH-C1			2014-10-19		Double Truss Horz	Steel
AL 85	A	P-2SWH	T22WA-TSH-C1	2	60	2014-10-19	2013-01-01		
AL 85	B	P-2SWH	T22WA-TSH-C1	2	60	2014-10-19	2013-01-01		
AL 85	XA1	P-2SWH	T22WA-TSH-C1			2014-10-19		Double Truss Horz	Steel
AL 86	A	P-2SWH	T22WA-TSH	2	45	1992-04-14	1991-01-01		
AL 86	B	P-2SWH	T22WA-TSH	2	45	1959-01-01	1959-01-01		
AL 86	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 87	A	P-2SWH	23WC-WSH	1	50	2018-09-01	2016-01-01		
AL 87	B	P-2SWH	23WC-WSH	1	50	2018-09-01	2015-01-01		
AL 87	C	P-2SWH	23WC-WSH	1	50	2018-09-01	2016-01-01		
AL 87	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 88	A	P-2SWH	22WA-WSH	1	55	2018-08-01	2015-01-01		
AL 88	B	P-2SWH	22WA-WSH	1	60	2018-08-01	2015-01-01		
AL 88	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 88	XB1	P-2SWH	22WA-WSH			2018-09-02			

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 89	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 89	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 89	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 89	XB1	P-2SWH	T22WA-TSH						
AL 90	A	P-2SWH	T23WC-SWH	2	60	2014-10-19	2013-01-01		
AL 90	B	P-2SWH	T23WC-SWH	2	60	1988-09-01	1987-01-01		
AL 90	C	P-2SWH	T23WC-SWH	2	60	2006-05-05	2004-01-01		
AL 90	XA1	P-2SWH	T23WC-SWH			1982-01-01		Spar Horz	Wood
AL 91	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 91	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 91	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 91	XB1	P-2SWH	T22WA-TSH						
AL 92	A	P-2SWH	T22WA-TSH	2	45	1981-01-01	1981-01-01		
AL 92	B	P-2SWH	T22WA-TSH	2	50	1985-01-01	1985-01-01		
AL 92	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 92	XB1	P-2SWH	T22WA-TSH						
AL 93	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 93	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 93	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 93	XB1	P-2SWH	T22WA-TSH						
AL 94	A	P-2SWH	T22WA-TSH	2	60	1992-04-14	1991-01-01		
AL 94	B	P-2SWH	T22WA-TSH	2	60	1982-01-01	1982-01-01		
AL 94	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 94	XB1	P-2SWH	T22WA-TSH						
AL 95	A	P-2SWH	22WA-WSH	1	55	2018-08-01	2017-01-01		
AL 95	B	P-2SWH	22WA-WSH	1	55	2018-09-01	2017-01-01		
AL 95	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 96	A	P-2SWH	23WC-WSH	1	55	2018-09-01	2015-01-01		
AL 96	B	P-2SWH	23WC-WSH	1	50	2018-09-01	2017-01-01		
AL 96	C	P-2SWH	23WC-WSH	1	60	2018-09-01	2015-01-01		
AL 96	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 97	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 97	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 97	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 97	XB1	P-2SWH	T22WA-TSH						
AL 98	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 98	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 98	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 98	XB1	P-2SWH	T22WA-TSH						



Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 99	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 99	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 99	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 99	XB1	P-2SWH	T22WA-TSH						
AL 100	A	P-2SWH	T23WE-AWH-H1	2	70	1998-08-12	1996-01-01		
AL 100	B	P-2SWH	T23WE-AWH-H1	2	70	1959-01-01	1959-01-01		
AL 100	C	P-2SWH	T23WE-AWH-H1	2	75	1959-01-01	1959-01-01		
AL 100	XA1	P-2SWH	T23WE-AWH-H1			1981-01-01		Sawn Horz	Wood
AL 101	A	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 101	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 101	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 101	XB1	P-2SWH	T22WA-TSH-C1						
AL 102	A	P-2SWH	T23WC-SWH	2	65	1959-01-01	1959-01-01		
AL 102	B	P-2SWH	T23WC-SWH	2	65	1994-05-18	1991-01-01		
AL 102	C	P-2SWH	T23WC-SWH	2	65	1992-04-15	1991-01-01		
AL 102	XA1	P-2SWH	T23WC-SWH			1984-01-01		Spar Horz	Wood
AL 103	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 103	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 103	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 103	XB1	P-2SWH	T22WA-TSH						
AL 104	A	P-2SWH	T22WA-TSH	2	70	2006-05-18	2005-01-01		
AL 104	B	P-2SWH	T22WA-TSH	2	70	2006-05-18	2004-01-01		
AL 104	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 105	A	P-2SWH	T22WA-TSH	2	55	2006-05-18	2005-01-01		
AL 105	B	P-2SWH	T22WA-TSH	2	60	2006-05-17	2004-01-01		
AL 105	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 106	A	P-2SWH	23WC-WSH	2	55	2017-08-01	2015-01-01		
AL 106	B	P-2SWH	23WC-WSH	2	60	2017-08-01	2015-01-01		
AL 106	C	P-2SWH	23WC-WSH	2	65	2017-08-01	2015-01-01		
AL 106	XA1	P-2SWH	23WC-WSH			2017-08-02		Spar Horz	Wood
AL 107	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 107	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 107	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 107	XB1	P-2SWH	T22WA-TSH						
AL 108	A	P-2SWH	T22WA-TSH	2	70	1988-09-01	1987-01-01		
AL 108	B	P-2SWH	T22WA-TSH	2	65	1987-01-01	1987-01-01		
AL 108	XA1	P-2SWH	T22WA-TSH			1970-01-01		Truss Horz	Steel
AL 109	A	P-2SWH	T22WA-TSH	2	55	2002-05-23	2001-01-01		
AL 109	B	P-2SWH	T22WA-TSH	2	55	2002-05-23	2000-01-01		
AL 109	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 109	XB1	P-2SWH	T22WA-TSH						
AL 110	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 110	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 110	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 111	A	P-2SWH	T23WE-AWH-H1	2	55	1959-01-01	1959-01-01		
AL 111	B	P-2SWH	T23WE-AWH-H1	2	55	1959-01-01	1959-01-01		
AL 111	C	P-2SWH	T23WE-AWH-H1	2	55	1984-01-01	1984-01-01		
AL 111	XA1	P-2SWH	T23WE-AWH-H1			1985-01-01		Sawn Horz	Wood
AL 112	A	P-2SWH	23WE-WSH	2	50	2018-09-01	2015-01-01		
AL 112	B	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 112	C	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 112	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 113	A	P-2SWH	T23WC-SWH-H2	2	55	1959-01-01	1959-01-01		
AL 113	B	P-2SWH	T23WC-SWH-H2	2	55	1959-01-01	1959-01-01		
AL 113	C	P-2SWH	T23WC-SWH-H2	2	55	1981-01-01	1981-01-01		
AL 113	XA1	P-2SWH	T23WC-SWH-H2			1982-01-01		Spar Horz	Wood
AL 114	A	P-2SWH	T22WA-TSH	2	65	1965-01-01	1965-01-01		
AL 114	B	P-2SWH	T22WA-TSH	2	65	1967-01-01	1967-01-01		
AL 114	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 115	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 115	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 115	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 115	XB1	P-2SWH	T22WA-TSH						
AL 116	A	P-2SWH	T22WA-TSH	2	60	1984-01-01	1984-01-01		
AL 116	B	P-2SWH	T22WA-TSH	2	60	1974-01-01	1974-01-01		
AL 116	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 116	XB1	P-2SWH	T22WA-TSH						
AL 117	A	P-2SWH	T23WE-AWH-H1	2	55	2011-05-02	2008-01-01		
AL 117	B	P-2SWH	T23WE-AWH-H1	2	55	2011-05-04	2007-01-01		
AL 117	C	P-2SWH	T23WE-AWH-H1	2	55	2011-05-05	2007-01-01		
AL 117	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood
AL 118	A	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 118	B	P-2SWH	T22WA-TSH-C1	2	65	1959-01-01	1959-01-01		
AL 118	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 119	A	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 119	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 119	C	P-2SWH	T23WE-AWH-H1	2	70	1959-01-01	1959-01-01		
AL 119	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 120	A	P-2SWH	T22WA-TSH	2	50	2007-02-14	2002-01-01		
AL 120	B	P-2SWH	T22WA-TSH	2	50	2007-02-13	1999-01-01		
AL 120	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 120	XB1	P-2SWH	T22WA-TSH						
AL 121	A	P-2SWH	T22WA-TSH	2	50	2007-02-13	2000-01-01		
AL 121	B	P-2SWH	T22WA-TSH	2	50	2007-02-13	2002-01-01		
AL 121	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 122	A	P-2SWH	T22WA-TSH-C1	2	75	1959-01-01	1959-01-01		
AL 122	B	P-2SWH	T22WA-TSH-C1	2	70	1981-01-01	1981-01-01		
AL 122	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 123	A	P-2SWH	T22WA-TSH-C1	2	65	1973-01-01	1973-01-01		
AL 123	B	P-2SWH	T22WA-TSH-C1	2	65	2010-05-21	2007-01-01		
AL 123	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 124	A	P-2SWH	22WA-WSH	2	75	2012-08-17	2012-01-01		
AL 124	B	P-2SWH	22WA-WSH	2	70	2012-08-17	2012-01-01		
AL 124	XA1	P-2SWH	22WA-WSH			1959-01-01		Wide Flange Horz	Steel
AL 124	XB1	P-2SWH	22WA-WSH						
AL 125	A	P-2SWH	T23WE-AWH-H1	2	70	1981-01-01	1981-01-01		
AL 125	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 125	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 125	XA1	P-2SWH	T23WE-AWH-H1			1982-01-01		Sawn Horz	Wood
AL 126	A	P-2SWH	T22WA-TSH	2	50	1978-01-01	1978-01-01		
AL 126	B	P-2SWH	T22WA-TSH	2	50	2004-05-05	2001-01-01		
AL 126	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 126	XB1	P-2SWH	T22WA-TSH						
AL 127	A	P-2SWH	22WA-WSH	1	70	2019-09-01	2015-01-01		
AL 127	B	P-2SWH	22WA-WSH	1	70	2019-09-01	2015-01-01		
AL 127	XA1	P-2SWH	22WA-WSH			2019-09-01	2019-01-01	Double Truss Horz	Steel
AL 127	XB1	P-2SWH	22WA-WSH			2019-09-02			Steel
AL 128	A	P-2SWH	23WG-WSH	2	75	2012-06-29	2012-01-01		
AL 128	B	P-2SWH	23WG-WSH	2	75	2012-06-29	2012-01-01		
AL 128	C	P-2SWH	23WG-WSH	2	80	2012-06-29	2012-01-01		
AL 128	XA1	P-2SWH	23WG-WSH			1987-08-01		Wide Flange Horz	Steel
AL 129	A	P-2SWH	22WA-WSH	1	65	2018-09-01	2015-01-01		
AL 129	B	P-2SWH	22WA-WSH	1	65	2018-09-01	2016-01-01		
AL 129	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 130	A	P-2SWH	22WA-WSH-C1	2	85	2018-09-01	2016-01-01		
AL 130	B	P-2SWH	22WA-WSH-C1	2	85	2018-09-01	2016-01-01		
AL 130	XA1	P-2SWH	22WA-WSH-C1			1959-01-01		Double Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 131	A	P-2SWH	22WA-WSH-C1	2	80	2018-09-01	2016-01-01		
AL 131	B	P-2SWH	22WA-WSH-C1	2	80	2018-09-01	2016-01-01		
AL 131	XA1	P-2SWH	22WA-WSH-C1			1959-01-01		Truss Horz	Steel
AL 132	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 132	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 132	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 133	A	P-2SWH	T22WA-TSH	1	55	2017-08-01	2015-01-01		
AL 133	B	P-2SWH	T22WA-TSH	1	60	2017-08-01	2016-01-01		
AL 133	XA1	P-2SWH	T22WA-TSH			2017-08-01		Truss Horz	Steel
AL 133	XB1	P-2SWH	T22WA-TSH						Steel
AL 134	A	P-2SWH	22WA-WSH	1	60	2017-08-01	2016-01-01		
AL 134	B	P-2SWH	22WA-WSH	1	65	2017-08-01	2016-01-01		
AL 134	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 134	XB1	P-2SWH	22WA-WSH			2017-08-01			
AL 135	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	B	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	C	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	XA1	P-2SWH	T23WE-AWH-H1			1959-01-01		Sawn Horz	Wood
AL 136	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 136	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 136	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 136	XB1	P-2SWH	T22WA-TSH						
AL 137	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 137	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 137	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 137	XB1	P-2SWH	T22WA-TSH						
AL 138	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 138	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 138	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 138	XB1	P-2SWH	T22WA-TSH						
AL 139	A	P-2SWH	T22WA-TSH	2	55	2004-05-04	2002-01-01		
AL 139	B	P-2SWH	T22WA-TSH	2	55	2004-05-04	2002-01-01		
AL 139	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 139	XB1	P-2SWH	T22WA-TSH						
AL 140	A	P-2SWH	T22WA-TSH	2	60	2004-05-04	2001-01-01		
AL 140	B	P-2SWH	T22WA-TSH	2	60	2004-05-04	2000-01-01		
AL 140	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 140	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 141	A	P-2SWH	23WC-WSH	1	55	2019-09-01	2017-01-01		
AL 141	B	P-2SWH	23WC-WSH	1	55	2019-09-01	2015-01-01		
AL 141	C	P-2SWH	23WC-WSH	1	60	2019-09-01	2016-01-01		
AL 141	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 142	A	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 142	B	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 142	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 142	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 143	A	P-2SWH	22WA-WSH	1	60	2017-08-01	2015-01-01		
AL 143	B	P-2SWH	22WA-WSH	1	60	2017-08-01	2015-01-01		
AL 143	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 143	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 144	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 144	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 144	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 144	XB1	P-2SWH	T22WA-TSH						
AL 145	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 145	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 145	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 145	XB1	P-2SWH	T22WA-TSH						
AL 146	A	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	B	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	C	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	XA1	P-2SWH	T23WB-SWH			1980-01-01		Spar Horz	Wood
AL 147	A	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 147	B	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 147	C	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 147	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 148	A	P-2SWH	23WE-WSH	2	60	2018-09-01	2016-01-01		
AL 148	B	P-2SWH	23WE-WSH	2	65	2018-09-01	2016-01-01		
AL 148	C	P-2SWH	23WE-WSH	2	70	2018-09-01	2016-01-01		
AL 148	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 148	XB1	P-2SWH	23WE-WSH			2018-09-03			
AL 149	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 149	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 149	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 149	XB1	P-2SWH	T22WA-TSH						
AL 150	A	P-2SWH	T22WA-TSH-C1	2	60	1993-09-09	1992-01-01		
AL 150	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 150	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 151	A	P-2SWH	T23WC-SWH-H2	2	70	1959-01-01	1959-01-01		
AL 151	B	P-2SWH	T23WC-SWH-H2	2	70	2010-05-14	2009-01-01		
AL 151	C	P-2SWH	T23WC-SWH-H2	2	70	1993-09-09	1992-01-01		
AL 151	XA1	P-2SWH	T23WC-SWH-H2			1985-01-01		Spar Horz	Wood
AL 152	A	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	B	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	C	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	XA1	P-2SWH	23WE-WSH			1985-01-01		Sawn Horz	Wood
AL 153	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 153	B	P-2SWH	T23WE-AWH-H1	2	55	1982-01-01	1982-01-01		
AL 153	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 153	XA1	P-2SWH	T23WE-AWH-H1			1982-01-01		Sawn Horz	Wood
AL 154	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 154	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 154	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 155	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 155	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 155	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 156	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 156	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 156	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 156	XB1	P-2SWH	T22WA-TSH						
AL 157	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 157	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 157	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 157	XB1	P-2SWH	T22WA-TSH						
AL 158	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 158	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 158	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 158	XB1	P-2SWH	T22WA-TSH						
AL 159	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	B	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	C	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	XA1	P-2SWH	T23WE-AWH-H1			1959-01-01		Sawn Horz	Wood
AL 159	XB1	P-2SWH	T23WE-AWH-H1						
AL 160	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 160	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 160	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 160	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 161	A	P-2SWH	T22WA-TSH	2	55	1982-01-01	1982-01-01		
AL 161	B	P-2SWH	T22WA-TSH	2	60	1993-09-09	1992-01-01		
AL 161	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 161	XB1	P-2SWH	T22WA-TSH						
AL 162	A	P-2SWH	T22WA-TSH	2	55	2010-05-20	2008-01-01		
AL 162	B	P-2SWH	T22WA-TSH	2	60	2010-05-20	2009-01-01		
AL 162	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 162	XB1	P-2SWH	T22WA-TSH						
AL 163	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 163	B	P-2SWH	T22WA-TSH	2	55	2002-05-22	2001-01-01		
AL 163	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 163	XB1	P-2SWH	T22WA-TSH						
AL 164	A	P-2SWH	T22WA-TSH	2	55	2002-04-26	2000-01-01		
AL 164	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 164	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 164	XB1	P-2SWH	T22WA-TSH						
AL 165	A	P-2SWH	23WC-WSH	2	50	2002-04-24	2000-01-01		
AL 165	B	P-2SWH	23WC-WSH	2	50	2012-06-20	2010-01-01		
AL 165	C	P-2SWH	23WC-WSH	2	50	2012-06-20	2010-01-01		
AL 165	XA1	P-2SWH	23WC-WSH			1959-01-01		Wide Flange Horz	Steel
AL 166	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 166	B	P-2SWH	T22WA-TSH	2	75	1990-08-07	1988-01-01		
AL 166	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 167	A	P-2SWH	T22WA-TSH	2	75	1992-04-15	1988-01-01		
AL 167	B	P-2SWH	T22WA-TSH	2	75	1975-01-01	1975-01-01		
AL 167	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 168	A	P-2SWH	T23WC-SWH	2	65	2002-04-24	2001-01-01		
AL 168	B	P-2SWH	T23WC-SWH	2	65	1971-01-01	1971-01-01		
AL 168	C	P-2SWH	T23WC-SWH	2	65	1971-01-01	1971-01-01		
AL 168	XA1	P-2SWH	T23WC-SWH			1980-01-01		Spar Horz	Wood
AL 169	A	P-2SWH	T22WA-TSH	2	65	1972-01-01	1972-01-01		
AL 169	B	P-2SWH	T22WA-TSH	2	70	1970-01-01	1970-01-01		
AL 169	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 169	XB1	P-2SWH	T22WA-TSH						
AL 170	A	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	B	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	C	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	XA1	P-2SWH	T23WC-SWH			1980-01-01		Spar Horz	Wood
AL 171	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 171	B	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 171	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 172	A	P-2SWH	T22WA-TSH	2	80	1985-01-01	1985-01-01		
AL 172	B	P-2SWH	T22WA-TSH	2	80	1959-01-01	1959-01-01		
AL 172	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 173	A	P-2SWH	22WA-WSH	2	75	2012-06-19	2012-01-01		
AL 173	B	P-2SWH	22WA-WSH	2	75	2012-06-19	2012-01-01		
AL 173	XA1	P-2SWH	22WA-WSH			2012-06-19		Wide Flange Horz	Steel
AL 173	XB1	P-2SWH	22WA-WSH						
AL 174	A	P-2SWH	T22WA-TSH	2	65	1972-01-01	1972-01-01		
AL 174	B	P-2SWH	T22WA-TSH	2	65	2004-05-03	2002-01-01		
AL 174	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 174	XB1	P-2SWH	T22WA-TSH						
AL 175	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 175	B	P-2SWH	T22WA-TSH	2	65	1971-01-01	1971-01-01		
AL 175	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 176	A	P-2SWH	T22WA-TSH	2	60	2010-05-12	2009-01-01		
AL 176	B	P-2SWH	T22WA-TSH	2	60	2010-05-12	2008-01-01		
AL 176	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 176	XB1	P-2SWH	T22WA-TSH						
AL 177	A	P-2SWH	T22WA-TSH	2	60	2010-05-11	2009-01-01		
AL 177	B	P-2SWH	T22WA-TSH	2	60	2010-05-11	2009-01-01		
AL 177	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 177	XB1	P-2SWH	T22WA-TSH						
AL 178	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 178	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 178	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 178	XB1	P-2SWH	T22WA-TSH						
AL 179	A	P-2SWH	22WA-WSH		70	2018-09-01	2016-01-01		
AL 179	B	P-2SWH	22WA-WSH		70	2017-08-01	2016-01-01		
AL 179	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 179	XB1	P-2SWH	22WA-WSH			2017-08-01			Steel
AL 180	A	P-2SWH	22WA-WSH	1	70	2017-08-01	2015-01-01		
AL 180	B	P-2SWH	22WA-WSH	1	70	2017-08-01	2016-01-01		
AL 180	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 180	XB1	P-2SWH	22WA-WSH			2017-08-01			Steel
AL 181	A	P-2SWH	T23WE-AWH-H1	2	60	1990-08-08	1989-01-01		
AL 181	B	P-2SWH	T23WE-AWH-H1	2	60	1990-07-12	1988-01-01		
AL 181	C	P-2SWH	T23WE-AWH-H1	2	70	1975-01-01	1975-01-01		
AL 181	XA1	P-2SWH	T23WE-AWH-H1			1975-01-01		Sawn Horz	Wood



Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 182	A	P-2SWH	22WA-WSH	2	50	2012-06-18	2012-01-01		
AL 182	B	P-2SWH	22WA-WSH	2	55	2012-06-18	2008-01-01		
AL 182	XA1	P-2SWH	22WA-WSH			2012-06-18		Wide Flange Horz	Steel
AL 183	A	P-2SWH	22WA-WSH	2	55	2018-09-01	2016-01-01		
AL 183	B	P-2SWH	22WA-WSH	2	60	2018-09-01	2016-01-01		
AL 183	XA1	P-2SWH	22WA-WSH			2018-09-02		Wide Flange Horz	Steel
AL 184	A	P-2SWH	T23WC-SWH-U2	2	60	2010-05-12	2009-01-01		
AL 184	B	P-2SWH	T23WC-SWH-U2	2	60	2010-05-12	2008-01-01		
AL 184	C	P-2SWH	T23WC-SWH-U2	2	60	1997-06-26	1992-01-01		
AL 184	XA1	P-2SWH	T23WC-SWH-U2			1985-01-01		Spar Horz	Wood
AL 185	A	P-2SWH	T22WA-TSH	2	55	2010-05-13	2007-01-01		
AL 185	B	P-2SWH	T22WA-TSH	2	55	1994-05-19	1993-01-01		
AL 185	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 185	XB1	P-2SWH	T22WA-TSH						
AL 186	A	P-2SWH	23WF-WSH	2	40	2018-09-01	2016-01-01		
AL 186	B	P-2SWH	23WF-WSH	2	45	2019-09-01	2009-01-01		
AL 186	C	P-2SWH	23WF-WSH	2	50	2019-09-01	2008-01-01		
AL 186	XA1	P-2SWH	23WF-WSH			2019-09-02		Sawn Horz	Wood
AL 187	A	P-2SWH	T22WA-TSH	2	60	1996-07-01	1995-01-01		
AL 187	B	P-2SWH	T22WA-TSH	2	60	1960-07-01	1959-01-01		
AL 187	XA1	P-2SWH	T22WA-TSH			1992-06-10		Truss Horz	Steel
AL 187	XB1	P-2SWH	T22WA-TSH						
AL 188	A	P-2SWH	T22WA-TSH	2	70	1959-01-01	1959-01-01		
AL 188	B	P-2SWH	T22WA-TSH	2	70	1981-01-01	1981-01-01		
AL 188	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 189	A	P-2SWH	T23WE-AWH-H1	2	75	2010-05-13	2007-01-01		
AL 189	B	P-2SWH	T23WE-AWH-H1	2	75	1972-01-01	1972-01-01		
AL 189	C	P-2SWH	T23WE-AWH-H1	2	75	1959-01-01	1959-01-01		
AL 189	XA1	P-2SWH	T23WE-AWH-H1			1984-01-01		Sawn Horz	Wood
BEK 190	A	OLP2	OLP2-N		103	2018-01-01	2018-01-01		

Towers			Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1								
Mile	Struc	Structure Serial Number	Leg 1 Soil	Leg 1 Footing	Leg 2 Soil	Leg 2 Footing	Leg 3 Soil	Leg 3 Footing	Leg 4 Soil	Leg 4 Footing	
1	1	AL 2	Loose Rock	Grill	Loose Rock	Grill	Loose Rock	Grill	Loose Rock	Grill	
1	2	AL 3	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	
1	3	AL 4	Earth	Grill	Earth	Grill	Earth	Grill	Earth	Grill	
1	4	AL 5	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	
1	5	AL 6	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	
1	6	AL 7	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	
2	2	AL 9	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
3	1	AL 13	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
3	3	AL 15	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
3	4	AL 16	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
4	1	AL 18	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
4	2	AL 19	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
4	3	AL 20	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
4	5	AL 22	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
4	6	AL 23	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate	
5	1	AL 24	Earth &	Plate	Earth &	Plate	Earth &	Plate	Earth &	Plate	
5	2	AL 25	Earth &	Plate	Earth &	Plate	Earth &	Plate	Earth &	Plate	
5	3	AL 26	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
5	5	AL 28	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
6	1	AL 29	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
6	4	AL 32	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
6	5	AL 33	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	
7	1	AL 34	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
7	2	AL 35	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
7	4	AL 37	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
8	1	AL 39	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
8	2	AL 40	Earth & Rock	Grill	Earth & Rock	Grill	Earth & Rock	Grill	Earth & Rock	Grill	
8	3	AL 41	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	
8	5	AL 43	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	
9	1	AL 44	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	
9	3	AL 46	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
9	4	AL 47	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	
9	5	AL 48	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	

<b>Switches</b>				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1				
<b>Mile</b>	<b>Struc</b>	<b>Structure Serial Number</b>	<b>Delta FAL</b>	<b>SER Number</b>	<b>Drawing Number</b>	<b>Sheet Number</b>	<b>Revision Number</b>	<b>Operating Number</b>
115	6	AL 30	Ah	B-1460	115	1200		
115	6	AL 30	Bk	B-1449	115			

<b>Guying</b>				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1		
Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
2	1	AL 8	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	1	AL 8	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	1	AL 8	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	1	AL 8	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
2	4	AL 11	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	4	AL 11	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	4	AL 11	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	4	AL 11	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
2	5	AL 12	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	5	AL 12	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	5	AL 12	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	5	AL 12	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
3	2	AL 14	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
3	2	AL 14	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
3	2	AL 14	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
3	2	AL 14	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
3	5	AL 17	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
3	5	AL 17	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
3	5	AL 17	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
3	5	AL 17	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
4	4	AL 21	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
4	4	AL 21	5	PA	Side	5/8" EHS, Std Cable Attach Hrdw
4	4	AL 21	5	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
5	4	AL 27	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
5	4	AL 27	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
5	4	AL 27	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
5	4	AL 27	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
6	2	AL 30	4	PA	Side	5/8" EHS, Std Cable Attach Hrdw
6	2	AL 30	8	PA	Line	5/8" EHS, Std Cable Attach Hrdw
6	2	AL 30	12	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
6	3	AL 31	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
6	3	AL 31	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
6	3	AL 31	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
6	3	AL 31	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
7	3	AL 36	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
7	3	AL 36	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
7	3	AL 36	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
7	3	AL 36	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
7	5	AL 38	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
7	5	AL 38	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
7	5	AL 38	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
7	5	AL 38	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
8	4	AL 42	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
8	4	AL 42	5	PA	Side	5/8" EHS, Std Cable Attach Hrdw
8	4	AL 42	5	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 12' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
9	2	AL 45	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
9	2	AL 45	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
9	2	AL 45	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
9	2	AL 45	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
10	1	AL 49	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
10	1	AL 49	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
10	1	AL 49	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
10	2	AL 50	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
10	2	AL 50	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
10	2	AL 50	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
10	2	AL 50	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
10	2	AL 50	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
10	2	AL 50	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
10	2	AL 50	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
10	2	AL 50	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
11	1	AL 55	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
11	1	AL 55	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
11	1	AL 55	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	1	AL 55	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	1	AL 55	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	1	AL 55	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	2	AL 56	3	PA	Side	1/2" SM, Alt Cable Attach Hrdw
11	2	AL 56	3	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	2	AL 56	3	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	5	AL 59	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
11	5	AL 59	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
11	5	AL 59	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	5	AL 59	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	5	AL 59	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	5	AL 59	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	6	AL 60	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
11	6	AL 60	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
11	6	AL 60	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	6	AL 60	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	6	AL 60	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	6	AL 60	1	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 7' Anchor Rod
11	6	AL 60	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
11	6	AL 60	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
11	6	AL 60	7	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
11	7	AL 61	2	HX	Cross	1-Unit, 8' Fiberglass, 503676, 1 Curved Guy Plate, 14' Spacing, Installed 2008-Present
11	7	AL 61	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
11	7	AL 61	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
11	7	AL 61	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	7	AL 61	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	7	AL 61	6	DPAD	Line	1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
11	7	AL 61	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
11	7	AL 61	8	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
12	1	AL 63	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
12	1	AL 63	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
12	1	AL 63	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	1	AL 63	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	1	AL 63	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	1	AL 63	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
12	3	AL 65	3	DP2AD		1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
12	3	AL 65	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
12	3	AL 65	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
12	4	AL 66	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
12	4	AL 66	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
12	4	AL 66	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	4	AL 66	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	4	AL 66	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	4	AL 66	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
12	4	AL 66	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
12	4	AL 66	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
12	6	AL 68	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
12	6	AL 68	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
12	6	AL 68	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	6	AL 68	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	6	AL 68	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	6	AL 68	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
12	7	AL 69	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
12	7	AL 69	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
12	7	AL 69	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	4	AL 73	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
13	4	AL 73	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
13	4	AL 73	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	6	AL 75	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
13	6	AL 75	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
13	6	AL 75	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
13	6	AL 75	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
13	6	AL 75	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
13	6	AL 75	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	7	AL 76	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
13	7	AL 76	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
13	7	AL 76	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
13	7	AL 76	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
13	7	AL 76	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
13	7	AL 76	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
14	5	AL 81	2	HX	Cross	1-Unit, 8' Fiberglass, 503676, 1 Curved Guy Plate, 14' Spacing, Installed 2008-Present
14	5	AL 81	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
14	5	AL 81	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
14	5	AL 81	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
14	5	AL 81	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
14	5	AL 81	3	DP2AD	Line	1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
14	5	AL 81	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
14	5	AL 81	8	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
14	6	AL 82	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
14	6	AL 82	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
14	6	AL 82	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
14	6	AL 82	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
14	6	AL 82	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
14	6	AL 82	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
14	6	AL 82	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
14	6	AL 82	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
15	2	AL 84	1	HX	Cross	1-Unit, 8' Fiberglass, 503676, 2 Curved Guy Plates, 12' Spacing, Installed 2008-Present
15	2	AL 84	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware



Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
15	2	AL 84	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	2	AL 84	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
15	2	AL 84	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	2	AL 84	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	3	AL 85	1	HX	Cross	1-Unit, 8' Fiberglass, 503676, 2 Curved Guy Plates, 12' Spacing, Installed 2008-Present
15	3	AL 85	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
15	3	AL 85	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	3	AL 85	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
15	3	AL 85	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	3	AL 85	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	5	AL 87	6	PA	Side	1/2" HS, Std Cable Attach Hrdw
15	5	AL 87	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	5	AL 87	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	8	AL 90	2	PA	Side	1/2" HS, Std Cable Attach Hrdw
15	8	AL 90	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	8	AL 90	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	8	AL 90	4	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
16	5	AL 96	2	PA	Side	1/2" HS, Std Cable Attach Hrdw
16	5	AL 96	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
16	5	AL 96	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
16	5	AL 96	6	GUYINSL-1		14 ft Fiberglass, 503681, At Pole, Installed 2008-Present
16	5	AL 96	4	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
16	9	AL 100	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
16	9	AL 100	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
16	9	AL 100	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
17	1	AL 102	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
17	1	AL 102	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
17	1	AL 102	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
17	1	AL 102	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	1	AL 102	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
17	3	AL 104	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
17	3	AL 104	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
17	3	AL 104	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
17	3	AL 104	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
17	3	AL 104	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	3	AL 104	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
17	5	AL 106	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
17	5	AL 106	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	5	AL 106	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	1	AL 111	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
18	1	AL 111	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
18	1	AL 111	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
18	1	AL 111	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	1	AL 111	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	1	AL 111	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	1	AL 111	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
18	1	AL 111	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
18	2	AL 112	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
18	2	AL 112	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
18	2	AL 112	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
18	2	AL 112	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	2	AL 112	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	2	AL 112	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	2	AL 112	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
18	2	AL 112	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
18	3	AL 113	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
18	3	AL 113	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	3	AL 113	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	4	AL 114	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
18	4	AL 114	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
18	4	AL 114	1	PA	Side	1/2" SM, Alt Cable Attach Hrdw
18	4	AL 114	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	4	AL 114	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	7	AL 117	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	7	AL 117	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
18	7	AL 117	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
18	8	AL 118	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
18	8	AL 118	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
18	8	AL 118	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
18	8	AL 118	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
18	8	AL 118	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	8	AL 118	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	1	AL 119	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
19	1	AL 119	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
19	1	AL 119	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
19	1	AL 119	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	1	AL 119	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	1	AL 119	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
19	1	AL 119	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
19	1	AL 119	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	4	AL 122	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
19	4	AL 122	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
19	4	AL 122	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
19	4	AL 122	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	4	AL 122	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	4	AL 122	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	5	AL 123	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
19	5	AL 123	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
19	5	AL 123	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
19	5	AL 123	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	5	AL 123	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	5	AL 123	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	7	AL 125	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
19	7	AL 125	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
19	7	AL 125	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	2	AL 127	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	2	AL 127	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	2	AL 127	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	2	AL 127	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	2	AL 127	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	2	AL 127	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	3	AL 128	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
20	3	AL 128	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
20	3	AL 128	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
20	5	AL 130	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	5	AL 130	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	5	AL 130	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	5	AL 130	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	5	AL 130	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	5	AL 130	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	6	AL 131	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	6	AL 131	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	6	AL 131	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	6	AL 131	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	6	AL 131	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	6	AL 131	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
21	3	AL 135	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
21	3	AL 135	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
21	3	AL 135	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
21	9	AL 141	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
21	9	AL 141	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
21	9	AL 141	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
21	9	AL 141	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
21	9	AL 141	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	5	AL 146	1	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	5	AL 146	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	5	AL 146	1	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	6	AL 147	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
22	6	AL 147	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
22	6	AL 147	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	6	AL 147	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
22	6	AL 147	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	6	AL 147	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
22	6	AL 147	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
22	6	AL 147	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	7	AL 148	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
22	7	AL 148	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
22	7	AL 148	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	7	AL 148	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
22	7	AL 148	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	7	AL 148	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
22	7	AL 148	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
22	7	AL 148	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
23	3	AL 151	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
23	3	AL 151	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	3	AL 151	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
23	4	AL 152	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
23	4	AL 152	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
23	4	AL 152	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
23	4	AL 152	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
23	4	AL 152	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	4	AL 152	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
23	4	AL 152	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
23	4	AL 152	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
23	5	AL 153	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
23	5	AL 153	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
23	5	AL 153	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
23	5	AL 153	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
23	5	AL 153	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	5	AL 153	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
23	5	AL 153	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
23	5	AL 153	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
24	3	AL 159	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
24	3	AL 159	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
24	3	AL 159	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
24	3	AL 159	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
24	3	AL 159	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
24	3	AL 159	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
24	3	AL 159	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
24	3	AL 159	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	1	AL 165	6	PA	Side	1/2" HS, Std Cable Attach Hrdw
25	1	AL 165	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	1	AL 165	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
25	2	AL 166	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	2	AL 166	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	2	AL 166	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	2	AL 166	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	2	AL 166	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	2	AL 166	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	3	AL 167	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	3	AL 167	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	3	AL 167	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	3	AL 167	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	3	AL 167	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	3	AL 167	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	4	AL 168	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	4	AL 168	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	4	AL 168	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	4	AL 168	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	4	AL 168	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	6	AL 170	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	6	AL 170	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	6	AL 170	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	6	AL 170	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	6	AL 170	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	7	AL 171	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	7	AL 171	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	7	AL 171	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	7	AL 171	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	7	AL 171	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	8	AL 172	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	8	AL 172	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	8	AL 172	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	8	AL 172	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	8	AL 172	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	1	AL 173	1	HX	Cross	1-Unit, 14' Fiberglass, 503681, 20' Spacing, Installed 2008-Present
26	1	AL 173	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	1	AL 173	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
26	1	AL 173	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
26	1	AL 173	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
26	1	AL 173	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
26	3	AL 175	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	3	AL 175	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	3	AL 175	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	3	AL 175	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	3	AL 175	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	7	AL 179	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	7	AL 179	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	7	AL 179	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	7	AL 179	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	7	AL 179	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	8	AL 180	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	8	AL 180	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	8	AL 180	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	8	AL 180	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	8	AL 180	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
27	1	AL 181	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
27	1	AL 181	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
27	1	AL 181	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
27	1	AL 181	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
27	1	AL 181	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
27	1	AL 181	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	1	AL 181	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
27	1	AL 181	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
27	4	AL 184	3	PA	Side	1/2" SM, Alt Cable Attach Hrdw
27	4	AL 184	3	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
27	4	AL 184	3	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
27	6	AL 186	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	6	AL 186	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
27	6	AL 186	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
27	9	AL 189	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	9	AL 189	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
27	9	AL 189	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod

From: Wenzl,Nicholas J (BPA) - TFEF-ALVEY

Sent: Thu Sep 10 20:40:23 2020

To: Coulombe,Dale A (BPA) - TFE-ALVEY

Subject: Fwd: Work Plan on the Cougar-Blue River Tap Section of the Cougar-Holden Creek #1 line

Importance: Normal

Pictures on P drive, TFEF, 7335 fire damage

Sent from Workspace ONE Boxer

----- Forwarded message -----

From: "Bashor,Walter B (BPA) - TFEF-ALVEY" <wbbashor@bpa.gov>

Date: Sep 10, 2020 5:44 PM

Subject: Work Plan on the Cougar-Blue River Tap Section of the Cougar-Holden Creek #1 line

To: "Wenzl,Nicholas J (BPA) - TFEF-ALVEY" <njwenzl@bpa.gov>

Cc:

Hello,

Here is the damage we found on the Cougar-Holden Creek. We were only able to fly from 0-1 to 13-7 due to visibility. There is a fire around the dam but the first 2 miles not much fire damage. From 2/5 AHOL the fire damage continues to get worse.



Trees in the wire @:

2-2

5-2

6-1

Parted NCI'S @: (I think there wire is parted somewhere in between 5-4 and 6-1, It looks pretty slack in the pictures)

5-5

Clay Mathews – Helicopter Observer

Nick / Bruce Observations

2/2 + 300' AOL Pos #3 – Tree in the line.

2/5 + 100' AOL Pos #1 & #2 – Tree in the line.

5/2 mid span 2 medium sized trees in the line pinning Pos #3 to the ground.

5/5 Pos #1 conductor on the ground – need new glass, dampner's, Armor Rod and Shoe's.

6/1 – Tower severely damaged – Need two new poles, WF Arm, Armor Rod, Shoe's,dampners

#Need to string new Position #1 conductor from Blue River Tap BOL to 5/4 and press Dead Ends and new jumper (2 – 3 spans)

\*\*Damaged stack insulator on B-1460 on Cougar Side Disconnect Pos#1

Damaged jumper on Pos#2 B-1460 Disconnect

“B” Pole burnt off and needs replaced on 1/3 structure on the Blue River Tap

Need to install new anchor and guy wire backing up “C” pole @ 1/1 on the Blue River Tap

Need to Remove several unstable trees around the Blue River Tap area and a couple spans

Need the “Powerline Road” Access from Auferheide Road (3/4) to Quartz Creek Road (10/1) Need this road cleared of downed trees (Franklin)?

Respectfully,

Bruce







From: Wenzl,Nicholas J (BPA) - TFEF-ALVEY

Sent: Wed Sep 09 14:31:08 2020

To: Coulombe,Dale A (BPA) - TFE-ALVEY

Subject: FW: Cougar Holden Creek damage

Importance: Normal

Attachments: IMG\_3030.JPG; IMG\_3045.JPG; IMG\_3048.JPG; IMG\_3051.JPG

**From:** Clay,Matthew P (BPA) - TAA-REDMOND <mpclay@bpa.gov>

**Sent:** Wednesday, September 9, 2020 12:20 PM

**To:** Wenzl,Nicholas J (BPA) - TFEF-ALVEY <njwenzl@bpa.gov>

**Cc:** Lockard,Larry (TFE)(BPA) - TORM-MEAD <llockardjr@bpa.gov>; Weikel,Glenn A (BPA) - TAA-SP-HANGR <gaweikel@bpa.gov>; Tinseth,Kenneth H (BPA) - TAA-HANGR <khtinseth@bpa.gov>; Bashor,Walter B (BPA) - TFEF-ALVEY <wbbashor@bpa.gov>; Renggli,Peter M (CONTR) - TAA-REDMOND <pmrenggli@bpa.gov>; Phillips III,Charles E (CONTR) - TAA-SP-HANGR <cephillips@bpa.gov>; Collison,Brook G (CONTR) - TAA-HANGR <bgcollison@bpa.gov>

**Subject:** Cougar Holden Creek damage

Hello,

Here is the damage we found on the Cougar-Holden Creek. We were only able to fly from 0-1 to 13-7 due to visibility. There is a fire around the dam but the first 2 miles not much fire damage. From 2/5 AHOL the fire damage continues to get worse.

Trees in the wire @:

2-2

5-2

6-1

Parted NCI'S @: (I think there wire is parted somewhere in between 5-4 and 6-1, It looks pretty slack in the pictures)

5-5

Danger Trees @:

7-1

8-4

C pole burned off on F structure:

11-7

There is a lot of burned trees next to the ROW, so I would guess when the wind blows again there could be more trees in the conductor or DT's.

I attached some pictures so you can see some of the damage.

Picture 3030 is tower 5-5

Picture 3045 is 6-1 looking at 6-2 (Blue River Tap)

Picture 3048 is Blue River Tap

Picture 3051 is F-structure 11-7

Any questions let me know.

Matthew Clay

(541) 548-0190 Hanger

(b)(6) Cell



BPA Helicopter Observer (Redmond)











**BONNEVILLE POWER ADMINISTRATION**  
**WMGT1156S TLM Work Summary Report**  
Fiscal Year: 2021

**District:** Eugene **MHQ XRef:** [ALVM] Alvey

**XRef:** CUGR-HOLD-1

**MxProc:** Steel Structure Inspection, Switch PM Inspection, TLM Communication Tower Inspection, Wood Pole Climbing Inspection, Wood Pole Ground Line Heart Rot, Wood Pole Sonic Test, Working Patrol 1, Working Patrol 2, Working Patrol 3

**Proc Type:** Preventative **Status:** Closed

**Compliance:** All **Summer Readiness:** All

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
0	1	TLDD Information Not Available	Line Comp	Working Patrol 3	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
0	1	TLDD Information Not Available	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
0	2	TLDD Information Not Available	Line Comp	Working Patrol 3	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	1	230 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	2	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	3	TLDD Information Not Available	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	3	TLDD Information Not Available	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	4	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	4	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
1	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
1	6	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
2	1	115 KV SC Tubular Steel Pole Union Metal(MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
2	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
2	3	115 KV SC Wood 2 Pole "H-Frame" Wide Flange 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
2	4	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
2	5	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	2	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	3	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	3	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	4	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
3	5	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven



Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
4	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
4	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
4	3	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
4	3	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	5/27/2021	Working Patrol: Foltz Matthew\nick peterson
4	4	115 KV SC Tubular Steel Pole Union Meta (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
4	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
4	6	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	3	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	3	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	4	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
5	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven
6	1	115 KV SC Wood 2 Pole "H-Frame" Wide Flange 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/22/2020	Working Patrol: Eubanks Alan McDougal Steven T

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
6	2	115 KV SC Lattice Steel Pole	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
6	3	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
6	3	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
6	4	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
6	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	3	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	4	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	4	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
7	5	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
8	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
8	1	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
8	2	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
8	3	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
8	4	115 KV SC Tubular Steel Pole Union Meta (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
8	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	1	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	2	115 KV SC Tubular Steel Pole Union Metal (MWT =10,000 lbs)	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	3	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	4	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	5	115 KV SC Lattice Steel	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
9	5	115 KV SC Lattice Steel	Steel	Steel Structure Inspection	Closed	10/1/2020	9/30/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
10	1	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
10	2	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
10	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
10	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
10	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
10	6	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	2	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	6	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	7	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
11	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Wood	Wood Pole Ground Line Heart Rot	Closed	10/1/2020	9/30/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	3	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	4	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
12	7	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
13	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	10/28/2020	Working Patrol: Nowak Aaron\Foltz Matthew
13	2	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
13	3	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
13	4	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
13	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
13	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
13	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	5	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
14	6	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	5	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	6	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
15	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	8	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
15	9	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	4	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	5	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	9	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
16	10	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/4/2020	Working Patrol: Foltz Matthew\Nowak Aaron
17	1	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
17	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
17	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/5/2020	Working Patrol: Martinez Vince\Nowak Aaron
17	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	5	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
17	9	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	1	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	2	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	3	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	3	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Ground Line Heart Rot	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	7	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
18	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	1	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
19	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Wood	Wood Pole Ground Line Heart Rot	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	6	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	7	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
19	7	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	2	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	3	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	4	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/9/2020	Working Patrol: Nowak Aaron\Eubanks Alan
20	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
20	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron



Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
21	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	2	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	3	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
21	9	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	1	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	2	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
22	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	5	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	6	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
22	7	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel 2 X Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	3	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	4	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	5	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
23	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
24	1	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	3	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
24	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/10/2020	Working Patrol: Eubanks Alan\Nowak Aaron
25	1	115 KV SC Wood 3 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	4	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	4	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
25	4	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Climbing Inspection	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	6	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Wood	Wood Pole Sonic Test	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
25	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	1	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	2	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	3	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	4	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	6	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	7	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
26	8	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew

Line: **ALVM - Cougar-Holden Creek No 1**

Mile	Str	Structure Info	Type	Mx Procedure	Status	Target Date	Past Due Date	Close Date	Crew
27	1	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	2	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	3	115 KV SC Wood 2 Pole "H-Frame" Wide Flange Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	4	115 KV SC Wood 3 Pole "H-Frame" Spar Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	5	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	6	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	7	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	8	115 KV SC Wood 2 Pole "H-Frame" Truss Steel Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	9	115 KV SC Wood 3 Pole "H-Frame" Sawn Arm	Line Comp	Working Patrol 3	Closed	10/1/2020	5/15/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew
27	10	115 KV SC Glue Lam 1 Pole "Vertcal", Laminate Wood, No Arms, w/ Shieldwire	Line Comp	Working Patrol 3	Closed	10/1/2020	9/30/2021	11/24/2020	Working Patrol: Nowak Aaron\Foltz Matthew

**Summary**

CUGR-HOLD-1 PSCI: 0 SI: 0 SS: 0 GLHR: 0 WPCI: 0

OPER. NAME: Cougar-Holden Creek No 1

Poles have already been ordered

Structures material to order  
Poles that have fire damage and are more than ten years old. Order these poles.



Plan to replace date

STRUCTURE TYPE

Red is look out on line to replace

POLE LENGTH

A

B

C

Pole Loads

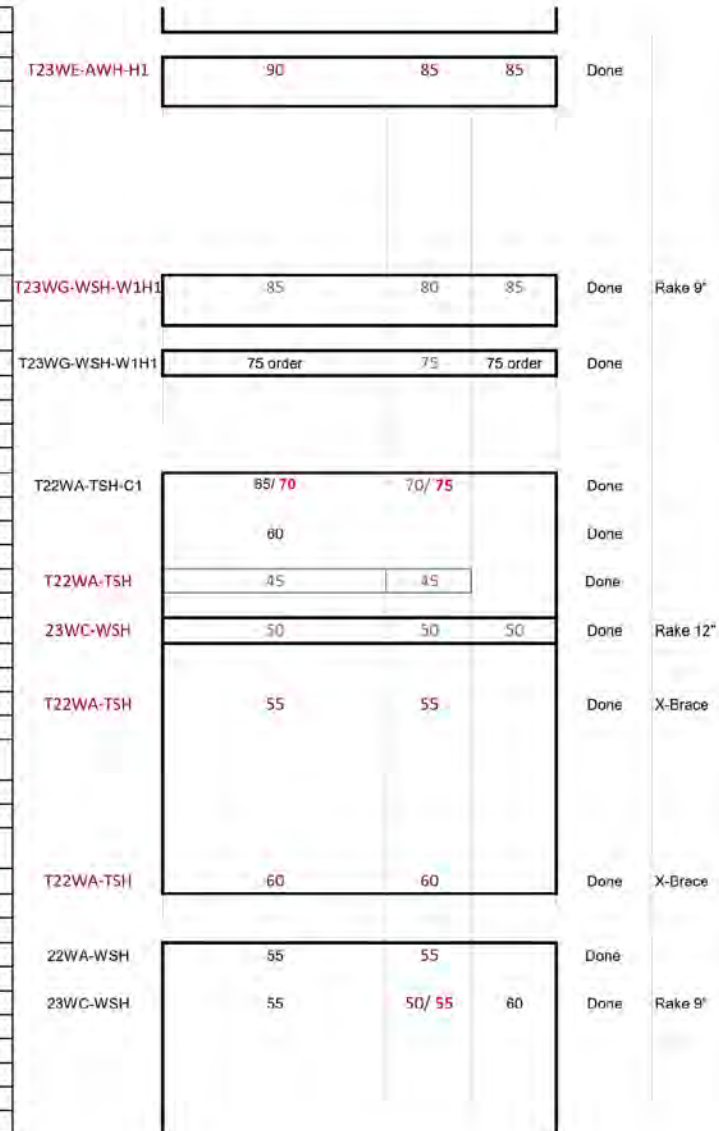
TLM Notes

Install Date or pole year

Days to go

			TLM Notes		Install Date or pole year	Days to go			POLE LENGTH				
									A	B	C	Pole Loads	
4	1		Done Redmond 10/4/20 Dampers Corrective										
4	3		Dampers Corrective (need landing)										
6	1		Done Redmond 10/4/20 Dampers installed AOL 3										
9	1		Needs 6 dampers (borrowed)										
10	1	FH2	priority 2 (Pole History Sheet)	A	65 1959/1/1	3	Redmond 9/24/20	T23WE-AWH-H1	65	65	65	X	Rake 15"
				B	65 1959/1/1								
				C	65 1959/1/1								
10	2	F2	Done Redmond 9/23/20	A	65 1995/7/7			T23WE-AWH-H1	65	60	60	Done	Rake 12"
				B	60 1995/7/7								
				C	60 1959/1/1								
10	3		Replaced Truss Arm Redmond 10/7/20										
10	4		Replaced Truss Arm Redmond 10/7/20										
10	5		Replaced Truss Arm Redmond 10/7/20										
11	1	A2	Done Redmond 10/5/20	A	75 1981/1/1			T22WA-TSH-C1	75	70		Done	
				B	70 1959/1/1								
11	2	B1	Done Redmond 10/6/20	A	60 2019/1/9			23WC-WSH	60	55	50	Done	Rake 9"
				B	55 2019/1/9								
				C	50 2019/1/9								
11	3	A1	Done Redmond 10/6/20	A	70 2018/1/9			T22WA-TSH	70	60		Done	X-Brace
				B	60 2018/1/9								
11	4	A1	Done Barehand 10/5/20	A	70 2010/18/5			T22WA-TSH	70 (don't replace)	65		Done	X-Brace
				B	65 1977/1/1								
11	E	A1	priority 2 (Pole History Sheet)	A	75 1959/1/1	2		T22WA-TSH	75 order	65 order		0	
				B	65 1959/1/1								
11	B	FH1	C pole 50% replace, priority 1 (Pole History Sheet)	A	70 1975/1/1	4		T23WE-AWH-H1	70	65	60	0	
				B	65 1975/1/1								
				C	60 1971/1/1								
11	7	F2	Done Barehand 10/4/20	A	75 2012/14/6			23WG-WSH	75	65	60	Done	Rake 9"
			Still need install 3 anchors.	B	65 2012/14/6								
				C	60 2012/14/6								
12	1		Walk too only.										
12	3	FH1	Done Barehand 9/26/20	A	90 1959/1/1	3		T23WE-AWH-H1	90/85	80/80 H1	80/75	Done	

				B	80	1959/1/1			
				C	80	2014/15/5			
12	4	FH1	Done Barehand 9/29/20	A	90	1975/1/1			
				B	85	1959/1/1			
				C	85	1990/6/8			
12	5		Truss Arm						
13	5		Truss Arm						
13	6		NCI's						
14	1		Truss Arm						
14	2		Truss Arm						
14	3		Truss Arm						
14	5	FHW2	Done Barehand 10/3/20	A	85	2012/14/8			
				B	80	2012/14/8			
				C	85	2012/14/8			
14	6	FHW2	Done NB 9/23/20	A	75	8/1/2017 1986			
				B	75	8/1/2017 1959			
				C	75	8/1/2017 1975			
14	6		Conductor Pos 3 75ft aol gun shot						
15	1		Truss Arm						
15	2	A1	Done NB 9/26/20	A	65	2014/19/10			
				B	70	2014/19/10			
15	3	A1	Done NB 9/25/20	A	60				
				B	60				
15	4	A1	Done NB 9/25/20	A	45	1992/14/4			
				B	45	1959/1/1			
15	5	C2	Done North Bend 9/24/20	A	50	2018/1/9			
				B	50	2018/1/9			
				C	50	2018/1/9			
15	7	A1	Done North Bend 9/27/20	A	55	1959/1/1			
				B	55	1959/1/1			
15	8	C2	Done North Bend 9/27/20 Angle, has bent eye bolt and needs signage						
15	9		Truss Arm						
16	1		Truss Arm						
16	1	A1	Done North Bend 9/27/20 structure needs to be plumbed up						
16	2	A1	Done North Bend 9/27/20	A	60	1959/1/1			
				B	60	1959/1/1			
16	3		Truss Arm						
16	4	A1	Done North Bend 9/28/20	A	55	2018/1/8			
				B	55	2018/1/9			
16	5	C2	Done North Bend 9/28/20	A	55	2018/1/9			
				B	50	2018/1/9			
				C	60	2018/1/9			
16	6		Damper Corrective/Truss Arm						
16	7		Truss Arm						
16	8		Truss Arm						



16	9	F	Done North Bend 9/30/20	A	70	1998/12/8		
				B	70	1959/1/1		
				C	75	1959/1/1		
16	10	A2	Done North Bend 10/1/20	A	60	1959/1/1		
				B	60	1959/1/1		
17	1	C	Done NB 9/22/20 C	A	65	1959/1/1		
17	1		Signs Corrective	B	65	1994/18/5		
				C	65	1992/15/4		
17	2		Truss Arm					
17	3		Truss Arm					
17	4		Truss Arm					
17	5	C2	Done Redmond 10/3/20	A	55	8/1/2017 1959		
				B	60	8/1/2017 1982		
				C	65	8/1/2017 1980		
17	6	A1	Done North Bend 10/5/20	A	50	1959/1/1	1	
				B	50	1959/1/1		
17	7		Replaced Truss Arm NB 10/5/20					
17	8		Damper Corrective					
17	9	A1	Done North Bend 10/5/20	A	55	1959/1/1		
				B	55	1959/1/1		
18	1	FH1	Done North Bend 10/4/20	A	55	1959/1/1		
				B	55	1959/1/1		
				C	55	1984/1/1		
18	2	F1	Done Redmond 9/30/20	A	50	2018/1/9		
				B	50	2018/1/9		
				C	50	2018/1/9		
18	4	A1	Done Redmond 9/28/20	A	65	1965/1/1		
				B	65	1967/1/1		
18	6	A1	Done Redmond 9/29/20	A	60	1984/1/1		
				B	60	1974/1/1		
18	7	FH2	Done Redmond 9/26/20	A	55	2011/2/5		
				B	55	2011/4/5		
				C	55	2011/5/5		
18	8		Done Redmond 9/27/20 Broken strand of wire hanging down.					
18	8	A2	Done Redmond 9/27/20	A	60	1959/1/1		
				B	65	1959/1/1		
19	1		Done Redmond 9/28/20 A chard, need 2 HX, tighten guys, anchors already 1" (Pole History Sheet) CRACKS					
19	2		Dampers Corrective					
19	6	A1	Done Redmond 10/1/20	A	75	2012/17/8		
				B	70	2012/17/8		
20	1		Truss Arm					
20	3	FH2	Done Barehand 9/23/20	A	75	2012/29/6		
				B	75	2012/29/6		

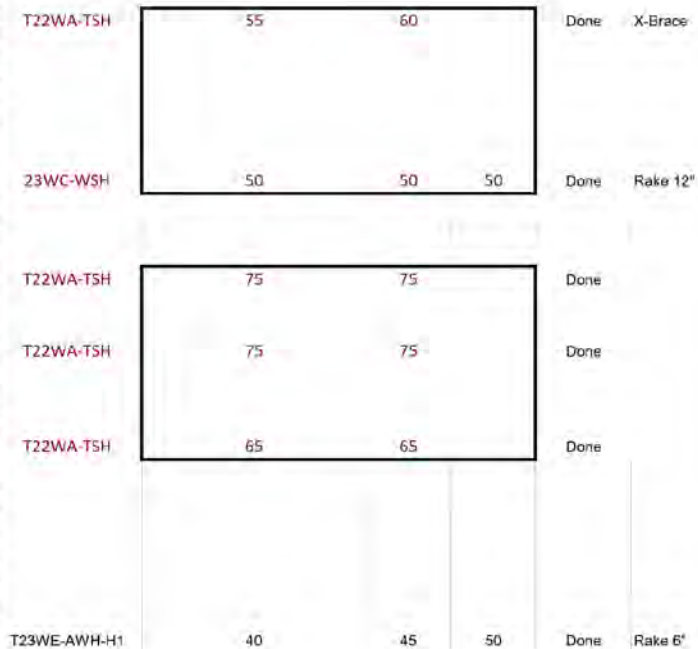
T23WE-AWH-H1	70	70	75	Done	Rake 12"
T22WA-TSH-C1	60	60		Done	X-Brace
T23WC-SWH	65	65	65	Done	Rake 9"
23WC-WSH	55	60	65	Done	Rake 15"
T22WA-TSH	50/55	50/55		Done	X-Brace
T22WA-TSH	55	55		Done	
T23WE-AWH-H1	55	55	55	Done	Rake 6"
23WE-WSH	50	50	50	Done	
T22WA-TSH	65	65		Done	
T22WA-TSH	60	60		Done	X-Brace
T23WE-AWH-H1	55	55	55	Done	Rake 15"
T22WA-TSH-C1	60	65		Done	
22WA-WSH	75	70		Done	X-Brace
23WG-WSH	75	75	80	Done	Rake 18"



20	4	A1	Done Barehand 9/20/20	C	80	2012/29/6		
				A	65	2018/1/9		
				B	65	2018/1/9		
20	5	A2	Done Barehand 9/22/20	A	85	9/1/2018 1974		
				B	85	9/1/2018 1989		
20	6	A1	Done Barehand 9/24/20	A	80	2018-09-01 1959		
				B	80	2018-09-01 1959		
21	1	A1	Done Alvey 9/20/20	A	55	8/1/2017 1991		
				B	60	8/1/2017 1959		
21	2	A1	Done Alvey 9/21/20	A	60	2017/1/8		
				B	65	2017/1/8		
21	3	F2	Done Alvey 10/5/20	A	50	1959/1/1		
				B	50	1959/1/1		
				C	50	1959/1/1		
21	6	A1	Done North Bend 10/6/20	A	55	1959/1/1		
				B	55	1959/1/1		
21	8		Done Alvey 9/28/20 Replaced NCI's					
22	2	A1	Done Alvey 9/27/20	A	60	2017/1/8		
				B	60	2017/1/8		
22	3		Truss Arm					
22	4		Truss Arm					
22	5	B2	Done Alvey 9/28/20	A	55	1959/1/1		
				B	55	1959/1/1		
				C	55	1959/1/1		
<b>FORD</b>								
22	7	FH1	Done Alvey 10/1/20	A	60	9/1/2018 1959		
				B	65	9/1/2018 1959		
				C	70	9/1/2018 1959		
23	1	A1	Truss arm priority 2, wood needs to be plumbed, wood looks okay.					
23	2	A2	Done Alvey 9/29/20	A	60	1993/9/9		
				B	60	1959/1/1		
23	3	C2	Done Alvey 9/23/20	A	70	1959/1/1		
				B	70	2010/14/5		
				C	70	1993/9/9		
23	4	F1	Done Alvey 10/6/20	A	55	9/1/2018 1959		
				B	55	9/1/2018 1959		
				C	55	9/1/2018 1959		
23	5	F1	Done Alvey 10/4/20	A	50	1959/1/1		
				B	55	1982/1/1		
				C	60	1959/1/1		
23	6	A1	Done Alvey 10/7/20	A	55	1959/1/1		
				B	60	1959/1/1		
23	7		Truss arm					
23	8		Truss arm					
24	1		Truss arm					
24	2	A1	Done Alvey 10/4/20	A	50	1959/1/1		

22WA-WSH	65	65	Done		
T22WA-TSH-C1	85 order	85 order	Done		
T22WA-TSH	80 order	80 order	Done		
T22WA-TSH	55/ 60	60 order	Done	X-Brace	
22WA-WSH	60	65/ 60	Done	X-Brace	
T23WE-AWH-H1	50	50	50 order	Done	Rake 15"
T22WA-TSH	55	55	Berehand truck	Done	X-Brace
22WA-WSH	50/65	60/65	Done	X-Brace	
T23WB-SWH	55	55	55	Done	Rake 6"
23WE-WSH	60 order	65 order	70 order	Done	X-Brace
T22WA-TSH-C1	60	60	Done		
T23WC-SWH-H2	70	70	70	Done	Rake 12"
23WE-WSH	55 Order	55 order	55 order	Done	
T23WE-AWH-H1	50	55	60	Done	
T22WA-TSH	55	60	Done		
T22WA-TSH	50	55	Done	X-Brace	

24	3	F1	Done Alvey 9/26/20 Two broken HX's.	B	55	1959/1/1		
24	4		Truss arm					
24	5		Truss arm					
24	6	A1	Done Alvey 9/22/20	A	55	2010/20/5		
				B	60	2010/20/5		
24	7		Truss arm					
24	7	A1	Done Alvey 9/21/20 Corrective					
24	8		Truss arm					
24	8	A1	Done Alvey 9/26/20 Suspension Insulator Pos 3 Corrective, C3					
25	1	C2	Done Alvey 9/21/20	A	50	2002/24/4		
				B	50	2012/20/6		
				C	50	2012/20/6		
25	2		Truss arm					
25	3	A1	Done Alvey 9/24/20	A	75	1992/15/4		
				B	75	1975/1/1		
25	5		Truss arm					
25	7	A1	Done 9/26/20	A	75	1959/1/1		
				B	75	1959/1/1		
25	8		Truss arm					
26	2		Truss arm					
26	3	A1	Done Alvey 9/25/20	A	65	1959/1/1		
				B	65	1971/1/1		
26	4		Truss arm					
26	5		Truss arm					
26	6		Truss arm					
27	4	B1	Conductor Pos 1 Corrective, C3					
27	5		Truss arm					
27	5		Done Alvey 9/24/20 Replace NCI's					
27	6	EH	Done Alvey 9/18/20	A	40	2018-09-01		
				B	45	2019-09-01		
				C	50	2019-09-01		
27	7		Truss arm					
27	8		Truss arm					



**Total Days Needed 13**

Highlighted calls need corrected and/or ordered

Steel Candidate

Steel Candidate

Steel Candidate

Steel preferred

Steel preferred Leave

Steel preferred Leave

Steel Candidate

Steel preferred

Steel Candidate





Unstable structures

Start w/1	Mile	No.	A	B	C	Style
	10	1				
Redmond	10	2	Working			F2
1	11	1	75	70		A2
	11	2				B1
	11	3				A1
	11	4				A1
1	11	5	75	65		A1
	11	6				FH1
	11	7	75	65	60	F2
1	12	3	90	80	80	FH1
	12	4	90	85	85	FH1
	14	5	85	80	85	FHW1
North Bend	14	6	Working	75	75	FHW2
1	15	2	70	75		A1
	15	4				A1
	15	5				C2
	15	7				A1
1	15	8				C2
	16	1				A1
	16	2				A1
	16	4				A1
	16	5				C
North Bend 9/22/20	16	9	70	70	75	F
	16	10				A2
	17	1	DONE			C
1	17	5	55	60	65	C2
	17	6				A1
	17	8				A1
	17	9				A1
	18	1				FH1
	18	2				F1
1	18	4				A1
	18	6				A1
	18	7				FH2
	18	8				A2
	19	1				FH1
Bare hand Bare hand 9/21/20 Bare hand 9/22/20	19	6				A1
	20	3	Working	75	80	FH2
	20	4	DONE			A1
	20	5	DONE	85		A2
	20	6	80	80		A1

Alvey 9/21/20 Alvey 9/20/20	21	1	DONE			A1
	21	2	DONE			A1
	21	3				F2
	21	6				A1
	22	2				A1
	22	5				B2
	22	7				FH1
Alvey 1	23	1				A1
	23	2				A1
	23	3	Working			C2
	23	4				F1
	23	5				F1
	23	6				A1
	24	2				A1
	24	3				F1
	24	6	DONE			A1
Alvey 9/22/20	24	7				A1
Alvey 9/21/20	24	8				A1
	25	1	DONE			C2
	25	3	75	75		A1
	25	7	75	75		A1
	26	3				A1
	27	4				B1

Alvey	Barehand	NB	Redmond
21/2.	20/4.	14/6.	10/2.
21/1.	20/5.	17/1.	11/1.
23/3.	20/3.		11/2.
23/2.	20/6.		11/3.

From NB for NB 9/19/2020

65-2021	3	Arm
65-2015	4	Arm
75ft	3	CL 1
50ft	3	CL 1
14/6	3-75 CL1	
15/5	3-50 CL1	

15/2 1-70 CL2  
 15/4 2-45 CL1 OR 50ft

From Salem for Bare H 9/19/2020

65-2021	3	Arm
65-2022	1	Arm
65-2023	1	Arm
80ft	1	CL 1
75ft	2	CL 1
65ft	2	CL 1
20/3	2-75 1-80	CL1
20/4	2-65 CL1	only 1 needed extra at alvey

20/5 2-85 CL1  
 20/6 2-80 CL1

From Alvey

65-2021
65-2015
60ft
21/1
21/2

21/3

From Alvey for NB 9/21/2020

65ft	3	CL 1
17/1 C	3-65 CL1	

From Salem for Bare Hand


From Alvey

101-3451
65-2015
25/1 C2
24/6. A1



From Alvey

101-3451
65-2015
23/3. C2
23/2. A2

for Alvey 9/20/2020

3	Arm
4	Arm
4	CL 1
2-60 CL1	
2-60 CL1	

3-50 CL1

for Alvey 9/21/2020

1	Arm
1	Arm
3-50'	101-3451
1-55' 1-60'	65-2015
1-50' CL2	
2-50' CL1	

From Redmond for Rex 9/20/2020

Guy Wire		
65-2021	1	Arm
65-2015	3	Arm
Anchors	20	
75ft	1	CL 1
70ft	2	CL 1
65ft	1	
60ft	3	
10/2 F+2	2-60' 1-65'	65-2021
11/1, A2	1-75' 1-70'	65-2015

for Alvey 9/21/2020

1	Arm
2	Arm
3-70'	101-3451
2-60'	65-2015

11/2. B1	1-60'	65-2019
11/3. A1	1-70'	65-2015

COND: ACSR Flamingo (AL 46 - AL 59)	M.W.T.:	ICE:
ACSR Flamingo (AL 59 - AL 60)	M.W.T.:	ICE:
SHLD:	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:
	M.W.T.:	ICE:

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV
		BACK	AHEAD				
10/3	AL 51	452+37.80		177.2		1270.8	1315.6
11/1	AL 55	476+00.00		662.1		1351.8	1405.3
11/2	AL 56	482+62.10		437.9	11°56'0"R	1365.8	1405.4
11/3	AL 57	487+00.00		700.0		1336.2	1386.4
11/4	AL 58	494+00.00		476.9		1278.5	1328.2
11/6	AL 60	507+89.20		1231.8		1196.4	1241.1
11/7	AL 61	520+21.00		179.0	18°1'0"L	1394.6	1443.7
14/5	AL 81	660+79.60		2143.5	12°0'0"L	1051.6	1108.9
14/6	AL 82	682+23.10	682+22.20	602.8	49°51'0"R	1159.1	1217.7
15/2	AL 84	692+97.70		1090.1		1141.6	1190.9
15/3	AL 85	703+87.80		472.2		1138.4	1182.8
15/4	AL 86	708+60.00		333.2		1178.5	1210.3
15/5	AL 87	711+93.20		706.8	21°48'0"L	1182.4	1217.5
17/6	AL 107	827+00.00		192.0		1130.9	1168.0
18/2	AL 112	866+35.00		269.6		1129.9	1165.3
18/3	AL 113	869+04.60		720.4	21°51'0"R	1162.7	1201.8
18/4	AL 114	876+25.00		625.0		1273.9	1323.4
18/5	AL 115	882+50.00		750.0		1438.6	1482.7
18/6	AL 116	890+00.00		380.7		1561.0	1605.3
18/7	AL 117	893+80.70		324.4	51°57'0"R	1620.3	1660.8
18/8	AL 118	897+05.10		1294.9		1604.8	1648.9
19/1	AL 119	910+00.00		900.0		1541.1	1589.9
19/2	AL 120	919+00.00		200.0		1605.9	1641.3
19/3	AL 121	921+00.00		650.0		1606.7	1643.0
19/4	AL 122	927+50.00		882.0		1532.2	1586.0
19/5	AL 123	936+32.00		743.0		1387.2	1437.4
19/6	AL 124	943+75.00		385.9		1187.2	1241.3
19/7	AL 125	947+60.90		989.1	2°56'0"L	1099.1	1149.0
21/1	AL 133	1005+28.20	1004+90.80	374.2		1132.4	1177.3
21/2	AL 134	1008+65.00		992.0		1116.9	1157.7

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME:  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		1	2	3	4	
	NOM HT	POLE LENGTH			Pole Class	
		A	B	C		
T22WA-TSH	60.0	65	60		2	
T22WA-TSH-C1	70.0	75	70		2	
23WC-WSH	55.0	60	55	50	1	Rake 9"
T22WA-TSH	65.0	70	60		1	X-Brace
T22WA-TSH	65.0	70	65		2	X-Brace
T23WE-AWH-H1	60.0	70	65	60	2	
23WG-WSH	65.0	75	65	60	2	Rake 9"
T23WG-WSH-W1H1	80.0	85	80	85	2	Rake 9"
T23WG-WSH-W1H1		75	75	75	2	
T22WA-TSH-C1		65	70		2	
T22WA-TSH-C1		60	60		2	
T22WA-TSH		45	45		2	
23WC-WSH		50	50	50	1	Rake 12"
T22WA-TSH		50	50		2	X-Brace
23WE-WSH		50	50	50	2	
T23WC-SWH-H2		55	55	55	2	Rake 12"
T22WA-TSH		65	65		2	
T22WA-TSH		60	60		2	X-Brace
T22WA-TSH		60	60		2	X-Brace
T23WE-AWH-H1		55	55	55	2	Rake 15"
T22WA-TSH-C1		60	65		2	
T23WE-AWH-H1		65	65	70	2	
T22WA-TSH		50	50		2	X-Brace
T22WA-TSH		50	50		2	
T22WA-TSH-C1	70.0	75	70		2	
T22WA-TSH-C1		65	65		2	
22WA-WSH	70.0	75	70		2	X-Brace
T23WE-AWH-H1	65.0	70	65	60	2	Rake 6"
T22WA-TSH		55	60		1	X-Brace
22WA-WSH		60	65		1	X-Brace

Row Labels	Count of A	Row Labels	Count of B	Row Labels	Count of C
45	1	45	1	50	3
50	5	50	5	55	2
55	3	55	3	60	3
60	6	60	6	70	1
65	5	65	9	75	1
70	4	70	4	85	1
75	5	75	1	(blank)	
85	1	80	1	<b>Grand Total</b>	<b>11</b>
<b>Grand Total</b>	<b>30</b>	<b>Grand Total</b>	<b>30</b>		

Pole Height	Qty Needed
45	2
50	6
55	2
60	8
65	6
70	4
75	3
80	1
85	2

34

OPERATING LINE NAME Cougar-Holden Creek No 1  
 DESIGN NAME  
 OPERATING LINE XREF CUGR-HOLD-1  
 OPERATING VOLTAGE 115  
 OPERATING LINE INDEX C300

Code (PLC)	Description
C1	Cougar-Holden Creek No 1 SSDE (CUGR 1) to SSDE (HOLD 1S)

Work Order	Voltage	Name
00453865	115	Cougar-Holden Creek No 1
175-11	115	Cougar-Station "S" No 1

Type	Name	Section
ACSR	ACSR Flamingo	( 0/1 CUGR 1 -> 27/11 HOLD 1S )

Poles	Towers
C H 1	CUGR HOLD 1

COND: ACSR Flamingo (CUGR 1 - AL 10M) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 10M - AL 11) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	STR HT	STRUCTURE CATEGORY				DESCRIPTION & REMARKS
		BACK	AHEAD											
0/1	CUGR 1	789+31.50		161.0			1349.3	S2DL-72-32-15		Bay (SSDE)				
0/2	CUGR 1 TT1	790+92.50		276.6	25°35'0"L		1349.4	S2DL-72-32-15		Bay (SSDE)				
									TWR BODY	LEG EXTENSIONS				
									1	2	3	4		
1/1	AL 2	793+69.10		446.0	72°13'0"L	1281.9	1366.4	02D	62.0	22.5	22.5	22.5	22.5	
1/2	AL 3	798+15.10		1147.9	42°51'0"L	1277.9	1374.7	10D	62.0	35	35	35	35	
1/3	AL 4	809+63.00		1247.0		1274.8	1434.6	04B2 SPEC	131.3	37.5	32.5	30	35	
1/4	AL 5	822+10.00		301.6		1448.8	1504.9	00A1	50.0	12.5	7.5	5	12.5	
1/5	AL 6	825+11.60		1323.4	28°52'0"R	1406.6	1478.6	10D	42.0	35	27.5	25	32.5	
1/6	AL 7	838+35.00		1437.9		1489.9	1574.1	00A1	65.0	27.5	22.5	22.5	25	
									NOM HT	POLE LENGTH			Pole Class	
									A	B	C			
2/1	AL 8	852+72.90		1471.4	13°43'0"L	1502.4	1558.5	30SP-C2		65	62.5	57.5		Rake 9"
									TWR BODY	LEG EXTENSIONS				
									1	2	3	4		
2/2	AL 9	867+44.30		1435.7		1349.3	1430.1	00A1	65.0	25	20	17.5	22.5	
									NOM HT	POLE LENGTH			Pole Class	
									A	B	C			
2/3	AL 10M	882+20.00		754.2		1404.4	1456.5	22WA-WSH-C1	70.0	70	70		1	X-Brace



COND: ACSR Flamingo (AL 11 - AL 18) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 18 - AL 19) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
2/4	AL 11	889+34.20		1115.8	61°0'0"L	1361.3	1431.5	30SP-F2		77.5	75	70		Rake 12"
2/5	AL 12	900+50.00		991.9		1207.0	1264.5	30SP-F1		62.5	62.5	62.5		
		901+07.00		Mid Span Tap to CARMEN SMITH TAP										
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
3/1	AL 13	910+41.90		1010.4		1199.1	1259.7	10L	50.0	15	15	15	15	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
3/2	AL 14	920+52.30		772.7	52°38'0"L	1185.5	1276.1	30SP-F2		95	95	95		Rake 15"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
3/3	AL 15	928+25.00		1735.2		1185.3	1276.5	00A1	65.0	30	32.5	30	30	
3/4	AL 16	945+60.20	945+53.90	1297.2	41°58'0"R	1251.8	1347.2	10D	62.0	30	32.5	35	30	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
3/5	AL 17	958+51.10		1063.9	26°20'0"L	1255.5	1332.5	30SP-F1		80	82.5	82.5		Rake 12"
									TWR BODY	LEG EXTENSIONS				
										1	2	3	4	
4/1	AL 18	969+15.00		885.0		1276.6	1352.7	10L	65.0	15	17.5	17.5	15	

COND: ACSR Flamingo (AL 19 - AL 28) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 28 - AL 29) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
4/2	AL 19	978+00.00		915.0		1236.3	1309.2	10L	50.0	27.5	27.5	27.5	27.5	
4/3	AL 20	987+15.00		1285.0		1202.5	1275.7	10L	50.0	27.5	27.5	27.5	27.5	
									NOM HT	POLE LENGTH			Pole Class	
4/4	AL 21	1000+00.00	129+86.50	1038.5	15°30'0"R	1194.4	1256.4	30SP-C1		67.5	67.5	67.5		Rake 9"
									TWR BODY	LEG EXTENSIONS				
4/5	AL 22	140+25.00		1026.0		1131.6	1204.2	10L	50.0	27.5	27.5	27.5	27.5	
4/6	AL 23	150+51.00		1109.0		1127.0	1187.7	10L	50.0	15	15	15	15	
5/1	AL 24	161+60.00		1000.7		1112.9	1169.7	10L	50.0	10	12.5	12.5	10	
5/2	AL 25	171+60.70		1069.3		1109.0	1163.7	10L	50.0	10	10	10	10	
5/3	AL 26	182+30.00		855.3		1088.3	1144.7	10L	50.0	12.5	12.5	12.5	12.5	
									NOM HT	POLE LENGTH			Pole Class	
5/4	AL 27	190+85.30		877.3	41°29'0"L	1083.2	1120.8	30SP-F2		42.5	42.5	42.5		Rake 18"
									TWR BODY	LEG EXTENSIONS				
5/5	AL 28	199+62.60		1107.4		1078.4	1148.2	10L	50.0	25	25	25	25	

COND: ACSR Flamingo (AL 29 - AL 36) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 36 - AL 37) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
6/1	AL 29	210+70.00 198+90.00		1230.4		1077.9	1141.2	10L	50.0	17.5	17.5	17.5	17.5	
									NOM HT	POLE LENGTH A B C			Pole Class	
6/2	AL 30	222+50.00 223+00.40 223+00.40		711.2		1085.2	1146.0	10SW		55	55			Mid Span Tap to BLRIT-CUHO-1 Switch Dispatch
6/3	AL 31	230+11.60		1063.4	33°47'0"R	1081.7	1134.0	30SP-F2		57.5	57.5	57.5		Rake 15"
									TWR BODY	LEG EXTENSIONS 1 2 3 4				
6/4	AL 32	240+75.00		1193.0		1075.1	1146.2	10L	50.0	27.5	25	25	27.5	
6/5	AL 33	252+68.00		1157.0		1071.5	1144.7	10L	50.0	27.5	27.5	27.5	27.5	
7/1	AL 34	264+25.00		1225.0		1053.0	1125.6	10L	50.0	27.5	27.5	27.5	27.5	
7/2	AL 35	276+50.00		1175.7		1046.6	1119.7	10L	50.0	27.5	27.5	27.5	27.5	
									NOM HT	POLE LENGTH A B C			Pole Class	
7/3	AL 36	288+25.70		1144.3	32°53'0"R	1036.7	1094.0	30SP-F2		62.5	62.5	62.5		Rake 15"

COND: ACSR Flamingo (AL 37 - AL 45) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 45 - AL 46) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
7/4	AL 37	299+70.00		880.4		1030.2	1100.7	10L	50.0	25	25	25	25	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
7/5	AL 38	308+50.40	324+68.40	786.6	53°38'0"L	1025.9	1064.0	30SP-F2		42.5	42.5	45		Rake 15"
									TWR BODY	LEG EXTENSIONS 1   2   3   4				
8/1	AL 39	332+55.00		1325.2		1021.0	1081.2	10L	50.0	15	15	15	15	
8/2	AL 40	345+80.20		590.4	20°4'0"L	1032.7	1158.2	S10D	102.0	25	37.5	27.5	20	
8/3	AL 41	351+70.60	351+66.40	1117.6	2°21'0"L	1029.2	1091.2	10D	42.0	20	25	22.5	17.5	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
8/4	AL 42	362+84.00		751.0	6°23'0"R	1041.6	1103.2	30SP-C1		55	62.5	75		Rake 6"
									TWR BODY	LEG EXTENSIONS 1   2   3   4				
8/5	AL 43	370+35.00		966.6		1079.0	1151.2	10L	65.0	5	20	25	7.5	
9/1	AL 44	380+01.60		1277.0	0°33'0"L	1047.5	1098.2	10L	50.0	5	5	5	5	
									NOM HT	POLE LENGTH A   B   C			Pole Class	
9/2	AL 45	392+78.60	392+79.70	859.3	8°56'0"L	1031.6	1094.6	30SP-F1		62.5	67.5	72.5		Rake 6"

COND: ACSR Flamingo (AL 46 - AL 59) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 59 - AL 60) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV	COND ELEV	STRUCTURE TYPE	TWR BODY	LEG EXTENSIONS				DESCRIPTION & REMARKS
		BACK	AHEAD							1	2	3	4	
9/3	AL 46	401+39.00		1031.7		1010.1	1088.9	10L	65.0	17.5	20	20	17.5	
9/4	AL 47	411+70.70		1249.3	2°45'0"R	999.5	1071.5	00A1	50.0	27.5	30	30	27.5	
9/5	AL 48	424+20.00		878.2		994.4	1071.0	10D	62.0	15	15	15	15	
									NOM HT	POLE LENGTH			Pole Class	
										A	B	C		
10/1	AL 49	432+98.20	433+00.00	1233.6	56°0'0"R	998.0	1049.0	T23WE-AWH-H1	65.0	65	65	65	2	Rake 15"
10/2	AL 50	445+33.60		704.2	22°29'0"L	1300.6	1345.6	T23WE-AWH-H1	60.0	65	60	60	2	Rake 12"
10/3	AL 51	452+37.80		177.2		1270.8	1315.6	T22WA-TSH	60.0	65	60		2	
10/4	AL 52	454+15.00		1085.0		1266.5	1307.4	T22WA-TSH	55.0	60	55		2	X-Brace
10/5	AL 53	465+00.00		222.1		1269.7	1319.2	T22WA-TSH	65.0	70	65		2	X-Brace
10/6	AL 54	467+22.10		877.9		1272.5	1329.0	22WA-WSH	70.0	75	70		2	X-Brace
11/1	AL 55	476+00.00		662.1		1351.8	1405.3	T22WA-TSH-C1	70.0	75	70		2	
11/2	AL 56	482+62.10		437.9	11°56'0"R	1365.8	1405.4	23WC-WSH	55.0	60	55	50	1	Rake 9"
11/3	AL 57	487+00.00		700.0		1336.2	1386.4	T22WA-TSH	65.0	70	60		1	X-Brace
11/4	AL 58	494+00.00		476.9		1278.5	1328.2	T22WA-TSH	65.0	70	65		2	X-Brace
11/5	AL 59	498+76.90		912.3		1219.7	1274.1	T22WA-TSH	70.0	75	65		2	

COND: ACSR Flamingo (AL 60 - AL 74) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 74 - AL 75) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
11/6	AL 60	507+89.20		1231.8		1196.4	1241.1	T23WE-AWH-H1	60.0	70	65	60	2	
11/7	AL 61	520+21.00		179.0	18°1'0"L	1394.6	1443.7	23WG-WSH	65.0	75	65	60	2	Rake 9"
11/8	AL 62	522+00.00		800.0		1410.3	1451.5	T22WA-TSH	55.0	60	55		2	
12/1	AL 63	530+00.00		827.9		1431.9	1481.4	T22WA-TSH-C1	65.0	70	60		2	
12/2	AL 64	538+27.90	538+30.00	295.0	0°10'0"L	1527.8	1572.2	T22WA-TSH	60.0	65	55		2	X-Brace
12/3	AL 65	541+25.00		1676.6		1500.1	1561.8	T23WE-AWH-H1	80.0	90	80	80	2	
12/4	AL 66	558+01.60		705.4		1409.5	1477.7	T23WE-AWH-H1	85.0	90	85	85	2	
12/5	AL 67	565+07.00		673.0		1383.2	1425.0	T22WA-TSH	55.0	55	55		2	X-Brace
12/6	AL 68	571+80.00		867.5		1323.8	1378.2	T22WA-TSH-C1	70.0	70	70		2	
12/7	AL 69	580+47.50		562.5	26°51'0"R	1306.4	1351.6	T23WE-AWH-H1	60.0	60	60	60	2	Rake 12"
13/1	AL 70	586+10.00		1015.0		1321.0	1361.1	T22WA-TSH-C1		55	55		2	X-Brace
13/2	AL 71	596+25.00		284.0		1305.8	1344.0	22WA-WSH		50	50		1	X-Brace
13/3	AL 72	599+09.00		1211.0		1300.1	1341.5	22WA-WSH		55	55		1	X-Brace
13/4	AL 73	611+20.00		490.0		1278.4	1323.6	23WE-WSH		60	60	60	1	
13/5	AL 74	616+10.00		586.8		1277.5	1318.9	T22WA-TSH		55	55		2	X-Brace

COND: ACSR Flamingo (AL 75 - AL 89) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 89 - AL 90) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
13/6	AL 75	621+96.80		1053.2		1269.2	1313.8	T22WA-TSH-C1		60	60		2	
13/7	AL 76	632+50.00		525.0		1252.7	1302.7	T22WA-TSH-C1		65	65		2	
14/1	AL 77	637+75.00		575.0		1273.8	1315.0	T22WA-TSH		55	55		2	X-Brace
14/2	AL 78	643+50.00		590.0		1267.9	1314.0	T22WA-TSH		60	60		2	X-Brace
14/3	AL 79	649+40.00		660.0		1250.2	1296.5	T22WA-TSH		60	60		2	X-Brace
14/4	AL 80	656+00.00		479.6		1209.5	1263.7	T22WA-TSH-C1		70	70		2	
14/5	AL 81	660+79.60		2143.5	12°0'0"L	1051.6	1108.9	T23WG-WSH-W1H1	80.0	85	80	85	2	Rake 9"
14/6	AL 82	682+23.10	682+22.20	602.8	49°51'0"R	1159.1	1217.7	T23WG-WSH-W1H1		75	75	75	2	
15/1	AL 83	688+25.00		472.7		1173.5	1210.5	T22WA-TSH		50	50		2	X-Brace
15/2	AL 84	692+97.70		1090.1		1141.6	1190.9	T22WA-TSH-C1		65	70		2	
15/3	AL 85	703+87.80		472.2		1138.4	1182.8	T22WA-TSH-C1		60	60		2	
15/4	AL 86	708+60.00		333.2		1178.5	1210.3	T22WA-TSH		45	45		2	
15/5	AL 87	711+93.20		706.8	21°48'0"L	1182.4	1217.5	23WC-WSH		50	50	50	1	Rake 12"
15/6	AL 88	719+00.00		550.0		1191.0	1232.0	22WA-WSH		55	60		1	X-Brace
15/7	AL 89	724+50.00		534.8		1191.9	1232.6	T22WA-TSH		55	55		2	X-Brace

COND: ACSR Flamingo (AL 90 - AL 105) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 105 - AL 106) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
15/8	AL 90	729+84.80		215.2	15°26'0"L	1177.3	1221.1	T23WC-SWH		60	60	60	2	Rake 9"
15/9	AL 91	732+00.00		825.0		1176.4	1218.0	T22WA-TSH		55	55		2	X-Brace
16/1	AL 92	740+25.00		425.0		1164.3	1196.5	T22WA-TSH		45	50		2	X-Brace
16/2	AL 93	744+50.00		650.0		1139.0	1186.5	T22WA-TSH		60	60		2	X-Brace
16/3	AL 94	751+00.00		550.0		1135.5	1181.0	T22WA-TSH		60	60		2	X-Brace
16/4	AL 95	756+50.00		320.7		1151.0	1191.5	22WA-WSH		55	55		1	
16/5	AL 96	759+70.70		746.3	14°10'0"L	1138.1	1177.9	23WC-WSH		55	50	60	1	Rake 9"
16/6	AL 97	767+17.00		333.0		1146.8	1184.0	T22WA-TSH		50	50		2	X-Brace
16/7	AL 98	770+50.00		692.2		1151.9	1189.0	T22WA-TSH		50	50		2	X-Brace
16/8	AL 99	777+42.20		360.6		1158.0	1194.6	T22WA-TSH		50	50		2	X-Brace
16/9	AL 100	781+02.80		897.2	23°18'0"R	1116.4	1170.7	T23WE-AWH-H1		70	70	75	2	Rake 12"
16/10	AL 101	790+00.00		614.9		1129.6	1174.8	T22WA-TSH-C1		60	60		2	X-Brace
17/1	AL 102	796+14.90		477.6	14°41'0"L	1123.4	1172.1	T23WC-SWH		65	65	65	2	Rake 9"
17/2	AL 103	800+92.50		816.2		1126.2	1162.9	T22WA-TSH		50	50		2	X-Brace
17/3	AL 104	809+08.70		666.3		1084.2	1139.5	T22WA-TSH		70	70		2	
17/4	AL 105	815+75.00		312.5		1127.0	1168.5	T22WA-TSH		55	60		2	



COND: ACSR Flamingo (AL 106 - AL 120) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 120 - AL 121) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
17/5	AL 106	818+87.50		812.5	36°0'0"L	1116.5	1160.6	23WC-WSH		55	60	65	2	Rake 15"
17/6	AL 107	827+00.00		192.0		1130.9	1168.0	T22WA-TSH		50	50		2	X-Brace
17/7	AL 108	828+92.00		908.0		1123.3	1174.5	T22WA-TSH		70	65		2	
17/8	AL 109	838+00.00		342.4		1196.5	1238.0	T22WA-TSH		55	55		2	X-Brace
17/9	AL 110	841+42.40		600.8		1183.2	1223.5	T22WA-TSH		55	55		2	
18/1	AL 111	847+43.20		1891.8	8°14'0"R	1152.5	1193.4	T23WE-AWH-H1		55	55	55	2	Rake 6"
18/2	AL 112	866+35.00		269.6		1129.9	1165.3	23WE-WSH		50	50	50	2	
18/3	AL 113	869+04.60		720.4	21°51'0"R	1162.7	1201.8	T23WC-SWH-H2		55	55	55	2	Rake 12"
18/4	AL 114	876+25.00		625.0		1273.9	1323.4	T22WA-TSH		65	65		2	
18/5	AL 115	882+50.00		750.0		1438.6	1482.7	T22WA-TSH		60	60		2	X-Brace
18/6	AL 116	890+00.00		380.7		1561.0	1605.3	T22WA-TSH		60	60		2	X-Brace
18/7	AL 117	893+80.70		324.4	51°57'0"R	1620.3	1660.8	T23WE-AWH-H1		55	55	55	2	Rake 15"
18/8	AL 118	897+05.10		1294.9		1604.8	1648.9	T22WA-TSH-C1		60	65		2	
19/1	AL 119	910+00.00		900.0		1541.1	1589.9	T23WE-AWH-H1		65	65	70	2	
19/2	AL 120	919+00.00		200.0		1605.9	1641.3	T22WA-TSH		50	50		2	X-Brace

COND: ACSR Flamingo (AL 121 - AL 135) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 135 - AL 136) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
19/3	AL 121	921+00.00		650.0		1606.7	1643.0	T22WA-TSH		50	50		2	
19/4	AL 122	927+50.00		882.0		1532.2	1586.0	T22WA-TSH-C1	70.0	75	70		2	
19/5	AL 123	936+32.00		743.0		1387.2	1437.4	T22WA-TSH-C1		65	65		2	
19/6	AL 124	943+75.00		385.9		1187.2	1241.3	22WA-WSH	70.0	75	70		2	X-Brace
19/7	AL 125	947+60.90		989.1	2°56'0"L	1099.1	1149.0	T23WE-AWH-H1	65.0	70	65	60	2	Rake 6"
20/1	AL 126	957+50.00		350.0		1078.9	1116.0	T22WA-TSH		50	50		2	X-Brace
20/2	AL 127	961+00.00		1266.6		1042.8	1096.4	22WA-WSH		70	70		1	X-Brace
20/3	AL 128	973+66.60		733.4	45°0'0"L	1022.5	1081.1	23WG-WSH		75	75	80	2	Rake 18"
20/4	AL 129	981+00.00		325.0		1094.5	1145.1	22WA-WSH		65	65		1	
20/5	AL 130	984+25.00		1195.0		1114.5	1182.0	T22WA-TSH-C1		85	85		2	
20/6	AL 131	996+20.00		295.7		1151.2	1215.0	T22WA-TSH		80	80		2	
20/7	AL 132	999+15.70		612.5	0°3'0"R	1175.0	1212.0	T22WA-TSH		50	55		2	
21/1	AL 133	1005+28.20	1004+90.80	374.2		1132.4	1177.3	T22WA-TSH		55	60		1	X-Brace
21/2	AL 134	1008+65.00		992.0		1116.9	1157.7	22WA-WSH		60	65		1	X-Brace
21/3	AL 135	1018+57.00		403.0	31°58'0"L	1067.5	1103.9	T23WE-AWH-H1		50	50	50	2	Rake 15"

COND: ACSR Flamingo (AL 136 - AL 151) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 151 - AL 152) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
21/4	AL 136	1022+60.00		740.0		1076.4	1117.3	T22WA-TSH		55	55		2	X-Brace
21/5	AL 137	1030+00.00		485.1		1082.3	1131.8	T22WA-TSH		65	65		2	X-Brace
21/6	AL 138	1034+85.10		614.9		1098.7	1140.0	T22WA-TSH		55	55		2	X-Brace
21/7	AL 139	1041+00.00		650.0		1098.5	1138.8	T22WA-TSH		55	55		2	X-Brace
21/8	AL 140	1047+50.00		739.1		1075.8	1122.0	T22WA-TSH		60	60		2	X-Brace
21/9	AL 141	1054+89.10		428.3	15°22'0"L	1081.2	1120.4	23WC-WSH		55	55	60	1	Rake 9"
22/1	AL 142	1059+17.40		857.3		1080.7	1122.0	22WA-WSH		55	55		1	X-Brace
22/2	AL 143	1067+74.70		400.3		1109.6	1155.0	22WA-WSH		60	60		1	X-Brace
22/3	AL 144	1071+75.00		800.0		1123.7	1160.5	T22WA-TSH		50	55		2	X-Brace
22/4	AL 145	1079+75.00		608.4		1143.2	1185.5	T22WA-TSH		55	60		2	X-Brace
22/5	AL 146	1085+83.40	1085+78.20	696.8	3°30'0"R	1112.7	1152.0	T23WB-SWH		55	55	55	2	Rake 6"
22/6	AL 147	1092+75.00		1350.0		1066.1	1103.5	23WE-WSH		50	50	55	2	
22/7	AL 148	1106+25.00		775.0		1060.7	1108.4	23WE-WSH	65.0	60	65	70	2	X-Brace
23/1	AL 149	1114+00.00		525.0		1182.6	1232.7	T22WA-TSH		65	65		2	X-Brace
23/2	AL 150	1119+25.00		476.8		1286.6	1331.0	T22WA-TSH-C1		60	60		2	
23/3	AL 151	1124+01.80	1130+20.00	689.5	27°26'0"R	1222.3	1275.5	T23WC-SWH-H2		70	70	70	2	Rake 12"

COND: ACSR Flamingo (AL 152 - AL 165) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 165 - AL 166) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
23/4	AL 152	1137+09.50		1165.5		1098.8	1140.1	23WE-WSH		55	55	55	2	
23/5	AL 153	1148+75.00		605.0		1055.1	1095.0	T23WE-AWH-H1		50	55	60	2	
23/6	AL 154	1154+80.00		345.0		1056.2	1098.5	T22WA-TSH		55	60		2	
23/7	AL 155	1158+25.00		568.6		1050.1	1094.1	T22WA-TSH		60	60		2	
23/8	AL 156	1163+93.60		731.4		1012.3	1053.5	T22WA-TSH		55	55		2	X-Brace
24/1	AL 157	1171+25.00		305.0		1011.6	1047.6	T22WA-TSH		50	50		2	X-Brace
24/2	AL 158	1174+30.00		986.8		995.4	1032.5	T22WA-TSH		50	55		2	X-Brace
24/3	AL 159	1184+16.80		855.3	5°12'0"R	959.3	995.0	T23WE-AWH-H1		50	50	50	2	Rake 6" X-Brace
24/4	AL 160	1192+72.10		592.9		932.1	970.0	T22WA-TSH		50	50		2	X-Brace
24/5	AL 161	1198+65.00		750.1		922.3	962.0	T22WA-TSH		55	60		2	X-Brace
24/6	AL 162	1206+15.10		534.9		902.7	944.0	T22WA-TSH		55	60		2	X-Brace
24/7	AL 163	1211+50.00		644.8		892.4	930.0	T22WA-TSH		50	55		2	X-Brace
	NO STRUC	1213+93.20	1213+83.20	Mid-Span Equation										
24/8	AL 164	1217+84.80		679.0		839.6	882.0	T22WA-TSH		55	60		2	X-Brace
25/1	AL 165	1224+63.80		636.2	22°18'0"R	795.1	830.2	23WC-WSH		50	50	50	2	Rake 12"

COND: ACSR Flamingo (AL 166 - AL 180) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 ACSR Flamingo (AL 180 - AL 181) M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 SHLD: \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_  
 \_\_\_\_\_ M.W.T.: \_\_\_\_\_ ICE: \_\_\_\_\_

OPER. NAME: Cougar-Holden Creek No 1  
 DESIGN NAME: \_\_\_\_\_  
 OPER. LINE XREF: CUGR-HOLD-1  
 OPER. VOLTAGE: 115 kV  
 MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
25/2	AL 166	1231+00.00		750.0		728.7	788.2	T22WA-TSH		75	75		2	
25/3	AL 167	1238+50.00		640.0		718.5	777.7	T22WA-TSH		75	75		2	
25/4	AL 168	1244+90.00	1244+90.30	674.7	14°56'0"L	714.6	763.4	T23WC-SWH		65	65	65	2	Rake 9"
25/5	AL 169	1251+65.00		584.1		709.8	758.3	T22WA-TSH		65	70		2	X-Brace
25/6	AL 170	1257+49.10	1258+00.00	715.0	17°17'0"L	682.6	735.5	T23WC-SWH		70	70	70	2	Rake 9"
25/7	AL 171	1265+15.00		585.0		690.4	749.0	T22WA-TSH		75	75		2	
25/8	AL 172	1271+00.00		725.0		688.5	752.6	T22WA-TSH		80	80		2	
26/1	AL 173	1278+25.00		675.0		690.5	745.1	22WA-WSH		75	75		2	X-Brace
26/2	AL 174	1285+00.00		700.0		688.6	738.2	T22WA-TSH		65	65		2	X-Brace
26/3	AL 175	1292+00.00		700.0		686.1	736.0	T22WA-TSH		65	65		2	
26/4	AL 176	1299+00.00		680.0		685.4	731.1	T22WA-TSH		60	60		2	X-Brace
26/5	AL 177	1305+80.00		695.0		682.4	729.1	T22WA-TSH		60	60		2	X-Brace
26/6	AL 178	1312+75.00		675.0		680.3	726.6	T22WA-TSH		60	60		2	X-Brace
26/7	AL 179	1319+50.00		550.0		677.0	732.9	22WA-WSH		70	70			X-Brace
26/8	AL 180	1325+00.00		840.0		674.2	729.6	22WA-WSH		70	70		1	X-Brace

COND: ACSR Flamingo (AL 181 - HOLD 1S)

SHLD:

M.W.T.:

M.W.T.:

M.W.T.:

M.W.T.:

M.W.T.:

M.W.T.:

M.W.T.:

M.W.T.:

ICE:

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ICE:

OPER. NAME: Cougar-Holden Creek No 1

DESIGN NAME:

OPER. LINE XREF: CUGR-HOLD-1

OPER. VOLTAGE: 115 kV

MARKING: Pole: C H 1 Tower: CUGR HOLD 1

TLDD Extract Date: 9/16/2020

MILE/ STRUC	SERIAL NUMBER	STATION		SPAN AHEAD	ANGLE	CL ELEV.	COND ELEV	STRUCTURE TYPE	NOM HT	POLE LENGTH			Pole Class	DESCRIPTION & REMARKS
		BACK	AHEAD							A	B	C		
27/1	AL 181	1333+40.00		435.0	15°45'0"L	723.2	773.0	T23WE-AWH-H1		60	60	70	2	Rake 9"
27/2	AL 182	1337+75.00		380.7		747.6	781.9	22WA-WSH		50	55		2	
27/3	AL 183	1341+55.70		547.5		725.5	768.4	22WA-WSH		55	60		2	
27/4	AL 184	1347+03.20		599.4	8°37'0"L	699.1	743.7	T23WC-SWH-U2		60	60	60	2	Rake 6"
27/5	AL 185	1353+02.60		695.3		695.9	736.4	T22WA-TSH		55	55		2	X-Brace
27/6	AL 186	1359+97.90		702.1	93°5'0"R	683.8	721.4	T23WE-AWH-H1	45.0	40	45	50	2	Rake 6"
27/7	AL 187	1367+00.00		500.0		665.7	712.0	T22WA-TSH		60	60		2	X-Brace
27/8	AL 188	1372+00.00		440.0		666.5	721.1	T22WA-TSH		70	70		2	
27/9	AL 189	1376+40.00		274.0	1°36'0"L	674.5	733.8	T23WE-AWH-H1		75	75	75	2	
27/10	BEK 190	1379+14.00	8+31.50	168.5	94°29'0"R			0LP2-N		103				
									STR HT	STRUCTURE CATEGORY				
27/11	HOLD 1S	10+00.00					722.0	S2ST-38-30-10-01		Bay (SSDE)				

Poles				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1					
Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 8	A	30SP	30SP-C2		65	1959-01-01	1959-01-01		
AL 8	B	30SP	30SP-C2		62.5	1959-01-01	1959-01-01		
AL 8	C	30SP	30SP-C2		57.5	1959-01-01	1959-01-01		
AL 10M	A	P-2SWH	22WA-WSH-C1	1	70	2019-03-01	2016-01-01		
AL 10M	B	P-2SWH	22WA-WSH-C1	1	70	2019-03-01	2016-01-01		
AL 10M	XA1	P-2SWH	22WA-WSH-C1			2019-03-01	2019-01-01	Double Wide Flange Horz	Steel
AL 10M	XB1	P-2SWH	22WA-WSH-C1			2019-03-01	2019-01-01		Steel
AL 11	A	30SP	30SP-F2		77.5	1959-01-01	1959-01-01		
AL 11	B	30SP	30SP-F2		75	1959-01-01	1959-01-01		
AL 11	C	30SP	30SP-F2		70	1959-01-01	1959-01-01		
AL 12	A	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 12	B	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 12	C	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 14	A	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 14	B	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 14	C	30SP	30SP-F2		95	1959-01-01	1959-01-01		
AL 17	A	30SP	30SP-F1		80	1959-01-01	1959-01-01		
AL 17	B	30SP	30SP-F1		82.5	1959-01-01	1959-01-01		
AL 17	C	30SP	30SP-F1		82.5	1959-01-01	1959-01-01		
AL 21	A	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 21	B	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 21	C	30SP	30SP-C1		67.5	1959-01-01	1959-01-01		
AL 27	A	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 27	B	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 27	C	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 30	A	10	10SW		55	1965-01-01	1965-01-01		
AL 30	B	10	10SW		55	1965-01-01	1965-01-01		
AL 30	S1	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	S2	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	S3	P-0SW-AUX	01WD-XXX-AUX	2	30	1965-01-01	1965-01-01		
AL 30	XA1	10	10SW			1965-01-01		Lattice Horz	Steel
AL 30	XA2	10	10SW			1965-01-01		Lattice Horz	Steel
AL 31	A	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 31	B	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 31	C	30SP	30SP-F2		57.5	1959-01-01	1959-01-01		
AL 36	A	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		
AL 36	B	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		
AL 36	C	30SP	30SP-F2		62.5	1959-01-01	1959-01-01		

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 38	A	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 38	B	30SP	30SP-F2		42.5	1959-01-01	1959-01-01		
AL 38	C	30SP	30SP-F2		45	1959-01-01	1959-01-01		
AL 42	A	30SP	30SP-C1		55	1959-01-01	1959-01-01		
AL 42	B	30SP	30SP-C1		62.5	1959-01-01	1959-01-01		
AL 42	C	30SP	30SP-C1		75	1959-01-01	1959-01-01		
AL 45	A	30SP	30SP-F1		62.5	1959-01-01	1959-01-01		
AL 45	B	30SP	30SP-F1		67.5	1959-01-01	1959-01-01		
AL 45	C	30SP	30SP-F1		72.5	1959-01-01	1959-01-01		
AL 49	A	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	C	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 49	XA1	P-2SWH	T23WE-AWH-H1			1980-01-01		Sawn Horz	Wood
AL 50	A	P-2SWH	T23WE-AWH-H1	2	65	1995-07-07	1995-01-01		
AL 50	B	P-2SWH	T23WE-AWH-H1	2	60	1995-07-07	1995-01-01		
AL 50	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 50	XA1	P-2SWH	T23WE-AWH-H1			1980-01-01		Sawn Horz	Wood
AL 51	A	P-2SWH	T22WA-TSH	2	65	1982-01-01	1977-01-01		
AL 51	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 51	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 52	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 52	B	P-2SWH	T22WA-TSH	2	55	1982-01-01	1982-01-01		
AL 52	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 52	XB1	P-2SWH	T22WA-TSH						
AL 53	A	P-2SWH	T22WA-TSH	2	70	1959-01-01	1959-01-01		
AL 53	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 53	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 53	XB1	P-2SWH	T22WA-TSH						
AL 54	A	P-2SWH	22WA-WSH	2	75	2012-06-21	2010-01-01		
AL 54	B	P-2SWH	22WA-WSH	2	70	2012-06-21	2011-01-01		
AL 54	XA1	P-2SWH	22WA-WSH			2012-06-21		Wide Flange Horz	Steel
AL 54	XB1	P-2SWH	22WA-WSH						
AL 55	A	P-2SWH	T22WA-TSH-C1	2	75	1981-01-01	1981-01-01		
AL 55	B	P-2SWH	T22WA-TSH-C1	2	70	1959-01-01	1959-01-01		
AL 55	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 56	A	P-2SWH	23WC-WSH	1	60	2019-09-01	2015-01-01		
AL 56	B	P-2SWH	23WC-WSH	1	55	2019-09-01	2015-01-01		
AL 56	C	P-2SWH	23WC-WSH	1	50	2019-09-01	2015-01-01		
AL 56	XA1	P-2SWH	23WC-WSH			2019-09-01	2019-01-01	Spar Horz	Steel



Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 57	A	P-2SWH	22WA-WSH	1	70	2018-09-01	2016-01-01		
AL 57	B	P-2SWH	22WA-WSH	1	60	2018-09-01	2015-01-01		
AL 57	XA1	P-2SWH	22WA-WSH			2018-09-01	2018-01-01	Wide Flange Horz	Steel
AL 57	XB1	P-2SWH	22WA-WSH			2018-09-01	2018-01-01		
AL 58	A	P-2SWH	T22WA-TSH	2	70	2010-05-18	2009-01-01		
AL 58	B	P-2SWH	T22WA-TSH	2	65	1977-01-01	1977-01-01		
AL 58	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 58	XB1	P-2SWH	T22WA-TSH						
AL 59	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 59	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 59	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 60	A	P-2SWH	T23WE-AWH-H1	2	70	1975-01-01	1975-01-01		
AL 60	B	P-2SWH	T23WE-AWH-H1	2	65	1975-01-01	1975-01-01		
AL 60	C	P-2SWH	T23WE-AWH-H1	2	60	1971-01-01	1971-01-01		
AL 60	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood
AL 61	A	P-2SWH	23WG-WSH	2	75	2012-06-14	2010-01-01		
AL 61	B	P-2SWH	23WG-WSH	2	65	2012-06-14	2011-01-01		
AL 61	C	P-2SWH	23WG-WSH	2	60	2012-06-14	2011-01-01		
AL 61	XA1	P-2SWH	23WG-WSH			1981-01-01		Wide Flange Horz	Steel
AL 62	A	P-2SWH	T22WA-TSH	2	60	2012-07-26	2010-01-01		
AL 62	B	P-2SWH	T22WA-TSH	2	55	2012-07-26	2012-01-01		
AL 62	XA1	P-2SWH	T22WA-TSH			2012-07-26		Truss Horz	Steel
AL 63	A	P-2SWH	T22WA-TSH-C1	2	70	1987-10-23	1981-01-01		
AL 63	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 63	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 64	A	P-2SWH	T22WA-TSH	2	65	2010-05-19	2008-01-01		
AL 64	B	P-2SWH	T22WA-TSH	2	55	2010-05-19	2007-01-01		
AL 64	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 64	XB1	P-2SWH	T22WA-TSH						
AL 65	A	P-2SWH	T23WE-AWH-H1	2	90	1959-01-01	1959-01-01		
AL 65	B	P-2SWH	T23WE-AWH-H1	2	80	1959-01-01	1959-01-01		
AL 65	C	P-2SWH	T23WE-AWH-H1	H1	80	2014-05-15	2014-01-01		
AL 65	XA1	P-2SWH	T23WE-AWH-H1			1992-04-16		Sawn Horz	Wood
AL 66	A	P-2SWH	T23WE-AWH-H1	2	90	1975-01-01	1975-01-01		
AL 66	B	P-2SWH	T23WE-AWH-H1	2	85	1959-01-01	1959-01-01		
AL 66	C	P-2SWH	T23WE-AWH-H1	2	85	1990-08-06	1988-01-01		
AL 66	XA1	P-2SWH	T23WE-AWH-H1			1992-04-16		Sawn Horz	Wood
AL 67	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 67	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 67	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 67	XB1	P-2SWH	T22WA-TSH						
AL 68	A	P-2SWH	T22WA-TSH-C1	2	70	1975-01-01	1975-01-01		
AL 68	B	P-2SWH	T22WA-TSH-C1	2	70	1998-08-12	1998-01-01		
AL 68	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 69	A	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2000-01-01		
AL 69	B	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2000-01-01		
AL 69	C	P-2SWH	T23WE-AWH-H1	2	60	2004-05-06	2002-01-01		
AL 69	XA1	P-2SWH	T23WE-AWH-H1			1992-03-13		Sawn Horz	Wood
AL 70	A	P-2SWH	T22WA-TSH-C1	2	55	2007-02-15	2005-01-01		
AL 70	B	P-2SWH	T22WA-TSH-C1	2	55	2007-02-14	2005-01-01		
AL 70	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 70	XB1	P-2SWH	T22WA-TSH-C1						
AL 71	A	P-2SWH	22WA-WSH	1	50	2017-08-01	2016-01-01		
AL 71	B	P-2SWH	22WA-WSH	1	50	2017-08-01	2016-01-01		
AL 71	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 71	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 72	A	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 72	B	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 72	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 72	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 73	A	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	B	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	C	P-2SWH	23WE-WSH	1	60	2012-06-20	2012-01-01		
AL 73	XA1	P-2SWH	23WE-WSH			1977-01-01		Wide Flange Horz	Steel
AL 74	A	P-2SWH	T22WA-TSH	2	55	2006-05-01	2005-01-01		
AL 74	B	P-2SWH	T22WA-TSH	2	55	2006-05-01	2005-01-01		
AL 74	XA1	P-2SWH	T22WA-TSH			2006-05-01		Truss Horz	Steel
AL 74	XB1	P-2SWH	T22WA-TSH						
AL 75	A	P-2SWH	T22WA-TSH-C1	2	60	2006-05-02	2005-01-01		
AL 75	B	P-2SWH	T22WA-TSH-C1	2	60	2006-05-02	2005-01-01		
AL 75	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 76	A	P-2SWH	T22WA-TSH-C1	2	65	2006-05-15	2005-01-01		
AL 76	B	P-2SWH	T22WA-TSH-C1	2	65	2006-05-15	2005-01-01		
AL 76	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 77	A	P-2SWH	T22WA-TSH	2	55	2006-05-03	2005-01-01		
AL 77	B	P-2SWH	T22WA-TSH	2	55	2006-05-02	2002-01-01		
AL 77	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 77	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 78	A	P-2SWH	T22WA-TSH	2	60	2006-05-04	2004-01-01		
AL 78	B	P-2SWH	T22WA-TSH	2	60	2006-05-03	2004-01-01		
AL 78	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 78	XB1	P-2SWH	T22WA-TSH						
AL 79	A	P-2SWH	T22WA-TSH	2	60	1998-08-13	1998-01-01		
AL 79	B	P-2SWH	T22WA-TSH	2	60	2006-05-17	2005-01-01		
AL 79	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 79	XB1	P-2SWH	T22WA-TSH						
AL 80	A	P-2SWH	T22WA-TSH-C1	2	70	2006-05-16	2004-01-01		
AL 80	B	P-2SWH	T22WA-TSH-C1	2	70	2006-05-16	2005-01-01		
AL 80	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 81	A	P-2SWH	T23WG-WSH-W1H1	2	85	2012-08-14	2011-01-01		
AL 81	B	P-2SWH	T23WG-WSH-W1H1	2	80	2012-08-14	2010-01-01		
AL 81	C	P-2SWH	T23WG-WSH-W1H1	2	85	2012-08-14	2011-01-01		
AL 81	XA1	P-2SWH	T23WG-WSH-W1H1			1982-01-01		Wide Flange Horz	Steel
AL 82	A	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	B	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	C	P-2SWH	T23WG-SWH-W1H1	2	75	2017-08-01	2015-01-01		
AL 82	XA1	P-2SWH	T23WG-SWH-W1H1			2017-08-02		Spar Horz	Wood
AL 83	A	P-2SWH	T22WA-TSH	2	50	2006-05-04	2000-01-01		
AL 83	B	P-2SWH	T22WA-TSH	2	50	1985-01-01	1985-01-01		
AL 83	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 83	XB1	P-2SWH	T22WA-TSH						
AL 84	A	P-2SWH	T22WA-TSH-C1	2	65	2014-10-19	2014-01-01		
AL 84	B	P-2SWH	T22WA-TSH-C1	2	70	2014-10-19	2011-01-01		
AL 84	XA1	P-2SWH	T22WA-TSH-C1			2014-10-19		Double Truss Horz	Steel
AL 85	A	P-2SWH	T22WA-TSH-C1	2	60	2014-10-19	2013-01-01		
AL 85	B	P-2SWH	T22WA-TSH-C1	2	60	2014-10-19	2013-01-01		
AL 85	XA1	P-2SWH	T22WA-TSH-C1			2014-10-19		Double Truss Horz	Steel
AL 86	A	P-2SWH	T22WA-TSH	2	45	1992-04-14	1991-01-01		
AL 86	B	P-2SWH	T22WA-TSH	2	45	1959-01-01	1959-01-01		
AL 86	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 87	A	P-2SWH	23WC-WSH	1	50	2018-09-01	2016-01-01		
AL 87	B	P-2SWH	23WC-WSH	1	50	2018-09-01	2015-01-01		
AL 87	C	P-2SWH	23WC-WSH	1	50	2018-09-01	2016-01-01		
AL 87	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 88	A	P-2SWH	22WA-WSH	1	55	2018-08-01	2015-01-01		
AL 88	B	P-2SWH	22WA-WSH	1	60	2018-08-01	2015-01-01		
AL 88	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 88	XB1	P-2SWH	22WA-WSH			2018-09-02			

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 89	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 89	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 89	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 89	XB1	P-2SWH	T22WA-TSH						
AL 90	A	P-2SWH	T23WC-SWH	2	60	2014-10-19	2013-01-01		
AL 90	B	P-2SWH	T23WC-SWH	2	60	1988-09-01	1987-01-01		
AL 90	C	P-2SWH	T23WC-SWH	2	60	2006-05-05	2004-01-01		
AL 90	XA1	P-2SWH	T23WC-SWH			1982-01-01		Spar Horz	Wood
AL 91	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 91	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 91	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 91	XB1	P-2SWH	T22WA-TSH						
AL 92	A	P-2SWH	T22WA-TSH	2	45	1981-01-01	1981-01-01		
AL 92	B	P-2SWH	T22WA-TSH	2	50	1985-01-01	1985-01-01		
AL 92	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 92	XB1	P-2SWH	T22WA-TSH						
AL 93	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 93	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 93	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 93	XB1	P-2SWH	T22WA-TSH						
AL 94	A	P-2SWH	T22WA-TSH	2	60	1992-04-14	1991-01-01		
AL 94	B	P-2SWH	T22WA-TSH	2	60	1982-01-01	1982-01-01		
AL 94	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 94	XB1	P-2SWH	T22WA-TSH						
AL 95	A	P-2SWH	22WA-WSH	1	55	2018-08-01	2017-01-01		
AL 95	B	P-2SWH	22WA-WSH	1	55	2018-09-01	2017-01-01		
AL 95	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 96	A	P-2SWH	23WC-WSH	1	55	2018-09-01	2015-01-01		
AL 96	B	P-2SWH	23WC-WSH	1	50	2018-09-01	2017-01-01		
AL 96	C	P-2SWH	23WC-WSH	1	60	2018-09-01	2015-01-01		
AL 96	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 97	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 97	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 97	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 97	XB1	P-2SWH	T22WA-TSH						
AL 98	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 98	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 98	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 98	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 99	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 99	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 99	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 99	XB1	P-2SWH	T22WA-TSH						
AL 100	A	P-2SWH	T23WE-AWH-H1	2	70	1998-08-12	1996-01-01		
AL 100	B	P-2SWH	T23WE-AWH-H1	2	70	1959-01-01	1959-01-01		
AL 100	C	P-2SWH	T23WE-AWH-H1	2	75	1959-01-01	1959-01-01		
AL 100	XA1	P-2SWH	T23WE-AWH-H1			1981-01-01		Sawn Horz	Wood
AL 101	A	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 101	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 101	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 101	XB1	P-2SWH	T22WA-TSH-C1						
AL 102	A	P-2SWH	T23WC-SWH	2	65	1959-01-01	1959-01-01		
AL 102	B	P-2SWH	T23WC-SWH	2	65	1994-05-18	1991-01-01		
AL 102	C	P-2SWH	T23WC-SWH	2	65	1992-04-15	1991-01-01		
AL 102	XA1	P-2SWH	T23WC-SWH			1984-01-01		Spar Horz	Wood
AL 103	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 103	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 103	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 103	XB1	P-2SWH	T22WA-TSH						
AL 104	A	P-2SWH	T22WA-TSH	2	70	2006-05-18	2005-01-01		
AL 104	B	P-2SWH	T22WA-TSH	2	70	2006-05-18	2004-01-01		
AL 104	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 105	A	P-2SWH	T22WA-TSH	2	55	2006-05-18	2005-01-01		
AL 105	B	P-2SWH	T22WA-TSH	2	60	2006-05-17	2004-01-01		
AL 105	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 106	A	P-2SWH	23WC-WSH	2	55	2017-08-01	2015-01-01		
AL 106	B	P-2SWH	23WC-WSH	2	60	2017-08-01	2015-01-01		
AL 106	C	P-2SWH	23WC-WSH	2	65	2017-08-01	2015-01-01		
AL 106	XA1	P-2SWH	23WC-WSH			2017-08-02		Spar Horz	Wood
AL 107	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 107	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 107	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 107	XB1	P-2SWH	T22WA-TSH						
AL 108	A	P-2SWH	T22WA-TSH	2	70	1988-09-01	1987-01-01		
AL 108	B	P-2SWH	T22WA-TSH	2	65	1987-01-01	1987-01-01		
AL 108	XA1	P-2SWH	T22WA-TSH			1970-01-01		Truss Horz	Steel
AL 109	A	P-2SWH	T22WA-TSH	2	55	2002-05-23	2001-01-01		
AL 109	B	P-2SWH	T22WA-TSH	2	55	2002-05-23	2000-01-01		
AL 109	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 109	XB1	P-2SWH	T22WA-TSH						
AL 110	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 110	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 110	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 111	A	P-2SWH	T23WE-AWH-H1	2	55	1959-01-01	1959-01-01		
AL 111	B	P-2SWH	T23WE-AWH-H1	2	55	1959-01-01	1959-01-01		
AL 111	C	P-2SWH	T23WE-AWH-H1	2	55	1984-01-01	1984-01-01		
AL 111	XA1	P-2SWH	T23WE-AWH-H1			1985-01-01		Sawn Horz	Wood
AL 112	A	P-2SWH	23WE-WSH	2	50	2018-09-01	2015-01-01		
AL 112	B	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 112	C	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 112	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 113	A	P-2SWH	T23WC-SWH-H2	2	55	1959-01-01	1959-01-01		
AL 113	B	P-2SWH	T23WC-SWH-H2	2	55	1959-01-01	1959-01-01		
AL 113	C	P-2SWH	T23WC-SWH-H2	2	55	1981-01-01	1981-01-01		
AL 113	XA1	P-2SWH	T23WC-SWH-H2			1982-01-01		Spar Horz	Wood
AL 114	A	P-2SWH	T22WA-TSH	2	65	1965-01-01	1965-01-01		
AL 114	B	P-2SWH	T22WA-TSH	2	65	1967-01-01	1967-01-01		
AL 114	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 115	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 115	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 115	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 115	XB1	P-2SWH	T22WA-TSH						
AL 116	A	P-2SWH	T22WA-TSH	2	60	1984-01-01	1984-01-01		
AL 116	B	P-2SWH	T22WA-TSH	2	60	1974-01-01	1974-01-01		
AL 116	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 116	XB1	P-2SWH	T22WA-TSH						
AL 117	A	P-2SWH	T23WE-AWH-H1	2	55	2011-05-02	2008-01-01		
AL 117	B	P-2SWH	T23WE-AWH-H1	2	55	2011-05-04	2007-01-01		
AL 117	C	P-2SWH	T23WE-AWH-H1	2	55	2011-05-05	2007-01-01		
AL 117	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood
AL 118	A	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 118	B	P-2SWH	T22WA-TSH-C1	2	65	1959-01-01	1959-01-01		
AL 118	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 119	A	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 119	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 119	C	P-2SWH	T23WE-AWH-H1	2	70	1959-01-01	1959-01-01		
AL 119	XA1	P-2SWH	T23WE-AWH-H1			1977-01-01		Sawn Horz	Wood

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 120	A	P-2SWH	T22WA-TSH	2	50	2007-02-14	2002-01-01		
AL 120	B	P-2SWH	T22WA-TSH	2	50	2007-02-13	1999-01-01		
AL 120	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 120	XB1	P-2SWH	T22WA-TSH						
AL 121	A	P-2SWH	T22WA-TSH	2	50	2007-02-13	2000-01-01		
AL 121	B	P-2SWH	T22WA-TSH	2	50	2007-02-13	2002-01-01		
AL 121	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 122	A	P-2SWH	T22WA-TSH-C1	2	75	1959-01-01	1959-01-01		
AL 122	B	P-2SWH	T22WA-TSH-C1	2	70	1981-01-01	1981-01-01		
AL 122	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 123	A	P-2SWH	T22WA-TSH-C1	2	65	1973-01-01	1973-01-01		
AL 123	B	P-2SWH	T22WA-TSH-C1	2	65	2010-05-21	2007-01-01		
AL 123	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel
AL 124	A	P-2SWH	22WA-WSH	2	75	2012-08-17	2012-01-01		
AL 124	B	P-2SWH	22WA-WSH	2	70	2012-08-17	2012-01-01		
AL 124	XA1	P-2SWH	22WA-WSH			1959-01-01		Wide Flange Horz	Steel
AL 124	XB1	P-2SWH	22WA-WSH						
AL 125	A	P-2SWH	T23WE-AWH-H1	2	70	1981-01-01	1981-01-01		
AL 125	B	P-2SWH	T23WE-AWH-H1	2	65	1959-01-01	1959-01-01		
AL 125	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 125	XA1	P-2SWH	T23WE-AWH-H1			1982-01-01		Sawn Horz	Wood
AL 126	A	P-2SWH	T22WA-TSH	2	50	1978-01-01	1978-01-01		
AL 126	B	P-2SWH	T22WA-TSH	2	50	2004-05-05	2001-01-01		
AL 126	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 126	XB1	P-2SWH	T22WA-TSH						
AL 127	A	P-2SWH	22WA-WSH	1	70	2019-09-01	2015-01-01		
AL 127	B	P-2SWH	22WA-WSH	1	70	2019-09-01	2015-01-01		
AL 127	XA1	P-2SWH	22WA-WSH			2019-09-01	2019-01-01	Double Truss Horz	Steel
AL 127	XB1	P-2SWH	22WA-WSH			2019-09-02			Steel
AL 128	A	P-2SWH	23WG-WSH	2	75	2012-06-29	2012-01-01		
AL 128	B	P-2SWH	23WG-WSH	2	75	2012-06-29	2012-01-01		
AL 128	C	P-2SWH	23WG-WSH	2	80	2012-06-29	2012-01-01		
AL 128	XA1	P-2SWH	23WG-WSH			1987-08-01		Wide Flange Horz	Steel
AL 129	A	P-2SWH	22WA-WSH	1	65	2018-09-01	2015-01-01		
AL 129	B	P-2SWH	22WA-WSH	1	65	2018-09-01	2016-01-01		
AL 129	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 130	A	P-2SWH	22WA-WSH-C1	2	85	2018-09-01	2016-01-01		
AL 130	B	P-2SWH	22WA-WSH-C1	2	85	2018-09-01	2016-01-01		
AL 130	XA1	P-2SWH	22WA-WSH-C1			1959-01-01		Double Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 131	A	P-2SWH	22WA-WSH-C1	2	80	2018-09-01	2016-01-01		
AL 131	B	P-2SWH	22WA-WSH-C1	2	80	2018-09-01	2016-01-01		
AL 131	XA1	P-2SWH	22WA-WSH-C1			1959-01-01		Truss Horz	Steel
AL 132	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 132	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 132	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 133	A	P-2SWH	T22WA-TSH	1	55	2017-08-01	2015-01-01		
AL 133	B	P-2SWH	T22WA-TSH	1	60	2017-08-01	2016-01-01		
AL 133	XA1	P-2SWH	T22WA-TSH			2017-08-01		Truss Horz	Steel
AL 133	XB1	P-2SWH	T22WA-TSH						Steel
AL 134	A	P-2SWH	22WA-WSH	1	60	2017-08-01	2016-01-01		
AL 134	B	P-2SWH	22WA-WSH	1	65	2017-08-01	2016-01-01		
AL 134	XA1	P-2SWH	22WA-WSH			2018-09-01		Wide Flange Horz	Steel
AL 134	XB1	P-2SWH	22WA-WSH			2017-08-01			
AL 135	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	B	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	C	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 135	XA1	P-2SWH	T23WE-AWH-H1			1959-01-01		Sawn Horz	Wood
AL 136	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 136	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 136	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 136	XB1	P-2SWH	T22WA-TSH						
AL 137	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 137	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 137	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 137	XB1	P-2SWH	T22WA-TSH						
AL 138	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 138	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 138	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 138	XB1	P-2SWH	T22WA-TSH						
AL 139	A	P-2SWH	T22WA-TSH	2	55	2004-05-04	2002-01-01		
AL 139	B	P-2SWH	T22WA-TSH	2	55	2004-05-04	2002-01-01		
AL 139	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 139	XB1	P-2SWH	T22WA-TSH						
AL 140	A	P-2SWH	T22WA-TSH	2	60	2004-05-04	2001-01-01		
AL 140	B	P-2SWH	T22WA-TSH	2	60	2004-05-04	2000-01-01		
AL 140	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 140	XB1	P-2SWH	T22WA-TSH						



Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 141	A	P-2SWH	23WC-WSH	1	55	2019-09-01	2017-01-01		
AL 141	B	P-2SWH	23WC-WSH	1	55	2019-09-01	2015-01-01		
AL 141	C	P-2SWH	23WC-WSH	1	60	2019-09-01	2016-01-01		
AL 141	XA1	P-2SWH	23WC-WSH			2018-09-01		Truss Horz	Steel
AL 142	A	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 142	B	P-2SWH	22WA-WSH	1	55	2017-08-01	2015-01-01		
AL 142	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 142	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 143	A	P-2SWH	22WA-WSH	1	60	2017-08-01	2015-01-01		
AL 143	B	P-2SWH	22WA-WSH	1	60	2017-08-01	2015-01-01		
AL 143	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 143	XB1	P-2SWH	22WA-WSH			2017-08-02			Steel
AL 144	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 144	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 144	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 144	XB1	P-2SWH	T22WA-TSH						
AL 145	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 145	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 145	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 145	XB1	P-2SWH	T22WA-TSH						
AL 146	A	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	B	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	C	P-2SWH	T23WB-SWH	2	55	1959-01-01	1959-01-01		
AL 146	XA1	P-2SWH	T23WB-SWH			1980-01-01		Spar Horz	Wood
AL 147	A	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 147	B	P-2SWH	23WE-WSH	2	50	2018-09-01	2016-01-01		
AL 147	C	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 147	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 148	A	P-2SWH	23WE-WSH	2	60	2018-09-01	2016-01-01		
AL 148	B	P-2SWH	23WE-WSH	2	65	2018-09-01	2016-01-01		
AL 148	C	P-2SWH	23WE-WSH	2	70	2018-09-01	2016-01-01		
AL 148	XA1	P-2SWH	23WE-WSH			2018-09-02		Sawn Horz	Wood
AL 148	XB1	P-2SWH	23WE-WSH			2018-09-03			
AL 149	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 149	B	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 149	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 149	XB1	P-2SWH	T22WA-TSH						
AL 150	A	P-2SWH	T22WA-TSH-C1	2	60	1993-09-09	1992-01-01		
AL 150	B	P-2SWH	T22WA-TSH-C1	2	60	1959-01-01	1959-01-01		
AL 150	XA1	P-2SWH	T22WA-TSH-C1			1959-01-01		Double Truss Horz	Steel

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 151	A	P-2SWH	T23WC-SWH-H2	2	70	1959-01-01	1959-01-01		
AL 151	B	P-2SWH	T23WC-SWH-H2	2	70	2010-05-14	2009-01-01		
AL 151	C	P-2SWH	T23WC-SWH-H2	2	70	1993-09-09	1992-01-01		
AL 151	XA1	P-2SWH	T23WC-SWH-H2			1985-01-01		Spar Horz	Wood
AL 152	A	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	B	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	C	P-2SWH	23WE-WSH	2	55	2018-09-01	2016-01-01		
AL 152	XA1	P-2SWH	23WE-WSH			1985-01-01		Sawn Horz	Wood
AL 153	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 153	B	P-2SWH	T23WE-AWH-H1	2	55	1982-01-01	1982-01-01		
AL 153	C	P-2SWH	T23WE-AWH-H1	2	60	1959-01-01	1959-01-01		
AL 153	XA1	P-2SWH	T23WE-AWH-H1			1982-01-01		Sawn Horz	Wood
AL 154	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 154	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 154	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 155	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 155	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 155	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 156	A	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 156	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 156	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 156	XB1	P-2SWH	T22WA-TSH						
AL 157	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 157	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 157	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 157	XB1	P-2SWH	T22WA-TSH						
AL 158	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 158	B	P-2SWH	T22WA-TSH	2	55	1959-01-01	1959-01-01		
AL 158	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 158	XB1	P-2SWH	T22WA-TSH						
AL 159	A	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	B	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	C	P-2SWH	T23WE-AWH-H1	2	50	1959-01-01	1959-01-01		
AL 159	XA1	P-2SWH	T23WE-AWH-H1			1959-01-01		Sawn Horz	Wood
AL 159	XB1	P-2SWH	T23WE-AWH-H1						
AL 160	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 160	B	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 160	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 160	XB1	P-2SWH	T22WA-TSH						

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 161	A	P-2SWH	T22WA-TSH	2	55	1982-01-01	1982-01-01		
AL 161	B	P-2SWH	T22WA-TSH	2	60	1993-09-09	1992-01-01		
AL 161	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 161	XB1	P-2SWH	T22WA-TSH						
AL 162	A	P-2SWH	T22WA-TSH	2	55	2010-05-20	2008-01-01		
AL 162	B	P-2SWH	T22WA-TSH	2	60	2010-05-20	2009-01-01		
AL 162	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 162	XB1	P-2SWH	T22WA-TSH						
AL 163	A	P-2SWH	T22WA-TSH	2	50	1959-01-01	1959-01-01		
AL 163	B	P-2SWH	T22WA-TSH	2	55	2002-05-22	2001-01-01		
AL 163	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 163	XB1	P-2SWH	T22WA-TSH						
AL 164	A	P-2SWH	T22WA-TSH	2	55	2002-04-26	2000-01-01		
AL 164	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 164	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 164	XB1	P-2SWH	T22WA-TSH						
AL 165	A	P-2SWH	23WC-WSH	2	50	2002-04-24	2000-01-01		
AL 165	B	P-2SWH	23WC-WSH	2	50	2012-06-20	2010-01-01		
AL 165	C	P-2SWH	23WC-WSH	2	50	2012-06-20	2010-01-01		
AL 165	XA1	P-2SWH	23WC-WSH			1959-01-01		Wide Flange Horz	Steel
AL 166	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 166	B	P-2SWH	T22WA-TSH	2	75	1990-08-07	1988-01-01		
AL 166	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 167	A	P-2SWH	T22WA-TSH	2	75	1992-04-15	1988-01-01		
AL 167	B	P-2SWH	T22WA-TSH	2	75	1975-01-01	1975-01-01		
AL 167	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 168	A	P-2SWH	T23WC-SWH	2	65	2002-04-24	2001-01-01		
AL 168	B	P-2SWH	T23WC-SWH	2	65	1971-01-01	1971-01-01		
AL 168	C	P-2SWH	T23WC-SWH	2	65	1971-01-01	1971-01-01		
AL 168	XA1	P-2SWH	T23WC-SWH			1980-01-01		Spar Horz	Wood
AL 169	A	P-2SWH	T22WA-TSH	2	65	1972-01-01	1972-01-01		
AL 169	B	P-2SWH	T22WA-TSH	2	70	1970-01-01	1970-01-01		
AL 169	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 169	XB1	P-2SWH	T22WA-TSH						
AL 170	A	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	B	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	C	P-2SWH	T23WC-SWH	2	70	2002-05-21	2001-01-01		
AL 170	XA1	P-2SWH	T23WC-SWH			1980-01-01		Spar Horz	Wood
AL 171	A	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		
AL 171	B	P-2SWH	T22WA-TSH	2	75	1959-01-01	1959-01-01		

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 171	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 172	A	P-2SWH	T22WA-TSH	2	80	1985-01-01	1985-01-01		
AL 172	B	P-2SWH	T22WA-TSH	2	80	1959-01-01	1959-01-01		
AL 172	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 173	A	P-2SWH	22WA-WSH	2	75	2012-06-19	2012-01-01		
AL 173	B	P-2SWH	22WA-WSH	2	75	2012-06-19	2012-01-01		
AL 173	XA1	P-2SWH	22WA-WSH			2012-06-19		Wide Flange Horz	Steel
AL 173	XB1	P-2SWH	22WA-WSH						
AL 174	A	P-2SWH	T22WA-TSH	2	65	1972-01-01	1972-01-01		
AL 174	B	P-2SWH	T22WA-TSH	2	65	2004-05-03	2002-01-01		
AL 174	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 174	XB1	P-2SWH	T22WA-TSH						
AL 175	A	P-2SWH	T22WA-TSH	2	65	1959-01-01	1959-01-01		
AL 175	B	P-2SWH	T22WA-TSH	2	65	1971-01-01	1971-01-01		
AL 175	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 176	A	P-2SWH	T22WA-TSH	2	60	2010-05-12	2009-01-01		
AL 176	B	P-2SWH	T22WA-TSH	2	60	2010-05-12	2008-01-01		
AL 176	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 176	XB1	P-2SWH	T22WA-TSH						
AL 177	A	P-2SWH	T22WA-TSH	2	60	2010-05-11	2009-01-01		
AL 177	B	P-2SWH	T22WA-TSH	2	60	2010-05-11	2009-01-01		
AL 177	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 177	XB1	P-2SWH	T22WA-TSH						
AL 178	A	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 178	B	P-2SWH	T22WA-TSH	2	60	1959-01-01	1959-01-01		
AL 178	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 178	XB1	P-2SWH	T22WA-TSH						
AL 179	A	P-2SWH	22WA-WSH		70	2018-09-01	2016-01-01		
AL 179	B	P-2SWH	22WA-WSH		70	2017-08-01	2016-01-01		
AL 179	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 179	XB1	P-2SWH	22WA-WSH			2017-08-01			Steel
AL 180	A	P-2SWH	22WA-WSH	1	70	2017-08-01	2015-01-01		
AL 180	B	P-2SWH	22WA-WSH	1	70	2017-08-01	2016-01-01		
AL 180	XA1	P-2SWH	22WA-WSH			2017-08-01		Wide Flange Horz	Steel
AL 180	XB1	P-2SWH	22WA-WSH			2017-08-01			Steel
AL 181	A	P-2SWH	T23WE-AWH-H1	2	60	1990-08-08	1989-01-01		
AL 181	B	P-2SWH	T23WE-AWH-H1	2	60	1990-07-12	1988-01-01		
AL 181	C	P-2SWH	T23WE-AWH-H1	2	70	1975-01-01	1975-01-01		
AL 181	XA1	P-2SWH	T23WE-AWH-H1			1975-01-01		Sawn Horz	Wood

Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Install Date	Manuf Date	Crossarm Type	Non Pole Mat'l
AL 182	A	P-2SWH	22WA-WSH	2	50	2012-06-18	2012-01-01		
AL 182	B	P-2SWH	22WA-WSH	2	55	2012-06-18	2008-01-01		
AL 182	XA1	P-2SWH	22WA-WSH			2012-06-18		Wide Flange Horz	Steel
AL 183	A	P-2SWH	22WA-WSH	2	55	2018-09-01	2016-01-01		
AL 183	B	P-2SWH	22WA-WSH	2	60	2018-09-01	2016-01-01		
AL 183	XA1	P-2SWH	22WA-WSH			2018-09-02		Wide Flange Horz	Steel
AL 184	A	P-2SWH	T23WC-SWH-U2	2	60	2010-05-12	2009-01-01		
AL 184	B	P-2SWH	T23WC-SWH-U2	2	60	2010-05-12	2008-01-01		
AL 184	C	P-2SWH	T23WC-SWH-U2	2	60	1997-06-26	1992-01-01		
AL 184	XA1	P-2SWH	T23WC-SWH-U2			1985-01-01		Spar Horz	Wood
AL 185	A	P-2SWH	T22WA-TSH	2	55	2010-05-13	2007-01-01		
AL 185	B	P-2SWH	T22WA-TSH	2	55	1994-05-19	1993-01-01		
AL 185	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 185	XB1	P-2SWH	T22WA-TSH						
AL 186	A	P-2SWH	23WF-WSH	2	40	2018-09-01	2016-01-01		
AL 186	B	P-2SWH	23WF-WSH	2	45	2019-09-01	2009-01-01		
AL 186	C	P-2SWH	23WF-WSH	2	50	2019-09-01	2008-01-01		
AL 186	XA1	P-2SWH	23WF-WSH			2019-09-02		Sawn Horz	Wood
AL 187	A	P-2SWH	T22WA-TSH	2	60	1996-07-01	1995-01-01		
AL 187	B	P-2SWH	T22WA-TSH	2	60	1960-07-01	1959-01-01		
AL 187	XA1	P-2SWH	T22WA-TSH			1992-06-10		Truss Horz	Steel
AL 187	XB1	P-2SWH	T22WA-TSH						
AL 188	A	P-2SWH	T22WA-TSH	2	70	1959-01-01	1959-01-01		
AL 188	B	P-2SWH	T22WA-TSH	2	70	1981-01-01	1981-01-01		
AL 188	XA1	P-2SWH	T22WA-TSH			1959-01-01		Truss Horz	Steel
AL 189	A	P-2SWH	T23WE-AWH-H1	2	75	2010-05-13	2007-01-01		
AL 189	B	P-2SWH	T23WE-AWH-H1	2	75	1972-01-01	1972-01-01		
AL 189	C	P-2SWH	T23WE-AWH-H1	2	75	1959-01-01	1959-01-01		
AL 189	XA1	P-2SWH	T23WE-AWH-H1			1984-01-01		Sawn Horz	Wood
BEK 190	A	OLP2	OLP2-N		103	2018-01-01	2018-01-01		

Towers			Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1							
Mile	Struc	Structure Serial Number	Leg 1 Soil	Leg 1 Footing	Leg 2 Soil	Leg 2 Footing	Leg 3 Soil	Leg 3 Footing	Leg 4 Soil	Leg 4 Footing
1	1	AL 2	Loose Rock	Grill	Loose Rock	Grill	Loose Rock	Grill	Loose Rock	Grill
1	2	AL 3	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate
1	3	AL 4	Earth	Grill	Earth	Grill	Earth	Grill	Earth	Grill
1	4	AL 5	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate
1	5	AL 6	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate
1	6	AL 7	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate
2	2	AL 9	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
3	1	AL 13	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
3	3	AL 15	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
3	4	AL 16	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
4	1	AL 18	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
4	2	AL 19	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
4	3	AL 20	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
4	5	AL 22	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
4	6	AL 23	Earth	Plate	Earth	Plate	Earth	Plate	Earth	Plate
5	1	AL 24	Earth &	Plate	Earth &	Plate	Earth &	Plate	Earth &	Plate
5	2	AL 25	Earth &	Plate	Earth &	Plate	Earth &	Plate	Earth &	Plate
5	3	AL 26	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
5	5	AL 28	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
6	1	AL 29	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
6	4	AL 32	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
6	5	AL 33	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate	Earth & Rock	Plate
7	1	AL 34	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
7	2	AL 35	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
7	4	AL 37	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
8	1	AL 39	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
8	2	AL 40	Earth & Rock	Grill	Earth & Rock	Grill	Earth & Rock	Grill	Earth & Rock	Grill
8	3	AL 41	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate
8	5	AL 43	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate
9	1	AL 44	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate	Loose Rock	Plate
9	3	AL 46	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
9	4	AL 47	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate
9	5	AL 48	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate	Earth & Gravel	Plate

<b>Switches</b>				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1				
<b>Mile</b>	<b>Struc</b>	<b>Structure Serial Number</b>	<b>Delta FAL</b>	<b>SER Number</b>	<b>Drawing Number</b>	<b>Sheet Number</b>	<b>Revision Number</b>	<b>Operating Number</b>
115	6	AL 30	Ah	B-1460	115	1200		
115	6	AL 30	Bk	B-1449	115			

<b>Guying</b>				Xref: CUGR-HOLD-1 Line Name: Cougar-Holden Creek No 1 Physical Line: C1		
Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
2	1	AL 8	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	1	AL 8	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	1	AL 8	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	1	AL 8	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
2	4	AL 11	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	4	AL 11	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	4	AL 11	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	4	AL 11	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
2	5	AL 12	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
2	5	AL 12	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
2	5	AL 12	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
2	5	AL 12	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
3	2	AL 14	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
3	2	AL 14	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
3	2	AL 14	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
3	2	AL 14	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
3	5	AL 17	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
3	5	AL 17	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
3	5	AL 17	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
3	5	AL 17	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
4	4	AL 21	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
4	4	AL 21	5	PA	Side	5/8" EHS, Std Cable Attach Hrdw
4	4	AL 21	5	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
5	4	AL 27	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
5	4	AL 27	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
5	4	AL 27	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw



Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
5	4	AL 27	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
6	2	AL 30	4	PA	Side	5/8" EHS, Std Cable Attach Hrdw
6	2	AL 30	8	PA	Line	5/8" EHS, Std Cable Attach Hrdw
6	2	AL 30	12	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
6	3	AL 31	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
6	3	AL 31	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
6	3	AL 31	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
6	3	AL 31	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
7	3	AL 36	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
7	3	AL 36	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
7	3	AL 36	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
7	3	AL 36	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
7	5	AL 38	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
7	5	AL 38	1	PA	Side	5/8" EHS, Std Cable Attach Hrdw
7	5	AL 38	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
7	5	AL 38	7	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
8	4	AL 42	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
8	4	AL 42	5	PA	Side	5/8" EHS, Std Cable Attach Hrdw
8	4	AL 42	5	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 12' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
9	2	AL 45	2	SPECGUY	Cross	5/8" HS, HX, For C1/ F Type Lattice Pole Steel Towers, Includes Pole Attachment
9	2	AL 45	2	PA	Side	5/8" EHS, Std Cable Attach Hrdw
9	2	AL 45	6	PA	Line	5/8" EHS, Std Cable Attach Hrdw
9	2	AL 45	8	GUYANCH		30" Square Pressed Plate, Single Guy Wire, 1-1/8" x 10' Turnbuckle Anchor Rod Assembly, For Lattice Steel Poles
10	1	AL 49	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
10	1	AL 49	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
10	1	AL 49	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
10	2	AL 50	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
10	2	AL 50	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
10	2	AL 50	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
10	2	AL 50	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
10	2	AL 50	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
10	2	AL 50	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
10	2	AL 50	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
10	2	AL 50	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
11	1	AL 55	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
11	1	AL 55	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
11	1	AL 55	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	1	AL 55	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	1	AL 55	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	1	AL 55	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	2	AL 56	3	PA	Side	1/2" SM, Alt Cable Attach Hrdw
11	2	AL 56	3	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	2	AL 56	3	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	5	AL 59	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
11	5	AL 59	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
11	5	AL 59	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	5	AL 59	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	5	AL 59	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	5	AL 59	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
11	6	AL 60	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
11	6	AL 60	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
11	6	AL 60	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
11	6	AL 60	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	6	AL 60	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	6	AL 60	1	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 7' Anchor Rod
11	6	AL 60	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
11	6	AL 60	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
11	6	AL 60	7	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
11	7	AL 61	2	HX	Cross	1-Unit, 8' Fiberglass, 503676, 1 Curved Guy Plate, 14' Spacing, Installed 2008-Present
11	7	AL 61	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
11	7	AL 61	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
11	7	AL 61	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
11	7	AL 61	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
11	7	AL 61	6	DPAD	Line	1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
11	7	AL 61	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
11	7	AL 61	8	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
12	1	AL 63	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
12	1	AL 63	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
12	1	AL 63	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	1	AL 63	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	1	AL 63	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	1	AL 63	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
12	3	AL 65	3	DP2AD		1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
12	3	AL 65	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
12	3	AL 65	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
12	4	AL 66	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
12	4	AL 66	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
12	4	AL 66	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	4	AL 66	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	4	AL 66	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	4	AL 66	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
12	4	AL 66	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
12	4	AL 66	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
12	6	AL 68	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
12	6	AL 68	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
12	6	AL 68	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
12	6	AL 68	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
12	6	AL 68	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
12	6	AL 68	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
12	7	AL 69	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
12	7	AL 69	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
12	7	AL 69	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	4	AL 73	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
13	4	AL 73	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
13	4	AL 73	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	6	AL 75	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
13	6	AL 75	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
13	6	AL 75	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
13	6	AL 75	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
13	6	AL 75	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
13	6	AL 75	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
13	7	AL 76	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
13	7	AL 76	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
13	7	AL 76	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
13	7	AL 76	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
13	7	AL 76	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
13	7	AL 76	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
14	5	AL 81	2	HX	Cross	1-Unit, 8' Fiberglass, 503676, 1 Curved Guy Plate, 14' Spacing, Installed 2008-Present
14	5	AL 81	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
14	5	AL 81	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
14	5	AL 81	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
14	5	AL 81	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
14	5	AL 81	3	DP2AD	Line	1/2" HS, Std Cable Attach Hrdw, No Insulators or Floating Insulators
14	5	AL 81	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
14	5	AL 81	8	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
14	6	AL 82	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
14	6	AL 82	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
14	6	AL 82	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
14	6	AL 82	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
14	6	AL 82	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
14	6	AL 82	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
14	6	AL 82	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
14	6	AL 82	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
15	2	AL 84	1	HX	Cross	1-Unit, 8' Fiberglass, 503676, 2 Curved Guy Plates, 12' Spacing, Installed 2008-Present
15	2	AL 84	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
15	2	AL 84	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	2	AL 84	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
15	2	AL 84	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	2	AL 84	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	3	AL 85	1	HX	Cross	1-Unit, 8' Fiberglass, 503676, 2 Curved Guy Plates, 12' Spacing, Installed 2008-Present
15	3	AL 85	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
15	3	AL 85	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	3	AL 85	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
15	3	AL 85	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	3	AL 85	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	5	AL 87	6	PA	Side	1/2" HS, Std Cable Attach Hrdw
15	5	AL 87	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	5	AL 87	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
15	8	AL 90	2	PA	Side	1/2" HS, Std Cable Attach Hrdw
15	8	AL 90	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
15	8	AL 90	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
15	8	AL 90	4	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
16	5	AL 96	2	PA	Side	1/2" HS, Std Cable Attach Hrdw
16	5	AL 96	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
16	5	AL 96	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
16	5	AL 96	6	GUYINSL-1		14 ft Fiberglass, 503681, At Pole, Installed 2008-Present
16	5	AL 96	4	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
16	9	AL 100	6	DPAD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
16	9	AL 100	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
16	9	AL 100	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
17	1	AL 102	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
17	1	AL 102	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
17	1	AL 102	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
17	1	AL 102	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	1	AL 102	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
17	3	AL 104	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
17	3	AL 104	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
17	3	AL 104	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
17	3	AL 104	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
17	3	AL 104	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	3	AL 104	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
17	5	AL 106	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
17	5	AL 106	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
17	5	AL 106	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	1	AL 111	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
18	1	AL 111	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
18	1	AL 111	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
18	1	AL 111	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	1	AL 111	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	1	AL 111	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	1	AL 111	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
18	1	AL 111	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
18	2	AL 112	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
18	2	AL 112	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
18	2	AL 112	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
18	2	AL 112	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	2	AL 112	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	2	AL 112	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	2	AL 112	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
18	2	AL 112	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
18	3	AL 113	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
18	3	AL 113	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	3	AL 113	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	4	AL 114	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
18	4	AL 114	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
18	4	AL 114	1	PA	Side	1/2" SM, Alt Cable Attach Hrdw
18	4	AL 114	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
18	4	AL 114	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
18	7	AL 117	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
18	7	AL 117	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
18	7	AL 117	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
18	8	AL 118	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
18	8	AL 118	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
18	8	AL 118	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
18	8	AL 118	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
18	8	AL 118	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
18	8	AL 118	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	1	AL 119	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
19	1	AL 119	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
19	1	AL 119	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
19	1	AL 119	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	1	AL 119	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	1	AL 119	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
19	1	AL 119	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
19	1	AL 119	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	4	AL 122	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
19	4	AL 122	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
19	4	AL 122	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
19	4	AL 122	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	4	AL 122	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	4	AL 122	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	5	AL 123	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
19	5	AL 123	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
19	5	AL 123	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
19	5	AL 123	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
19	5	AL 123	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
19	5	AL 123	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
19	7	AL 125	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
19	7	AL 125	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
19	7	AL 125	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	2	AL 127	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	2	AL 127	1	POLEATT		Guying: Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	2	AL 127	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	2	AL 127	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	2	AL 127	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	2	AL 127	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	3	AL 128	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
20	3	AL 128	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
20	3	AL 128	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
20	5	AL 130	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	5	AL 130	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	5	AL 130	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	5	AL 130	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	5	AL 130	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	5	AL 130	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
20	6	AL 131	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
20	6	AL 131	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
20	6	AL 131	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
20	6	AL 131	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
20	6	AL 131	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
20	6	AL 131	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
21	3	AL 135	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
21	3	AL 135	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
21	3	AL 135	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
21	9	AL 141	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
21	9	AL 141	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
21	9	AL 141	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
21	9	AL 141	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
21	9	AL 141	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	5	AL 146	1	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	5	AL 146	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	5	AL 146	1	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	6	AL 147	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
22	6	AL 147	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
22	6	AL 147	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	6	AL 147	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
22	6	AL 147	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	6	AL 147	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
22	6	AL 147	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
22	6	AL 147	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
22	7	AL 148	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
22	7	AL 148	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
22	7	AL 148	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
22	7	AL 148	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy



Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
22	7	AL 148	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
22	7	AL 148	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
22	7	AL 148	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
22	7	AL 148	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
23	3	AL 151	6	PA	Side	1/2" SM, Alt Cable Attach Hrdw
23	3	AL 151	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	3	AL 151	6	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
23	4	AL 152	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
23	4	AL 152	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
23	4	AL 152	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
23	4	AL 152	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
23	4	AL 152	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	4	AL 152	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
23	4	AL 152	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
23	4	AL 152	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
23	5	AL 153	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
23	5	AL 153	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
23	5	AL 153	2	DPA	Side	1/2" HS, Alt Cable Attach Hrdw
23	5	AL 153	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
23	5	AL 153	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
23	5	AL 153	3	DP2AD	Line	1/2" HS, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
23	5	AL 153	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
23	5	AL 153	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 1" x 10' Anchor Rod
24	3	AL 159	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
24	3	AL 159	2	POLEATT		Guying: Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
24	3	AL 159	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
24	3	AL 159	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
24	3	AL 159	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
24	3	AL 159	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
24	3	AL 159	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
24	3	AL 159	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	1	AL 165	6	PA	Side	1/2" HS, Std Cable Attach Hrdw
25	1	AL 165	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	1	AL 165	6	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
25	2	AL 166	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	2	AL 166	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	2	AL 166	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	2	AL 166	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	2	AL 166	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	2	AL 166	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	3	AL 167	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	3	AL 167	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	3	AL 167	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	3	AL 167	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	3	AL 167	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	3	AL 167	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	4	AL 168	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	4	AL 168	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	4	AL 168	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	4	AL 168	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	4	AL 168	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	6	AL 170	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	6	AL 170	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	6	AL 170	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
25	6	AL 170	6	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
25	6	AL 170	2	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
25	7	AL 171	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	7	AL 171	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	7	AL 171	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	7	AL 171	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	7	AL 171	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
25	8	AL 172	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
25	8	AL 172	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
25	8	AL 172	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
25	8	AL 172	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
25	8	AL 172	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	1	AL 173	1	HX	Cross	1-Unit, 14' Fiberglass, 503681, 20' Spacing, Installed 2008-Present
26	1	AL 173	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	1	AL 173	2	DPA	Side	1/2" HS, Std Cable Attach Hrdw
26	1	AL 173	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy

Mile	Struc	Structure Serial Number	Quan	Assembly Type	Guy Type	Assembly Description
26	1	AL 173	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
26	1	AL 173	2	GUYANCH		28" Square Pressed Plate, Triple Eye, 1" x 10' Anchor Rod
26	3	AL 175	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	3	AL 175	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	3	AL 175	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	3	AL 175	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	3	AL 175	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	7	AL 179	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	7	AL 179	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	7	AL 179	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	7	AL 179	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	7	AL 179	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
26	8	AL 180	1	HX	Cross	1-Unit, Wood, 2 Curved Guy Plate, 12' Spacing
26	8	AL 180	1	POLEATT		Guying:Wood HX with Insulators For Two Curved Guy Plates - 3/4" Hardware
26	8	AL 180	2	PA	Side	1/2" SM, Alt Cable Attach Hrdw
26	8	AL 180	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
26	8	AL 180	2	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
27	1	AL 181	2	HX	Cross	1-Unit, Wood, 1 Curved Guy Plate, 14' Spacing
27	1	AL 181	2	POLEATT		Guying:Wood HX with Insulators For One Curved Guy Plate- 3/4" Hardware
27	1	AL 181	2	DPA	Side	1/2" SM, Alt Cable Attach Hrdw
27	1	AL 181	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, One Bolt with Curved Washer & Palnut For HX Side Guy
27	1	AL 181	2	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
27	1	AL 181	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	1	AL 181	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
27	1	AL 181	8	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
27	4	AL 184	3	PA	Side	1/2" SM, Alt Cable Attach Hrdw
27	4	AL 184	3	POLEATT		Guying: Wood Pole - 3/4" Hardware, 1 - One Hole Plate with Curved Washer
27	4	AL 184	3	GUYANCH		4' Channel Anchor, Twin Eye, 3/4" X 7' Anchor Rod
27	6	AL 186	6	DPAD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	6	AL 186	6	POLEATT		Guying: Wood Pole - 1 - Dead End Attachment Plate with One Eyebolt & One Crossarm Bolt with a Curved Guy Plate; Dead End Cable Attachment to Eyebolt
27	6	AL 186	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod
27	9	AL 189	3	DP2AD	Line	1/2" SM, Alt Cable Attach Hrdw, No Insulators or Floating Insulators
27	9	AL 189	6	POLEATT		Guying: Wood or Steel Pole - 1 - Dead End Attachment Plate with One Crossarm bolt; Dead End Cable Attachment to Plate
27	9	AL 189	6	GUYANCH		28" Square Pressed Plate, Twin Eye, 3/4" x 10' Anchor Rod





# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9.30.20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK		ABM		
ADNO		WORK DONE																		
A		Spotted poles @ 17/6 17/5 moved trucks & trailers Loaded Poles																		
B																				
C																				
D																				
E																				
F																				
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	JiC J.H																			
TG																				
VM																				

JUSTIFICATION FOR OVERTIME / UPGRADE:

**DETAILED REPORT OF WORK DONE:**

A		A
B		B
C		C
D		D
E		E
F		F

ADDITIONAL COMMENTS:

Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Yinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			



Line name COLLIER-HOLDEN CREEK Adno: 7335 Date: 9-29-2020

Str.	style	A	B	C	Notes
23/2	A-2	60'			CL1 9/2019
			60'		CL1 7/2019

Other work done, extra materials, or Comments

<p><del>HA</del> TORE DOWN / REBUILT 23/2</p> <p>HAULED / SPOTTED 3 POLES FOR 23/4</p> <p>HAULED / SPOTTED 3 POLES FOR 22/7</p> <p>MOVED / SET UP EQUIPMENT @ 22/7</p> <p>STARTED ON 22/7</p>					
<p>4-10's = Start Time _____ -- 5hrs. -- _____ (meal) -- 6hrs. -- _____ (meal) -- End Time _____</p> <p>5-8's = Start Time _____ -- 4hrs. -- _____ (meal) -- 6 hrs. -- _____ (meal) -- End Time _____</p>					

Place check mark next to trucks that were used & list hours for each crew member.

Nick W.					
Bruce B.		0630			
		1900			
Vince M.		0630		Boom Truck	
		1900			
Alan E.		0630		Bucket Truck	
		1900			
Matt F.				Pole Truck and Trailer	
Tom G.				Backhoe and Trailer	
Aaron N.		0630		Dump Truck	
		1900			
James M.				Flatbed	
STEVE MCD		0630			
		1900			





# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9.29.20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK	ABM			
ADNO		WORK DONE																		
A		Spotted Poles 18/1, 17/9 Built Landing @ 11/7																	A	
B																			B	
C																			C	
D																			D	
E																			E	
F																			F	
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	JIC J.H.																			
TG																				
VM																				

JUSTIFICATION FOR OVERTIME / UPGRADE:

DETAILED REPORT OF WORK DONE:

A		A
B		B
C		C
D		D
E		E
F		F

ADDITIONAL COMMENTS:

Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Vinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			



# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9.28.20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK	ABM			
ADNO		WORK DONE																		
A		Unloaded Poles in Pole yard Spotted Poles @ 21/3, 21/6 18/16, 18/2, 16/10																	A	
B																			B	
C																			C	
D																			D	
E																			E	
F																			F	
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	FM2				6:30		7:30													
TG	Pat J.H. Ken																			
VM																				

JUSTIFICATION FOR OVERTIME / UPGRADE:

**DETAILED REPORT OF WORK DONE:**

A		A
B		B
C		C
D		D
E		E
F		F

ADDITIONAL COMMENTS:

Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Vinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			



Line name COUGAR-HOLDEN CREEK Adno: 7335 Date: 9-28-20

Str.	style	A	B	C	Notes
22/5	B-2	55'			CL 2 2014
			55'		CL2 2014
				55'	CL2 2016

Other work done, extra materials, or Comments

TOBE DOWN / REBUILT 22/5

---

21/8 REMOVED NCI'S AND INSTALLED NEW BROWN PORCELAIN ALL 3 POSITIONS

4-10's = Start Time \_\_\_\_\_ -- 5hrs. -- \_\_\_\_\_ (meal) -- 6hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_  
 5-8's = Start Time \_\_\_\_\_ -- 4hrs. -- \_\_\_\_\_ (meal) -- 6 hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_

Place check mark next to trucks that were used & list hours for each crew member.

Nick W.					
Bruce B.		0630			
Vince M.		0630	> 1730	Boom Truck	
Alan E.		0630		Bucket Truck	
Matt F.				Pole Truck and Trailer	
Tom G.				Backhoe and Trailer	
Aaron N.		0630		Dump Truck	
James M.				Flatbed	
STEVE McD		0630			



# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9-27-20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK		ABM		
ADNO		WORK DONE																		
A		Built Landing 25/6, 23/6, 24/2																		A
B																				B
C																				C
D																				D
E																				E
F																				F
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	FMI																			
TG	J.H.																			
VM	Dave Leeander																			

JUSTIFICATION FOR OVERTIME / UPGRADE:

DETAILED REPORT OF WORK DONE:

A	21/8 plastic culvert Burned. Hole in Road No Access. Need culvert installed	A
B	23/6 need 8" culvert & 1 load Rock	B
C		C
D		D
E		E
F		F

ADDITIONAL COMMENTS:

Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Vinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			









# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9/26/20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK		ABM												
ADNO		WORK DONE																												
A		Built Landing at 18/1, 17/9, 17/6 16/10, 16/9																												
B																														
C																														
D																														
E																														
F																														
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE											
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH										
NW																														
BB																														
RB																														
AE																														
DE																														
MF	FML																													
TG	J. H. PAUL																													
VM	Leander																													

JUSTIFICATION FOR OVERTIME / UPGRADE:

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DETAILED REPORT OF WORK DONE:	
A	
B	
C	
D	
E	
F	

ADDITIONAL COMMENTS:

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Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Virny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			







# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9.25.20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK	ABM			
ADNO		WORK DONE																		
A		Spot Poles at 18/7 18/8 19/6															A			
B		<del>Hauled</del> Hauled 5 55' poles to 600 Pasture Rd															B			
C		18/4 Cat work B Rock. Done															C			
D																	D			
E		18/6 Cat work B Rock. Not Done															E			
F		18/8 Cat work. Done															F			
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	FM1			6:30		6:00														
TG	J.H.			6:30		5:00														
VM	Kyle					6:30														

JUSTIFICATION FOR OVERTIME / UPGRADE:

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DETAILED REPORT OF WORK DONE:

A		A
B		B
C		C
D		D
E		E
F		F

ADDITIONAL COMMENTS:

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Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat.	Poles
FM III	FM I	Vinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			





Line name COUGAR-HOLDEN CREEK Adno: 7335 Date: 9.24.2020

Str.	style	A	B	C	Notes
25/3	A-1	75'			CLASS 1 2/2018
			75'		CLASS 1 5/2017
					NEW STYLE STEEL X-BRACE

Other work done, extra materials, or Comments

TOPE DOWN / REBUILD 25/3

---

27/5 REPLACED NCIS IN ALL 3 POSITIONS W/NEW GLASS/HARDWARE

4-10's = Start Time \_\_\_\_\_ -- 5hrs. -- \_\_\_\_\_ (meal) -- 6hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_

5-8's = Start Time \_\_\_\_\_ -- 4hrs. -- \_\_\_\_\_ (meal) -- 6 hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_

Place check mark next to trucks that were used & list hours for each crew member.

<del>Nick W.</del>	(b)(6)	Terrad - 0630 - 630		
Bruce B.		0630 - 530 PM		
Vince M.			Boom Truck	
Alan E.		0630 - 530 PM	Bucket Truck	
Matt F.		<del>0630</del> - 630	Pole Truck and Trailer	
Tom G.			Backhoe and Trailer	
Aaron N.		0630 - 530 PM	Dump Truck	
James M.			Flatbed	
STEVE		0630 - 600 PM		



# FY 14 ALVEY TLM DAILY WORK REPORT

DATE: 9.24.20

South Region		EUGENE DISTRICT: TFEF - ALVEY												WORK ORDER		TASK	ABM			
A	ADNO	WORK DONE																		
		- Spread rock @ 29/5 - Pole spot @ 25/3, 25/7, 26/3 And other locations - Lead poles																		
B																				
C																				
D																				
E																				
F																				
NAME	ACTING RATE	HIGH TIME	A		B		C		D		E		F		LEAVE TOTALS		OVERTIME OR LEAVE HOURS		DAILY TOTAL BY EMPLOYEE	
			ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	ST	OH	SL	AL	FROM	TO	ST	OH
NW																				
BB																				
RB																				
AE																				
DE																				
MF	FMI																			
TG	JH																			
VM	Kyle																			
JUSTIFICATION FOR OVERTIME / UPGRADE:																				

DETAILED REPORT OF WORK DONE:																				
A																				A
B																				B
C																				C
D																				D
E																				E
F																				F

ADDITIONAL COMMENTS:

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Boom	Dump	Hoe	Bucket	Pole	Komatsu	SnoCat	Winch	Time	Mat	Poles
FM III	FM I	Vinny	Tom G.	Alan	Dave	Flatbed		TLM	Helo	List
							Signature			

















Line name COUGAR-HOLDEN CEX Adno: 7335 Date: 9.20.2020

Str.	style	A	B	C	Notes
21/2	A-1	60'			CL 1 2016 NEW STYLE STEEL X-BRACE
			60		CL 1 9/2019

Other work done, extra materials, or Comments

TORE DOWN/REBUILT STRUCTURE

SET UP ON 21/1 + TORE DOWN

RE USED EXISTING NEW ARM, GLASS, X-BRACE

★ WILL NEED SEEDING - LARGE AREA

CLEAN UP IS DONE

4-10's = Start Time \_\_\_\_ -- 5hrs. -- \_\_\_\_ - \_\_\_\_ (meal) -- 6hrs. -- \_\_\_\_ - \_\_\_\_ (meal) -- End Time \_\_\_\_

5-8's = Start Time \_\_\_\_ -- 4hrs. -- \_\_\_\_ - \_\_\_\_ (meal) -- 6 hrs. -- \_\_\_\_ - \_\_\_\_ (meal) -- End Time \_\_\_\_

Place check mark next to trucks that were used & list hours for each crew member.

Nick W.	0630-2000		
Bruce B.	0630-2000	VENNY'S TRUCK	✓
Vince M.	0630-1930	Boom Truck	✓
Alan E.	0630-1930	Bucket Truck	✓
Matt F.	0630-1930	Pole Truck and Trailer	✓
Tom G.		Backhoe and Trailer	
Aaron N.	0630-1930	Dump Truck	
James M.		Flatbed	✓
STEVE	0630-1930	MATT'S TRUCK	✓
		TOM'S TRUCK	✓

JARED

0630-1930





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# Work Report

Date: 10/28/20

Inspector: AN/MF Jic: AN

Adno: 7335 Miles Patrolled From: 10/1 To: 13/1

From: \_\_\_\_\_ To: \_\_\_\_\_

Line name COUGAR-HOLD Vehicle ID: \_\_\_\_\_

Climbing inspections: (structure # and pole ABC) Total Climbs: \_\_\_\_\_

Structure # S or W Hightime (who and how much?)

Structure #	S or W	Hightime (who and how much?)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Ground line inspections: Total ground line inspections: 3

Structure # and Pole (ABC)

_____
_____

Total Hours

2.5

Travel

Task - ABM

TUCB

7.5

Patrol Time

TWCC

Climbing & GroundLine inspections

Mile or ID Sign Replacements

ROW Maintenance

TWAC

Cut Danger trees or Brush

Access Road clearing

Gate Repair or install

Misc.

Misc.



Total Hrs 10.00

**Structure**

**Time spent**

**How many?**

**Mile sign replaces** \_\_\_\_\_

**ID sign replaced** \_\_\_\_\_

**Cut danger tree(s)** \_\_\_\_\_ **0**

**Cut brush on ROW** \_\_\_\_\_ **0**

**Access Rd clearing** \_\_\_\_\_

**Anchor Tightening** \_\_\_\_\_

**Comments:**

PUT UP MISC SIGNS. MANY EDGE TREES ARE DEAD AND AS LOGGING CONTUNES  
LOOKS LIKE WE WILL HAVE SOME FRINGES OF DEAD STUFF.

AND THINGS

NO SN SIGNS FOR 11/2, 11/3 AND 12/3

MANY NEED bpa SIGN.

12/1 IS A WALK TO

11/1 CALLS FOR A SONIC IS A NEW STR

# Work Report

Date: 10/22/20

Inspector: Eubanks, McDougal Jic: Eubanks

Adno: 7335 Miles Patrolled From: 0/1 To: 6/1

From: \_\_\_\_\_ To: \_\_\_\_\_

Line name CUGR-HOLD #1 Vehicle ID: \_\_\_\_\_

Climbing inspections: (structure # and pole ABC) Total Climbs: 6

Structure #	S or W	Hightime (who and how much?)
<u>0/1</u>	<u>S</u>	
<u>1/2</u>	<u>S</u>	
<u>1/3</u>	<u>S</u>	
<u>1/4</u>	<u>S</u>	
<u>3/3</u>	<u>S</u>	
<u>5/3</u>	<u>S</u>	

Ground line inspections: Total ground line inspections: \_\_\_\_\_  
Structure # and Pole (ABC)

\_\_\_\_\_  
\_\_\_\_\_

Total Hours	Task - ABM
<u>1.5</u>	<u>Travel</u> <u>TUCB</u>
<u>8.5</u>	<u>Patrol Time</u> <u>TWCC</u>
	<u>Climbing &amp; GroundLine inspections</u> <u>Mile or ID Sign Replacements</u>
	<u>ROW Maintenance</u> <u>Cut Danger trees or Brush</u> <u>Access Road clearing</u> <u>Gate Repair or install</u> <u>TWAC</u>
	<u>Misc.</u>
	<u>Misc.</u>
<u>Total Hrs 10.00</u>	



Line name COUGAR - HOLDEN CREEK Adno: 7385 Date: WEDNESDAY 10.14.2020

Str.	style	A	B	C	Notes
9/1					INSTALLED DAMPERS 1 per Ø BOL 2 per Ø ANGL INSTALLED NEW INSULATORS ON ALL 3 POSITIONS INCLUDING NEW INSULATORS BPA # 50.54318 WIFETS BPA # 60.5217 3 OVAL EYENUT BPA # 60.6723 3 HARDWARE SHACKLES

Other work done, extra materials, or Comments

13/6	REMOVED OLD BENCHES AND INSTALLED NEW PORCELAIN AND HARDWARE ALL 3 POSITIONS				18
					3
*	TIGHTENED SIDE GUYS				3
14/5	CUT UP AND LOADED OLD POLES				
4-10's = Start Time -- 5hrs. -- (meal) -- 6hrs. -- (meal) -- End Time					
5-8's = Start Time -- 4hrs. -- (meal) -- 6 hrs. -- (meal) -- End Time					

Place check mark next to trucks that were used & list hours for each crew member.

Nick W.					
Bruce B.		0630-1730			
Vince M.		0630-1700	Boom Truck		
Alan E.			Bucket Truck		
Matt F.			Pole Truck and Trailer		
Tom G.			Backhoe and Trailer		
Aaron N.		0630-1730	Dump Truck		
James M.			Flatbed		
STEVE		0630-1730			

The following information was obtained from the records of the Department of Health and Human Services, Office of Inspector General, regarding the activities of the [redacted] during the period from [redacted] to [redacted].

The following information was obtained from the records of the Department of Health and Human Services, Office of Inspector General, regarding the activities of the [redacted] during the period from [redacted] to [redacted].

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The following information was obtained from the records of the  
 Department of Health and Human Services, Office of the  
 Inspector General, regarding the activities of the  
 [redacted] during the period from [redacted] to [redacted].

[redacted]  
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Line name CANACAR - HOLDEN CREEK Adno: 7335 Date: 10-01-2020

Str.	style	A	B	C	Notes
23/5	F				

Other work done, extra materials, or Comments

FINISHED 22/7 AND MOVED EQUIPMENT TO 23/5  
 TORE DOWN 23/5 AND SET "C" POLE

4-10's = Start Time \_\_\_\_\_ -- 5hrs. -- \_\_\_\_\_ (meal) -- 6hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_  
 5-8's = Start Time \_\_\_\_\_ -- 4hrs. -- \_\_\_\_\_ (meal) -- 6 hrs. -- \_\_\_\_\_ (meal) -- End Time \_\_\_\_\_

Place check mark next to trucks that were used & list hours for each crew member.

Nick W.					
Bruce B.		0630 1930			
Vince M.		0630 1930		Boom Truck	
Alan E.		0630 1930		Bucket Truck	
Matt F.				Pole Truck and Trailer	
Tom G.				Backhoe and Trailer	
Aaron N.		0630 1930		Dump Truck	
James M.				Flatbed	
STEVE McD		0630 1930			





Crew Name: Redmond

STR.		A	B	C	NOTES
18/7	HEIGHT		55		<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL		1		<input type="checkbox"/> Arms Rpl? <u>NO</u> <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
9/27/20	YEAR		2019		Structure Re-plumbed

Notes: Pole butt's cut up for dump truck

STR.		A	B	C	NOTES
18/8	HEIGHT	60	65		<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
	DATE RPL	1	1		<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl? <u>NO</u>
9/28/20	YEAR	2019	2020		

Notes: Two truss arms staged between 18/7 & 18/8

STR.		A	B	C	NOTES
18/6	HEIGHT	65	65		<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL	1	1		<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
9/29/20	YEAR	2020	2020		

Notes: Truss ARM/Garbage/old poles staged @ 18/7

STR.		A	B	C	NOTES
18/4	HEIGHT	60	60		<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL	1	1		<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
9/29/20	YEAR	2020	2019		Steel w/F

Notes: Truss ARM/Garbage/old poles staged down @ 18/2



Crew Name: Redmond

STR.		A	B	C	NOTES
18/2	HEIGHT	50		50	<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	POLE CLASS	1		1	
	YEAR	2020		2020	

Notes: Old poles & old material left @ structure site

STR.		A	B	C	NOTES
19/6	HEIGHT	75'	70		<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	POLE CLASS	1	1		
	YEAR	2019	2019		

Notes:

STR.		A	B	C	NOTES
17/5	HEIGHT	55	60	65	<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	POLE CLASS	1	1	1	
	YEAR	2020	2020	2020	

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	POLE CLASS				
	YEAR				

Notes:



Crew Name: B North Bend

STR.		A	B	C	NOTES
<u>18/1</u>	HEIGHT	<u>55</u>	<u>55</u>		<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
	DATE RPL	<u>1</u>	<u>1</u>		<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>1"</u> <input type="checkbox"/> Anchor Rpl? <u>No</u>
	YEAR	<u>2015</u>	<u>2019</u>		

Notes:

Replaced All Glass

STR.		A	B	C	NOTES
<u>18/1</u>	HEIGHT			<u>55</u>	<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL			<u>1</u>	<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR			<u>2015</u>	

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:



Crew Name: North Bend

STR.		A	B	C	NOTES
<u>16/4</u>	HEIGHT		<u>55</u>		<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS		<u>1</u>		<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>N/A</u> <input type="checkbox"/> Anchor Rpl?
	YEAR		<u>2019</u>		

Notes:

STR.		A	B	C	NOTES
<u>16/5</u>	HEIGHT		<u>55</u>		<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS		<u>1</u>		<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>NO</u> <input type="checkbox"/> Anchor Rpl?
	YEAR		<u>2019</u>		

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:





Crew Name: UB

STR.		A	B	C	NOTES		
169	HEIGHT	70	70	75	<input checked="" type="checkbox"/> Garbage left?	<input checked="" type="checkbox"/> Need dirt clean up?	<input checked="" type="checkbox"/> Extra Material left?
	DATE RPL				<input checked="" type="checkbox"/> Arms Rpl?	Anchor Size?   11	<input checked="" type="checkbox"/> Anchor Rpl?
9/30/20	YEAR	2019	2019	2019			

Notes: We added 1 Side guy and anchor. Side guy attached to "A" Pole.

STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/> Garbage left?	<input type="checkbox"/> Need dirt clean up?	<input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl?	Anchor Size?	<input type="checkbox"/> Anchor Rpl?
	YEAR						

Notes:

STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/> Garbage left?	<input type="checkbox"/> Need dirt clean up?	<input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl?	Anchor Size?	<input type="checkbox"/> Anchor Rpl?
	YEAR						

Notes:

STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/> Garbage left?	<input type="checkbox"/> Need dirt clean up?	<input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl?	Anchor Size?	<input type="checkbox"/> Anchor Rpl?
	YEAR						

Notes:



Crew Name: NB

STR.		A	B	C	NOTES
16/10	HEIGHT	60	60		<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
	DATE RPL	1	1		<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>N/A</u> <input type="checkbox"/> Anchor Rpl?
	YEAR	2020	2020		

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:



COUGAR - HOLDEN CREEK # 1

"CLEAN UP"

6/1 TOWER SECTIONS ON THE GROUND

27/6 NEEDS CLEANED UP: OLD POLES ON THE GROUND  
OLD GUY WIRE / MISC. SHIT  
NEW HARDWARE ALSO

\* WILL ALSO NEED "HYDRO SEEDING" AFTER CLEANUP

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21/2 \* NEEDS "HYDRO SEEDING" ONLY

21/1 \* NEEDS "HYDRO SEEDING" ONLY

25/1 \* NEEDS "LIGHT SEEDING" ONLY

24/6 \* NEEDS "LIGHT SEEDING" ONLY

25/3 2 POLES (75') TO CUT UP + HAUL AWAY

25/7 NEEDS SEEDING

26/3 2 POLES (65') TO CUT/HAUL AWAY

22/2 POLES TO CUT/LOAD/HAUL AWAY AND "DRESS UP/SEEDING"

22/5 POLES TO HAUL AWAY/ DRESS UP AREA/SEED



Crew Name: Redmond

STR.		A	B	C	NOTES
<u>10/3</u>	HEIGHT				<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
<u>10/4/20</u>	YEAR				<u>X-Brace installed</u>

Notes:

STR.		A	B	C	NOTES
<u>10/4</u>	HEIGHT				<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
<u>10/5/20</u>	YEAR				

Notes:

STR.		A	B	C	NOTES
<u>11/1</u>	HEIGHT	<u>75'</u>	<u>70'</u>		<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS	<u>1</u>	<u>1</u>		<input checked="" type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
<u>10/5/20</u>	YEAR	<u>2018</u>	<u>2020</u>		<u>X-Brace installed</u>

Notes: Needs mile sign/pole lettering

STR.		A	B	C	NOTES
<u>11/2</u>	HEIGHT	<u>60</u>			<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS	<u>1</u>			<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
<u>10/6/20</u>	YEAR	<u>2017</u>			

Notes:





Crew Name: \_\_\_\_\_

STR.		A	B	C	NOTES
11/3	HEIGHT	70			<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS	1			<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
10/6/20	YEAR	2016			

Notes:

STR.		A	B	C	NOTES
10/1	HEIGHT	65	65	65	<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS	1	1	1	<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
10/6/20	YEAR	2017	20	2017	

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? <input type="checkbox"/> Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:



<b>Crew Name:</b> <u>NB</u>							
STR.		A	B	C	YES	NO	NOTES
<u>15/2</u>	HEIGHT		<u>75</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DATE RPL		<u>1</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	POLE CLASS				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>9/2/20</u>	YEAR		<u>2019</u>				
Notes:							
STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DATE RPL				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	POLE CLASS				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	YEAR						
Notes:							
STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DATE RPL				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	POLE CLASS				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	YEAR						
Notes:							
STR.		A	B	C	NOTES		
	HEIGHT				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DATE RPL				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	POLE CLASS				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	YEAR						
Notes:							



Crew Name: NB

STR.		A	B	C	NOTES
14/6	HEIGHT	75	75	75	<input checked="" type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left? <u>YES - Sunk!</u>
	DATE RPL	1	1	1	<input type="checkbox"/> Arms Rpl? Anchor Size? <u>1"</u> <input checked="" type="checkbox"/> Anchor Rpl?
9-23-20	YEAR	2019	2019	2019	

Notes: Extra material left at site. New material where spotted, However they were burned up in the fire. Pole's and Hardware left AT site. It's a mess, sorry.

STR.		A	B	C	NOTES
15/5	HEIGHT	50	50	50	<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL	1	1	1	<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>1"</u> <input type="checkbox"/> Anchor Rpl?
9-24-20	YEAR	2019	2019	2020	

Notes: old pole left at site

STR.		A	B	C	NOTES
15/4	HEIGHT	45	45		<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
	DATE RPL	1	1		<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>N/A</u> <input type="checkbox"/> Anchor Rpl?
9/25/20	YEAR	2020	2017		

Notes:

STR.		A	B	C	NOTES
15/3	HEIGHT	60			<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
	DATE RPL	2			<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? <u>N/A</u> <input type="checkbox"/> Anchor Rpl?
9/25/20	YEAR	2015			

Notes:



Crew Name: NB

STR.		A	B	C	NOTES
17/1	HEIGHT	65	65	65	<input checked="" type="checkbox"/> Garbage left? <input checked="" type="checkbox"/> Need dirt clean up? <input checked="" type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS	1	1	1	<input checked="" type="checkbox"/> Arms Rpl? Anchor Size? 1" <input checked="" type="checkbox"/> Anchor Rpl?
	YEAR	2019	2019	2019	

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:

STR.		A	B	C	NOTES
	HEIGHT				<input type="checkbox"/> Garbage left? <input type="checkbox"/> Need dirt clean up? <input type="checkbox"/> Extra Material left?
DATE RPL	POLE CLASS				<input type="checkbox"/> Arms Rpl? Anchor Size? <input type="checkbox"/> Anchor Rpl?
	YEAR				

Notes:





1. 20/4 replaced A pole. Belly button: 7/20 class 1-65' DFPA. Completed on 9/20
2. 20/5 replaced both poles, insulators, double arms and added 2 sets of x-braces. Belly button: A pole 9/19 class 1-85' DFPA. B pole 11/19 class 1-85' DFPA. Completed 9/22
3. 20/3 replaced all three poles and guy wire (used old anchors) Belly buttons: A pole 3/19 class 1-75' DFPA. B pole 3/19 class 1/75' DFPA... C pole 11/19 class 1-80' DFPA. Completed 9/23

All the poles and old material from the three structure's listed above are spotted next to the gate by the field.

1. 20/6 replaced both poles, arm, insulators and two X-braces. Belly button: A pole 9-19 class 1-80' DFPA B pole 11-18 class 1-80' DFPA. Some ground disturbance. All old material will be spotted next to the asphalt by ROW.
2. 12/3 replaced all three poles A pole Belly button: class 1-85 DFPA. B pole belly button: class 1-80' DFPA. C pole belly button: class 1-80 DFPA. Installed fish in guys and 2-X braces. Finished on 9-26-20.
3. 12/4 replaced all three poles, insulators and guys/anchors. A pole belly button: 2015 class 1-90' DFPA. B pole belly button: 2008 class 1-85' DFPA. C pole belly button: 2015 class 1-85'

All old material was hauled out of structures 12/3 & 12/4

1. 14/5 replaced all three poles. Landing might need seeded? A pole belly button: 9/19 class 1-85" DFPA B pole belly button: 11/18 class 1-80' DFPA. C pole belly button: 8/19 class 1-85' DFPA

We towed the old poles out to the main gravel road (just poles)

2. 11/7 replaced all three poles & arm. A pole belly button: class 1-? B pole belly button: class 1-? C pole belly button: class 1-

All old material is on the landing, poles & bent arm

3. 11/4



# CUGR-HOLD #1 115kv

1. 20/4 replaced A pole. Belly button: 7/20 class 1-65 DFPA. Completed on 9/20
2. 20/5 replaced both poles, insulators, double arms and added 2 sets of x-braces. Belly button: A pole 9/19 class 1-85 DFPA. B pole 11/19 class 1-85 DFPA. Completed 9/22
3. 20/3 replaced all three poles and guy wire (used old anchors) Belly buttons: A pole 3/19 class 1-75 DFPA. B pole 3/19 class 1/75 DFPA... C pole 11/19 class 1-80 DFPA. Completed 9/23

Barrow

- Redmond - hoe -

(b)(6)

deara - Redmond -

Hoe deliver to Alvey this mon Sat  
Dump trucks on Fri.

Friday



- ✓ 1. 20/4 replaced A pole. Belly button: 7/20 class 1-65' DFPA. Completed on 9/20
- ✓ 2. 20/5 replaced both poles, insulators, double arms and added 2 sets of x-braces. Belly button: A pole 9/19 class 1-85' DFPA. B pole 11/19 class 1-85' DFPA. Completed 9/22
- ✓ 3. 20/3 replaced all three poles and guy wire (used old anchors) Belly buttons: A pole 3/19 class 1-75' DFPA. B pole 3/19 class 1/75' DFPA... C pole 11/19 class 1-80' DFPA. Completed 9/23

All the poles and old material from the three structure's listed above are spotted next to the gate by the field.

- ✓ 1. 20/6 replaced both poles, arm, insulators and two X-braces. Belly button: A pole 9-19 class 1-80' DFPA B pole 11-18 class 1-80' DFPA. Some ground disturbance. All old material will be spotted next to the asphalt by ROW.
- ✓ 2. 12/3 replaced all three poles A pole Belly button: class 1-85 DFPA. B pole belly button: class 1-80' DFPA. C pole belly button: class 1-80 DFPA. Installed fish in guys and 2-X braces. Finished on 9-26-20.
- ✓ 3. 12/4 replaced all three poles, insulators and guys/anchors. A pole belly button: 2015 class 1-90' DFPA. B pole belly button: 2008 class 1-85' DFPA. C pole belly button: 2015 class 1-85'

All old material was hauled out of structures 12/3 & 12/4

- ✓ 1. 14/5 replaced all three poles, finished 10-2-20. Landing might need seeded? A pole belly button: 9/19 class 1-85" DFPA B pole belly button: 11/18 class 1-80' DFPA. C pole belly button: 8/19 class 1-85' DFPA

We towed the old poles out to the main gravel road (just poles)

- ✓ 2. 11/7 replaced all three poles & arm finished 10-5-20. A pole belly button: 6/20 class 1-75' DFPA B pole belly button: 10/20 class 1-65' DFPA C pole belly button: 6/20 class 1- 60'

All old material is on the landing where the new pole was spotted, poles & bent arm. There is one old pole up on the left from the pile, they forgot to drag down 200' or so. WE LEFT THREE ANCHORS ON THE LANDING AT THE STRUCTURE FOR THE DRILLERS.

- ✓ 3. 11/4 replaced B pole and cross arm, finished on 10-5-20. B pole belly button: 10/20 class 1-65' DFPA.

All old material is where the new pole was spotted for us, plus some extra pole butts we was packing around.. WE LEFT THREE ANCHORS ON THE LANDING AT THE STRUCTURE FOR THE DRILLERS.



43	Fire Damaged
8	FY 20 Poles
14	Correctives
	Priority Poles
	Future Priority

Line Name	Mile	No.	A	B	C	Style	TLM Notes	Days	Dozer
Cougar - Holden Creek No.1									
	10	3				FH2	priority 2 (Pole History Sheet)		
	10	2				F2	C pole 70% Replace (Pole History Sheet)		
	11	1	75	70		A2	B pole Replace		
	11	2				B1	A pole Replace		
	11	3				A1	A pole Replace		
	11	4				A1	B pole Replace		
	11	5	75	65		A1	priority 2 (Pole History Sheet) 4454-GL		
	11	6				FH1	C pole 50% replace, priority 1 (Pole History Sheet)		
	11	7	75	65	60	F2	Complete Rebuild		
Pole sizes?	12	3	90	80	80	FH1	Danger priority pole		
	12	4	90	85	85	FH1	priority 2 (Pole History Sheet) B-444-GL 8889-AG		
	14	5	85	80	85	FHW1	A,B,C replace		
	14	6	75	75	75	FHW2	B pole completely gone/Replace, A, C pole are good, Danger priority pole, Conductor Pos 3 Corrective C3		
	15	2	70	75		A1	B pole Replace, guessing 75 ft pole		
	15	4				A1	A, B pole Replace, pole size 45, truss arm		
	15	5				C2	A,C pole replace, B pole ? Shows some fire damage up it, glass/wire look good.		
	16	7				A1	(Pole History Sheet)		
	15	8				C2	Angle, has bent eye bolt and needs signage		
	16	1				A1	A,B pole ok, structure needs to be plumbed up		
	16	2				A1	Struon the ground, Replace A ,B pole, arm looks ok, replace x-braces, priority 2 (Pole History Sheet)		
	16	4				A1	A pole good, Replace B pole		
	16	5				C	A, C poles good, Replace B pole 55'		
	16	8	70	70	75	F	priority 2 (Pole History Sheet) C-5587-GL 4775-AG		
	16	10				A2	A pole ok, B pole replace 60' (Pole History Sheet)		
	17	1				C	total replacement (Pole History Sheet)		
	17	5	55	60	65	C2	Rebuild Structure, danger priority pole		
	17	6				A1	B pole burnt to top x brace (Pole History Sheet)		
	17	8				A1	has one bad damper- good bucket set up.		
	17	9				A1	priority 2 (Pole History Sheet) B-7887-GL		
	18	1				FH1	Heavy charring, Broken HX x 2. NCI jumper strings age? (Pole History Sheet)		
	18	2				F1	A pole 10% burned, B pole chared, C pole 60% burnt		
	18	4				A1	A pole replace (100% burned), B burned		
	18	6				A1	A, B burned (Pole History Sheet)		
	18	7				FH2	B pole replace, A,C chard		
	18	8				A2	A, B pole Replace, Danger priority pole , replace single wood HX broken, Conductor Pos 2 Corrective C3 (Pole History Sheet)		



	19	1				FH1	A chard, need 2 HX, tighten guys, anchors already 1" (Pole History Sheet) CRACKS		
	19	8				A1	Burned		
	20	3	75	75	80	FH2	F arm bent, A pole burned up, B pole burned off a the ground, C pole burn cavity 20' up		
	20	6	80	80		A1	Danger priority pole, priority 1&2 (Pole History Sheet) (Go back with double X brace, no guys)		
	21	1				A1	A pole gone, Arm change, B pole old but no damage, priority 2 (Pole History Sheet)		
	21	3				F2	priority 2, Dead end insulator Pos 3 Corrective C3 (Pole History Sheet) B-9797		
	21	6				A1	(Pole History Sheet) CRACKS+SHELL ROT		
	22	2				A1	Total replace A,B pole, arm, x-brace okay, replace insulators		
	22	5				B2	(Pole History Sheet) INSECTS		
	22	7				FH1	danger priority pole, structure ok, new staged materials and poles are burned up.		
	23	1				A1	priority 2, wood needs to be plumbed, wood looks okay.		
	23	2				A2	structure totaled, A2? Has two arms, replace poles and arms, insulators look okay		
	23	3				C2	A pole okay, B pole fire damage (can wait for now), C pole replace. Conductor on the ground, no conductor damage. (Pole History Sheet)		
	23	4				F1	Priority Poles (material was not delivered prior to fire)		
	23	5				F1	A and B pole okay, some fire damage, not bad. Replace C pole its gone. Landing work needed, for both line and bucket truck Set up. priority 2 (Pole History Sheet)		YES
	23	6				A1	(Pole History Sheet) CRACKS + BIRD		
	24	2				A1	priority 1 (Pole History Sheet)		
	24	3				F1	Two broken HX's.		
	24	6				A1	A, B bad, good boom/bucket set up		
	24	7				A1	A chard, B good, POL 1-2 broke, Suspension Insulator Pos 1 Corrective, C3		
	24	8				A1	Suspension Insulator Pos 3 Corrective, C3		
	25	1				C2	A chard, B,C 100% burned, need CAT work		YES
	25	5	75	75		A1	priority 1 (Pole History Sheet)		
	25	7	75	75		A1	priority 1 & 2 (Pole History Sheet)		
	26	3				A1	priority 2 (Pole History Sheet)		
	27	4				B1	Conductor Pos 1 Corrective, C3		
Holden Creek - Thurston									
	3	4					Suspension insulator Pos 3 Corrective, C3		
	7	1					Dead end insulator Pos 1 Corrective, C3		
	7	2					Suspension insulator Pos 1 Corrective, C3		
	9	1					Suspension insulator Pos 3 Corrective, C3		
	10	5					Conductor Pos 2 Corrective, C3		
	12	5					(Pole History Sheet)		

Line Name	Mile	No.	A	B	C	Style	TLM Notes
Cougar - Holden Creek No.1							
Done Alvey 09/17/2020	1	6					Suspension Insulator Pos 1 Corrective,D3
Done Alvey 09/17/2020	2	4					Suspension Insulator Pos 1 Corrective, C3
Done Alvey 09/17/2020	2	4					Suspension Insulator Pos 2 Corrective,C3
Done Barehand 9/20/20	20	4				A1	1 pole
Done Barehand 9/20/20	20	5	85	85		A2	both poles
Done Alvey 09/20/20	21	2				A1	Both Poles
Done Alvey 09/16/2020	27	6				EH	Priority Pole

Location		Structure				Pole			Pole &			
Mile	Struc	Structure Serial Number	Pole Position	Structure Class Code	Structure Type Code	Pole Class	Pole Length	Pole Kind	Manf Date	Install Date	Through Bore Indicator	Stub Pole Indicator
2	1	AL 8	A	30SP	30SP-C2		65	S	1959-01-01	1959-01-01	N	N
2	1	AL 8	B	30SP	30SP-C2		62.5	S	1959-01-01	1959-01-01	N	N
2	1	AL 8	C	30SP	30SP-C2		57.5	S	1959-01-01	1959-01-01	N	N
2	3	AL 10M	A	P-2SWH	22WA-WSH-C1	1	70	D	2016-01-01	2019-03-01	Y	N
2	3	AL 10M	B	P-2SWH	22WA-WSH-C1	1	70	D	2016-01-01	2019-03-01	Y	N
2	3	AL 10M	XA1	P-2SWH	22WA-WSH-C1				2019-01-01	2019-03-01	N	N
2	3	AL 10M	XB1	P-2SWH	22WA-WSH-C1				2019-01-01	2019-03-01	N	N
2	4	AL 11	A	30SP	30SP-F2		77.5	S	1959-01-01	1959-01-01	N	N
2	4	AL 11	B	30SP	30SP-F2		75	S	1959-01-01	1959-01-01	N	N
2	4	AL 11	C	30SP	30SP-F2		70	S	1959-01-01	1959-01-01	N	N
2	5	AL 12	A	30SP	30SP-F1		62.5	S	1959-01-01	1959-01-01	N	N
2	5	AL 12	B	30SP	30SP-F1		62.5	S	1959-01-01	1959-01-01	N	N
2	5	AL 12	C	30SP	30SP-F1		62.5	S	1959-01-01	1959-01-01	N	N
3	2	AL 14	A	30SP	30SP-F2		95	S	1959-01-01	1959-01-01	N	N
3	2	AL 14	B	30SP	30SP-F2		95	S	1959-01-01	1959-01-01	N	N
3	2	AL 14	C	30SP	30SP-F2		95	S	1959-01-01	1959-01-01	N	N
3	5	AL 17	A	30SP	30SP-F1		80	S	1959-01-01	1959-01-01	N	N
3	5	AL 17	B	30SP	30SP-F1		82.5	S	1959-01-01	1959-01-01	N	N
3	5	AL 17	C	30SP	30SP-F1		82.5	S	1959-01-01	1959-01-01	N	N
4	4	AL 21	A	30SP	30SP-C1		67.5	S	1959-01-01	1959-01-01	N	N
4	4	AL 21	B	30SP	30SP-C1		67.5	S	1959-01-01	1959-01-01	N	N
4	4	AL 21	C	30SP	30SP-C1		67.5	S	1959-01-01	1959-01-01	N	N
5	4	AL 27	A	30SP	30SP-F2		42.5	S	1959-01-01	1959-01-01	N	N
5	4	AL 27	B	30SP	30SP-F2		42.5	S	1959-01-01	1959-01-01	N	N
5	4	AL 27	C	30SP	30SP-F2		42.5	S	1959-01-01	1959-01-01	N	N
6	2	AL 30	A	10	10SW		55	S	1965-01-01	1965-01-01	N	N
6	2	AL 30	B	10	10SW		55	S	1965-01-01	1965-01-01	N	N
6	2	AL 30	S1	P-OSW-AUX	01WD-XXX-AUX	2	30	F	1965-01-01	1965-01-01	N	N
6	2	AL 30	S2	P-OSW-AUX	01WD-XXX-AUX	2	30	F	1965-01-01	1965-01-01	N	N
6	2	AL 30	S3	P-OSW-AUX	01WD-XXX-AUX	2	30	F	1965-01-01	1965-01-01	N	N
6	2	AL 30	XA1	10	10SW					1965-01-01	N	N
6	2	AL 30	XA2	10	10SW					1965-01-01	N	N
6	3	AL 31	A	30SP	30SP-F2		57.5	S	1959-01-01	1959-01-01	N	N
6	3	AL 31	B	30SP	30SP-F2		57.5	S	1959-01-01	1959-01-01	N	N
6	3	AL 31	C	30SP	30SP-F2		57.5	S	1959-01-01	1959-01-01	N	N
7	3	AL 36	A	30SP	30SP-F2		62.5	S	1959-01-01	1959-01-01	N	N
7	3	AL 36	B	30SP	30SP-F2		62.5	S	1959-01-01	1959-01-01	N	N
7	3	AL 36	C	30SP	30SP-F2		62.5	S	1959-01-01	1959-01-01	N	N
7	5	AL 38	A	30SP	30SP-F2		42.5	S	1959-01-01	1959-01-01	N	N
7	5	AL 38	B	30SP	30SP-F2		42.5	S	1959-01-01	1959-01-01	N	N
7	5	AL 38	C	30SP	30SP-F2		45	S	1959-01-01	1959-01-01	N	N
8	4	AL 42	A	30SP	30SP-C1		55	S	1959-01-01	1959-01-01	N	N
8	4	AL 42	B	30SP	30SP-C1		62.5	S	1959-01-01	1959-01-01	N	N
8	4	AL 42	C	30SP	30SP-C1		75	S	1959-01-01	1959-01-01	N	N
9	2	AL 45	A	30SP	30SP-F1		62.5	S	1959-01-01	1959-01-01	N	N
9	2	AL 45	B	30SP	30SP-F1		67.5	S	1959-01-01	1959-01-01	N	N
9	2	AL 45	C	30SP	30SP-F1		72.5	S	1959-01-01	1959-01-01	N	N
10	1	AL 49	A	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
10	1	AL 49	B	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
10	1	AL 49	C	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
10	1	AL 49	XA1	P-2SWH	T23WE-AWH-H1					1980-01-01	N	N
10	2	AL 50	A	P-2SWH	T23WE-AWH-H1	2	65	D	1995-01-01	1995-07-07	Y	N
10	2	AL 50	B	P-2SWH	T23WE-AWH-H1	2	60	D	1995-01-01	1995-07-07	Y	N
10	2	AL 50	C	P-2SWH	T23WE-AWH-H1	2	60	F	1959-01-01	1959-01-01	N	N
10	2	AL 50	XA1	P-2SWH	T23WE-AWH-H1					1980-01-01	N	N
10	3	AL 51	A	P-2SWH	T22WA-TSH	2	65	D	1977-01-01	1982-01-01	Y	N
10	3	AL 51	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
10	3	AL 51	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
10	4	AL 52	A	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
10	4	AL 52	B	P-2SWH	T22WA-TSH	2	55	D	1982-01-01	1982-01-01	Y	N
10	4	AL 52	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
10	4	AL 52	XB1	P-2SWH	T22WA-TSH						N	N
10	5	AL 53	A	P-2SWH	T22WA-TSH	2	70	F	1959-01-01	1959-01-01	N	N
10	5	AL 53	B	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N
10	5	AL 53	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
10	5	AL 53	XB1	P-2SWH	T22WA-TSH						N	N
10	6	AL 54	A	P-2SWH	22WA-WSH	2	75	D	2010-01-01	2012-06-21	Y	N
10	6	AL 54	B	P-2SWH	22WA-WSH	2	70	D	2011-01-01	2012-06-21	Y	N
10	6	AL 54	XA1	P-2SWH	22WA-WSH					2012-06-21	N	N
10	6	AL 54	XB1	P-2SWH	22WA-WSH						N	N

11	1	AL 55	A	P-2SWH	T22WA-TSH-C1	2	75	D	1981-01-01	1981-01-01	Y	N
11	1	AL 55	B	P-2SWH	T22WA-TSH-C1	2	70	F	1959-01-01	1959-01-01	N	N
11	1	AL 55	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
11	2	AL 56	A	P-2SWH	23WC-WSH	1	60	D	2015-01-01	2019-09-01	Y	N
11	2	AL 56	B	P-2SWH	23WC-WSH	1	55	D	2015-01-01	2019-09-01	Y	N
11	2	AL 56	C	P-2SWH	23WC-WSH	1	50	D	2015-01-01	2019-09-01	Y	N
11	2	AL 56	XA1	P-2SWH	23WC-WSH				2019-01-01	2019-09-01	N	N
11	3	AL 57	A	P-2SWH	22WA-WSH	1	70	D	2016-01-01	2018-09-01	Y	N
11	3	AL 57	B	P-2SWH	22WA-WSH	1	60	D	2015-01-01	2018-09-01	Y	N
11	3	AL 57	XA1	P-2SWH	22WA-WSH				2018-01-01	2018-09-01	N	N
11	3	AL 57	XB1	P-2SWH	22WA-WSH				2018-01-01	2018-09-01	N	N
11	4	AL 58	A	P-2SWH	T22WA-TSH	2	70	D	2009-01-01	2010-05-18	Y	N
11	4	AL 58	B	P-2SWH	T22WA-TSH	2	65	D	1977-01-01	1977-01-01	Y	N
11	4	AL 58	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
11	4	AL 58	XB1	P-2SWH	T22WA-TSH						N	N
11	5	AL 59	A	P-2SWH	T22WA-TSH	2	75	F	1959-01-01	1959-01-01	N	N
11	5	AL 59	B	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N
11	5	AL 59	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
11	6	AL 60	A	P-2SWH	T23WE-AWH-H1	2	70	D	1975-01-01	1975-01-01	Y	N
11	6	AL 60	B	P-2SWH	T23WE-AWH-H1	2	65	D	1975-01-01	1975-01-01	Y	N
11	6	AL 60	C	P-2SWH	T23WE-AWH-H1	2	60	P	1971-01-01	1971-01-01	N	N
11	6	AL 60	XA1	P-2SWH	T23WE-AWH-H1					1977-01-01	N	N
11	7	AL 61	A	P-2SWH	23WG-WSH	2	75	D	2010-01-01	2012-06-14	Y	N
11	7	AL 61	B	P-2SWH	23WG-WSH	2	65	D	2011-01-01	2012-06-14	Y	N
11	7	AL 61	C	P-2SWH	23WG-WSH	2	60	D	2011-01-01	2012-06-14	Y	N
11	7	AL 61	XA1	P-2SWH	23WG-WSH					1981-01-01	N	N
11	8	AL 62	A	P-2SWH	T22WA-TSH	2	60	D	2010-01-01	2012-07-26	Y	N
11	8	AL 62	B	P-2SWH	T22WA-TSH	2	55	D	2012-01-01	2012-07-26	Y	N
11	8	AL 62	XA1	P-2SWH	T22WA-TSH					2012-07-26	N	N
12	1	AL 63	A	P-2SWH	T22WA-TSH-C1	2	70	D	1981-01-01	1987-10-23	Y	N
12	1	AL 63	B	P-2SWH	T22WA-TSH-C1	2	60	F	1959-01-01	1959-01-01	N	N
12	1	AL 63	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
12	2	AL 64	A	P-2SWH	T22WA-TSH	2	65	D	2008-01-01	2010-05-19	Y	N
12	2	AL 64	B	P-2SWH	T22WA-TSH	2	55	D	2007-01-01	2010-05-19	Y	N
12	2	AL 64	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
12	2	AL 64	XB1	P-2SWH	T22WA-TSH						N	N
12	3	AL 65	A	P-2SWH	T23WE-AWH-H1	2	90	F	1959-01-01	1959-01-01	N	N
12	3	AL 65	B	P-2SWH	T23WE-AWH-H1	2	80	F	1959-01-01	1959-01-01	N	N
12	3	AL 65	C	P-2SWH	T23WE-AWH-H1	H1	80	D	2014-01-01	2014-05-15	Y	N
12	3	AL 65	XA1	P-2SWH	T23WE-AWH-H1					1992-04-16	N	N
12	4	AL 66	A	P-2SWH	T23WE-AWH-H1	2	90	D	1975-01-01	1975-01-01	Y	N
12	4	AL 66	B	P-2SWH	T23WE-AWH-H1	2	85	F	1959-01-01	1959-01-01	N	N
12	4	AL 66	C	P-2SWH	T23WE-AWH-H1	2	85	D	1988-01-01	1990-08-06	Y	N
12	4	AL 66	XA1	P-2SWH	T23WE-AWH-H1					1992-04-16	N	N
12	5	AL 67	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
12	5	AL 67	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
12	5	AL 67	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
12	5	AL 67	XB1	P-2SWH	T22WA-TSH						N	N
12	6	AL 68	A	P-2SWH	T22WA-TSH-C1	2	70	D	1975-01-01	1975-01-01	Y	N
12	6	AL 68	B	P-2SWH	T22WA-TSH-C1	2	70	D	1998-01-01	1998-08-12	Y	N
12	6	AL 68	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
12	7	AL 69	A	P-2SWH	T23WE-AWH-H1	2	60	D	2000-01-01	2004-05-06	Y	N
12	7	AL 69	B	P-2SWH	T23WE-AWH-H1	2	60	D	2000-01-01	2004-05-06	Y	N
12	7	AL 69	C	P-2SWH	T23WE-AWH-H1	2	60	D	2002-01-01	2004-05-06	Y	N
12	7	AL 69	XA1	P-2SWH	T23WE-AWH-H1					1992-03-13	N	N
13	1	AL 70	A	P-2SWH	T22WA-TSH-C1	2	55	D	2005-01-01	2007-02-15	Y	N
13	1	AL 70	B	P-2SWH	T22WA-TSH-C1	2	55	D	2005-01-01	2007-02-14	Y	N
13	1	AL 70	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
13	1	AL 70	XB1	P-2SWH	T22WA-TSH-C1						N	N
13	2	AL 71	A	P-2SWH	22WA-WSH	1	50	D	2016-01-01	2017-08-01	Y	N
13	2	AL 71	B	P-2SWH	22WA-WSH	1	50	D	2016-01-01	2017-08-01	Y	N
13	2	AL 71	XA1	P-2SWH	22WA-WSH					2017-08-01	N	N
13	2	AL 71	XB1	P-2SWH	22WA-WSH					2017-08-02	N	N
13	3	AL 72	A	P-2SWH	22WA-WSH	1	55	D	2015-01-01	2017-08-01	Y	N
13	3	AL 72	B	P-2SWH	22WA-WSH	1	55	D	2015-01-01	2017-08-01	Y	N
13	3	AL 72	XA1	P-2SWH	22WA-WSH					2017-08-01	N	N
13	3	AL 72	XB1	P-2SWH	22WA-WSH					2017-08-02	N	N
13	4	AL 73	A	P-2SWH	23WE-WSH	1	60	D	2012-01-01	2012-06-20	Y	N
13	4	AL 73	B	P-2SWH	23WE-WSH	1	60	D	2012-01-01	2012-06-20	Y	N
13	4	AL 73	C	P-2SWH	23WE-WSH	1	60	D	2012-01-01	2012-06-20	Y	N
13	4	AL 73	XA1	P-2SWH	23WE-WSH					1977-01-01	N	N
13	5	AL 74	A	P-2SWH	T22WA-TSH	2	55	D	2005-01-01	2006-05-01	Y	N
13	5	AL 74	B	P-2SWH	T22WA-TSH	2	55	D	2005-01-01	2006-05-01	Y	N
13	5	AL 74	XA1	P-2SWH	T22WA-TSH					2006-05-01	N	N
13	5	AL 74	XB1	P-2SWH	T22WA-TSH						N	N
13	6	AL 75	A	P-2SWH	T22WA-TSH-C1	2	60	D	2005-01-01	2006-05-02	Y	N

13	6	AL 75	B	P-2SWH	T22WA-TSH-C1	2	60	D	2005-01-01	2006-05-02	Y	N
13	6	AL 75	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
13	7	AL 76	A	P-2SWH	T22WA-TSH-C1	2	65	D	2005-01-01	2006-05-15	Y	N
13	7	AL 76	B	P-2SWH	T22WA-TSH-C1	2	65	D	2005-01-01	2006-05-15	Y	N
13	7	AL 76	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
14	1	AL 77	A	P-2SWH	T22WA-TSH	2	55	D	2005-01-01	2006-05-03	Y	N
14	1	AL 77	B	P-2SWH	T22WA-TSH	2	55	D	2002-01-01	2006-05-02	Y	N
14	1	AL 77	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
14	1	AL 77	XB1	P-2SWH	T22WA-TSH						N	N
14	2	AL 78	A	P-2SWH	T22WA-TSH	2	60	D	2004-01-01	2006-05-04	Y	N
14	2	AL 78	B	P-2SWH	T22WA-TSH	2	60	D	2004-01-01	2006-05-03	Y	N
14	2	AL 78	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
14	2	AL 78	XB1	P-2SWH	T22WA-TSH						N	N
14	3	AL 79	A	P-2SWH	T22WA-TSH	2	60	D	1998-01-01	1998-08-13	Y	N
14	3	AL 79	B	P-2SWH	T22WA-TSH	2	60	D	2005-01-01	2006-05-17	Y	N
14	3	AL 79	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
14	3	AL 79	XB1	P-2SWH	T22WA-TSH						N	N
14	4	AL 80	A	P-2SWH	T22WA-TSH-C1	2	70	D	2004-01-01	2006-05-16	Y	N
14	4	AL 80	B	P-2SWH	T22WA-TSH-C1	2	70	D	2005-01-01	2006-05-16	Y	N
14	4	AL 80	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
14	5	AL 81	A	P-2SWH	T23WG-WSH-W1H	2	85	D	2011-01-01	2012-08-14	Y	N
14	5	AL 81	B	P-2SWH	T23WG-WSH-W1H	2	80	D	2010-01-01	2012-08-14	Y	N
14	5	AL 81	C	P-2SWH	T23WG-WSH-W1H	2	85	D	2011-01-01	2012-08-14	Y	N
14	5	AL 81	XA1	P-2SWH	T23WG-WSH-W1H1					1982-01-01	N	N
14	6	AL 82	A	P-2SWH	T23WG-SWH-W1H	2	75	D	2015-01-01	2017-08-01	Y	N
14	6	AL 82	B	P-2SWH	T23WG-SWH-W1H	2	75	D	2015-01-01	2017-08-01	Y	N
14	6	AL 82	C	P-2SWH	T23WG-SWH-W1H	2	75	D	2015-01-01	2017-08-01	Y	N
14	6	AL 82	XA1	P-2SWH	T23WG-SWH-W1H1					2017-08-02	N	N
15	1	AL 83	A	P-2SWH	T22WA-TSH	2	50	D	2000-01-01	2006-05-04	Y	N
15	1	AL 83	B	P-2SWH	T22WA-TSH	2	50	D	1985-01-01	1985-01-01	Y	N
15	1	AL 83	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
15	1	AL 83	XB1	P-2SWH	T22WA-TSH						N	N
15	2	AL 84	A	P-2SWH	T22WA-TSH-C1	2	65	D	2014-01-01	2014-10-19	Y	N
15	2	AL 84	B	P-2SWH	T22WA-TSH-C1	2	70	D	2011-01-01	2014-10-19	Y	N
15	2	AL 84	XA1	P-2SWH	T22WA-TSH-C1					2014-10-19	N	N
15	3	AL 85	A	P-2SWH	T22WA-TSH-C1	2	60	D	2013-01-01	2014-10-19	Y	N
15	3	AL 85	B	P-2SWH	T22WA-TSH-C1	2	60	D	2013-01-01	2014-10-19	Y	N
15	3	AL 85	XA1	P-2SWH	T22WA-TSH-C1					2014-10-19	N	N
15	4	AL 86	A	P-2SWH	T22WA-TSH	2	45	N	1991-01-01	1992-04-14	N	N
15	4	AL 86	B	P-2SWH	T22WA-TSH	2	45	F	1959-01-01	1959-01-01	N	N
15	4	AL 86	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
15	5	AL 87	A	P-2SWH	23WC-WSH	1	50	D	2016-01-01	2018-09-01	Y	N
15	5	AL 87	B	P-2SWH	23WC-WSH	1	50	D	2015-01-01	2018-09-01	Y	N
15	5	AL 87	C	P-2SWH	23WC-WSH	1	50	D	2016-01-01	2018-09-01	Y	N
15	5	AL 87	XA1	P-2SWH	23WC-WSH					2018-09-01	N	N
15	6	AL 88	A	P-2SWH	22WA-WSH	1	55	D	2015-01-01	2018-08-01	Y	N
15	6	AL 88	B	P-2SWH	22WA-WSH	1	60	D	2015-01-01	2018-08-01	Y	N
15	6	AL 88	XA1	P-2SWH	22WA-WSH					2018-09-01	N	N
15	6	AL 88	XB1	P-2SWH	22WA-WSH					2018-09-02	N	N
15	7	AL 89	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
15	7	AL 89	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
15	7	AL 89	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
15	7	AL 89	XB1	P-2SWH	T22WA-TSH						N	N
15	8	AL 90	A	P-2SWH	T23WC-SWH	2	60	D	2013-01-01	2014-10-19	Y	N
15	8	AL 90	B	P-2SWH	T23WC-SWH	2	60	D	1987-01-01	1988-09-01	Y	N
15	8	AL 90	C	P-2SWH	T23WC-SWH	2	60	D	2004-01-01	2006-05-05	Y	N
15	8	AL 90	XA1	P-2SWH	T23WC-SWH					1982-01-01	N	N
15	9	AL 91	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
15	9	AL 91	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
15	9	AL 91	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
15	9	AL 91	XB1	P-2SWH	T22WA-TSH						N	N
16	1	AL 92	A	P-2SWH	T22WA-TSH	2	45	D	1981-01-01	1981-01-01	Y	N
16	1	AL 92	B	P-2SWH	T22WA-TSH	2	50	D	1985-01-01	1985-01-01	Y	N
16	1	AL 92	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	1	AL 92	XB1	P-2SWH	T22WA-TSH						N	N
16	2	AL 93	A	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
16	2	AL 93	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
16	2	AL 93	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	2	AL 93	XB1	P-2SWH	T22WA-TSH						N	N
16	3	AL 94	A	P-2SWH	T22WA-TSH	2	60	N	1991-01-01	1992-04-14	N	N
16	3	AL 94	B	P-2SWH	T22WA-TSH	2	60	D	1982-01-01	1982-01-01	Y	N
16	3	AL 94	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	3	AL 94	XB1	P-2SWH	T22WA-TSH						N	N
16	4	AL 95	A	P-2SWH	22WA-WSH	1	55	D	2017-01-01	2018-08-01	Y	N
16	4	AL 95	B	P-2SWH	22WA-WSH	1	55	D	2017-01-01	2018-09-01	Y	N
16	4	AL 95	XA1	P-2SWH	22WA-WSH					2018-09-01	N	N

16	5	AL 96	A	P-2SWH	23WC-WSH	1	55	D	2015-01-01	2018-09-01	Y	N
16	5	AL 96	B	P-2SWH	23WC-WSH	1	50	D	2017-01-01	2018-09-01	Y	N
16	5	AL 96	C	P-2SWH	23WC-WSH	1	60	D	2015-01-01	2018-09-01	Y	N
16	5	AL 96	XA1	P-2SWH	23WC-WSH					2018-09-01	N	N
16	6	AL 97	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	6	AL 97	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	6	AL 97	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	6	AL 97	XB1	P-2SWH	T22WA-TSH						N	N
16	7	AL 98	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	7	AL 98	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	7	AL 98	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	7	AL 98	XB1	P-2SWH	T22WA-TSH						N	N
16	8	AL 99	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	8	AL 99	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
16	8	AL 99	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
16	8	AL 99	XB1	P-2SWH	T22WA-TSH						N	N
16	9	AL 100	A	P-2SWH	T23WE-AWH-H1	2	70	D	1996-01-01	1998-08-12	Y	N
16	9	AL 100	B	P-2SWH	T23WE-AWH-H1	2	70	F	1959-01-01	1959-01-01	N	N
16	9	AL 100	C	P-2SWH	T23WE-AWH-H1	2	75	F	1959-01-01	1959-01-01	N	N
16	9	AL 100	XA1	P-2SWH	T23WE-AWH-H1					1981-01-01	N	N
16	10	AL 101	A	P-2SWH	T22WA-TSH-C1	2	60	F	1959-01-01	1959-01-01	N	N
16	10	AL 101	B	P-2SWH	T22WA-TSH-C1	2	60	F	1959-01-01	1959-01-01	N	N
16	10	AL 101	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
16	10	AL 101	XB1	P-2SWH	T22WA-TSH-C1						N	N
17	1	AL 102	A	P-2SWH	T23WC-SWH	2	65	F	1959-01-01	1959-01-01	N	N
17	1	AL 102	B	P-2SWH	T23WC-SWH	2	65	N	1991-01-01	1994-05-18	N	N
17	1	AL 102	C	P-2SWH	T23WC-SWH	2	65	N	1991-01-01	1992-04-15	N	N
17	1	AL 102	XA1	P-2SWH	T23WC-SWH					1984-01-01	N	N
17	2	AL 103	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
17	2	AL 103	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
17	2	AL 103	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
17	2	AL 103	XB1	P-2SWH	T22WA-TSH						N	N
17	3	AL 104	A	P-2SWH	T22WA-TSH	2	70	D	2005-01-01	2006-05-18	Y	N
17	3	AL 104	B	P-2SWH	T22WA-TSH	2	70	D	2004-01-01	2006-05-18	Y	N
17	3	AL 104	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
17	4	AL 105	A	P-2SWH	T22WA-TSH	2	55	D	2005-01-01	2006-05-18	Y	N
17	4	AL 105	B	P-2SWH	T22WA-TSH	2	60	D	2004-01-01	2006-05-17	Y	N
17	4	AL 105	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
17	5	AL 106	A	P-2SWH	23WC-WSH	2	55	D	2015-01-01	2017-08-01	Y	N
17	5	AL 106	B	P-2SWH	23WC-WSH	2	60	D	2015-01-01	2017-08-01	Y	N
17	5	AL 106	C	P-2SWH	23WC-WSH	2	65	D	2015-01-01	2017-08-01	Y	N
17	5	AL 106	XA1	P-2SWH	23WC-WSH					2017-08-02	N	N
17	6	AL 107	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
17	6	AL 107	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
17	6	AL 107	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
17	6	AL 107	XB1	P-2SWH	T22WA-TSH						N	N
17	7	AL 108	A	P-2SWH	T22WA-TSH	2	70	D	1987-01-01	1988-09-01	Y	N
17	7	AL 108	B	P-2SWH	T22WA-TSH	2	65	D	1987-01-01	1987-01-01	Y	N
17	7	AL 108	XA1	P-2SWH	T22WA-TSH					1970-01-01	N	N
17	8	AL 109	A	P-2SWH	T22WA-TSH	2	55	D	2001-01-01	2002-05-23	Y	N
17	8	AL 109	B	P-2SWH	T22WA-TSH	2	55	D	2000-01-01	2002-05-23	Y	N
17	8	AL 109	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
17	8	AL 109	XB1	P-2SWH	T22WA-TSH						N	N
17	9	AL 110	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
17	9	AL 110	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
17	9	AL 110	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
18	1	AL 111	A	P-2SWH	T23WE-AWH-H1	2	55	F	1959-01-01	1959-01-01	N	N
18	1	AL 111	B	P-2SWH	T23WE-AWH-H1	2	55	F	1959-01-01	1959-01-01	N	N
18	1	AL 111	C	P-2SWH	T23WE-AWH-H1	2	55	D	1984-01-01	1984-01-01	Y	N
18	1	AL 111	XA1	P-2SWH	T23WE-AWH-H1					1985-01-01	N	N
18	2	AL 112	A	P-2SWH	23WE-WSH	2	50	D	2015-01-01	2018-09-01	Y	N
18	2	AL 112	B	P-2SWH	23WE-WSH	2	50	D	2016-01-01	2018-09-01	Y	N
18	2	AL 112	C	P-2SWH	23WE-WSH	2	50	D	2016-01-01	2018-09-01	Y	N
18	2	AL 112	XA1	P-2SWH	23WE-WSH					2018-09-02	N	N
18	3	AL 113	A	P-2SWH	T23WC-SWH-H2	2	55	F	1959-01-01	1959-01-01	N	N
18	3	AL 113	B	P-2SWH	T23WC-SWH-H2	2	55	F	1959-01-01	1959-01-01	N	N
18	3	AL 113	C	P-2SWH	T23WC-SWH-H2	2	55	D	1981-01-01	1981-01-01	Y	N
18	3	AL 113	XA1	P-2SWH	T23WC-SWH-H2					1982-01-01	N	N
18	4	AL 114	A	P-2SWH	T22WA-TSH	2	65	P	1965-01-01	1965-01-01	N	N
18	4	AL 114	B	P-2SWH	T22WA-TSH	2	65	D	1967-01-01	1967-01-01	Y	N
18	4	AL 114	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
18	5	AL 115	A	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
18	5	AL 115	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
18	5	AL 115	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
18	5	AL 115	XB1	P-2SWH	T22WA-TSH						N	N
18	6	AL 116	A	P-2SWH	T22WA-TSH	2	60	P	1984-01-01	1984-01-01	N	N

18	6	AL 116	B	P-2SWH	T22WA-TSH	2	60	D	1974-01-01	1974-01-01	Y	N
18	6	AL 116	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
18	6	AL 116	XB1	P-2SWH	T22WA-TSH						N	N
18	7	AL 117	A	P-2SWH	T23WE-AWH-H1	2	55	D	2008-01-01	2011-05-02	Y	N
18	7	AL 117	B	P-2SWH	T23WE-AWH-H1	2	55	D	2007-01-01	2011-05-04	Y	N
18	7	AL 117	C	P-2SWH	T23WE-AWH-H1	2	55	D	2007-01-01	2011-05-05	Y	N
18	7	AL 117	XA1	P-2SWH	T23WE-AWH-H1					1977-01-01	N	N
18	8	AL 118	A	P-2SWH	T22WA-TSH-C1	2	60	F	1959-01-01	1959-01-01	N	N
18	8	AL 118	B	P-2SWH	T22WA-TSH-C1	2	65	F	1959-01-01	1959-01-01	N	N
18	8	AL 118	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
19	1	AL 119	A	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
19	1	AL 119	B	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
19	1	AL 119	C	P-2SWH	T23WE-AWH-H1	2	70	F	1959-01-01	1959-01-01	N	N
19	1	AL 119	XA1	P-2SWH	T23WE-AWH-H1					1977-01-01	N	N
19	2	AL 120	A	P-2SWH	T22WA-TSH	2	50	D	2002-01-01	2007-02-14	Y	N
19	2	AL 120	B	P-2SWH	T22WA-TSH	2	50	D	1999-01-01	2007-02-13	Y	N
19	2	AL 120	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
19	2	AL 120	XB1	P-2SWH	T22WA-TSH						N	N
19	3	AL 121	A	P-2SWH	T22WA-TSH	2	50	D	2000-01-01	2007-02-13	Y	N
19	3	AL 121	B	P-2SWH	T22WA-TSH	2	50	D	2002-01-01	2007-02-13	Y	N
19	3	AL 121	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
19	4	AL 122	A	P-2SWH	T22WA-TSH-C1	2	75	F	1959-01-01	1959-01-01	N	N
19	4	AL 122	B	P-2SWH	T22WA-TSH-C1	2	70	D	1981-01-01	1981-01-01	Y	N
19	4	AL 122	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
19	5	AL 123	A	P-2SWH	T22WA-TSH-C1	2	65	D	1973-01-01	1973-01-01	Y	N
19	5	AL 123	B	P-2SWH	T22WA-TSH-C1	2	65	D	2007-01-01	2010-05-21	Y	N
19	5	AL 123	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
19	6	AL 124	A	P-2SWH	22WA-WSH	2	75	D	2012-01-01	2012-08-17	Y	N
19	6	AL 124	B	P-2SWH	22WA-WSH	2	70	D	2012-01-01	2012-08-17	Y	N
19	6	AL 124	XA1	P-2SWH	22WA-WSH					1959-01-01	N	N
19	6	AL 124	XB1	P-2SWH	22WA-WSH						N	N
19	7	AL 125	A	P-2SWH	T23WE-AWH-H1	2	70	D	1981-01-01	1981-01-01	Y	N
19	7	AL 125	B	P-2SWH	T23WE-AWH-H1	2	65	F	1959-01-01	1959-01-01	N	N
19	7	AL 125	C	P-2SWH	T23WE-AWH-H1	2	60	F	1959-01-01	1959-01-01	N	N
19	7	AL 125	XA1	P-2SWH	T23WE-AWH-H1					1982-01-01	N	N
20	1	AL 126	A	P-2SWH	T22WA-TSH	2	50	D	1978-01-01	1978-01-01	Y	N
20	1	AL 126	B	P-2SWH	T22WA-TSH	2	50	D	2001-01-01	2004-05-05	Y	N
20	1	AL 126	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
20	1	AL 126	XB1	P-2SWH	T22WA-TSH						N	N
20	2	AL 127	A	P-2SWH	22WA-WSH	1	70	D	2015-01-01	2019-09-01	Y	N
20	2	AL 127	B	P-2SWH	22WA-WSH	1	70	D	2015-01-01	2019-09-01	Y	N
20	2	AL 127	XA1	P-2SWH	22WA-WSH				2019-01-01	2019-09-01	N	N
20	2	AL 127	XB1	P-2SWH	22WA-WSH					2019-09-02	N	N
20	3	AL 128	A	P-2SWH	23WG-WSH	2	75	D	2012-01-01	2012-06-29	Y	N
20	3	AL 128	B	P-2SWH	23WG-WSH	2	75	D	2012-01-01	2012-06-29	Y	N
20	3	AL 128	C	P-2SWH	23WG-WSH	2	80	D	2012-01-01	2012-06-29	Y	N
20	3	AL 128	XA1	P-2SWH	23WG-WSH					1987-08-01	N	N
20	4	AL 129	A	P-2SWH	22WA-WSH	1	65	D	2015-01-01	2018-09-01	Y	N
20	4	AL 129	B	P-2SWH	22WA-WSH	1	65	D	2016-01-01	2018-09-01	Y	N
20	4	AL 129	XA1	P-2SWH	22WA-WSH					2018-09-01	N	N
20	5	AL 130	A	P-2SWH	22WA-WSH-C1	2	85	D	2016-01-01	2018-09-01	Y	N
20	5	AL 130	B	P-2SWH	22WA-WSH-C1	2	85	D	2016-01-01	2018-09-01	Y	N
20	5	AL 130	XA1	P-2SWH	22WA-WSH-C1					1959-01-01	N	N
20	6	AL 131	A	P-2SWH	22WA-WSH-C1	2	80	D	2016-01-01	2018-09-01	Y	N
20	6	AL 131	B	P-2SWH	22WA-WSH-C1	2	80	D	2016-01-01	2018-09-01	Y	N
20	6	AL 131	XA1	P-2SWH	22WA-WSH-C1					1959-01-01	N	N
20	7	AL 132	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
20	7	AL 132	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
20	7	AL 132	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	1	AL 133	A	P-2SWH	T22WA-TSH	1	55	D	2015-01-01	2017-08-01	Y	N
21	1	AL 133	B	P-2SWH	T22WA-TSH	1	60	D	2016-01-01	2017-08-01	Y	N
21	1	AL 133	XA1	P-2SWH	T22WA-TSH					2017-08-01	N	N
21	1	AL 133	XB1	P-2SWH	T22WA-TSH						N	N
21	2	AL 134	A	P-2SWH	22WA-WSH	1	60	D	2016-01-01	2017-08-01	Y	N
21	2	AL 134	B	P-2SWH	22WA-WSH	1	65	D	2016-01-01	2017-08-01	Y	N
21	2	AL 134	XA1	P-2SWH	22WA-WSH					2018-09-01	N	N
21	2	AL 134	XB1	P-2SWH	22WA-WSH					2017-08-01	N	N
21	3	AL 135	A	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N
21	3	AL 135	B	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N
21	3	AL 135	C	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N
21	3	AL 135	XA1	P-2SWH	T23WE-AWH-H1					1959-01-01	N	N
21	4	AL 136	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
21	4	AL 136	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
21	4	AL 136	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	4	AL 136	XB1	P-2SWH	T22WA-TSH						N	N
21	5	AL 137	A	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N

21	5	AL 137	B	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N
21	5	AL 137	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	5	AL 137	XB1	P-2SWH	T22WA-TSH						N	N
21	6	AL 138	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
21	6	AL 138	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
21	6	AL 138	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	6	AL 138	XB1	P-2SWH	T22WA-TSH						N	N
21	7	AL 139	A	P-2SWH	T22WA-TSH	2	55	D	2002-01-01	2004-05-04	Y	N
21	7	AL 139	B	P-2SWH	T22WA-TSH	2	55	D	2002-01-01	2004-05-04	Y	N
21	7	AL 139	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	7	AL 139	XB1	P-2SWH	T22WA-TSH						N	N
21	8	AL 140	A	P-2SWH	T22WA-TSH	2	60	D	2001-01-01	2004-05-04	Y	N
21	8	AL 140	B	P-2SWH	T22WA-TSH	2	60	D	2000-01-01	2004-05-04	Y	N
21	8	AL 140	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
21	8	AL 140	XB1	P-2SWH	T22WA-TSH						N	N
21	9	AL 141	A	P-2SWH	23WC-WSH	1	55	D	2017-01-01	2019-09-01	Y	N
21	9	AL 141	B	P-2SWH	23WC-WSH	1	55	D	2015-01-01	2019-09-01	Y	N
21	9	AL 141	C	P-2SWH	23WC-WSH	1	60	D	2016-01-01	2019-09-01	Y	N
21	9	AL 141	XA1	P-2SWH	23WC-WSH					2018-09-01	N	N
22	1	AL 142	A	P-2SWH	22WA-WSH	1	55	D	2015-01-01	2017-08-01	Y	N
22	1	AL 142	B	P-2SWH	22WA-WSH	1	55	D	2015-01-01	2017-08-01	Y	N
22	1	AL 142	XA1	P-2SWH	22WA-WSH					2017-08-01	N	N
22	1	AL 142	XB1	P-2SWH	22WA-WSH					2017-08-02	N	N
22	2	AL 143	A	P-2SWH	22WA-WSH	1	60	D	2015-01-01	2017-08-01	Y	N
22	2	AL 143	B	P-2SWH	22WA-WSH	1	60	D	2015-01-01	2017-08-01	Y	N
22	2	AL 143	XA1	P-2SWH	22WA-WSH					2017-08-01	N	N
22	2	AL 143	XB1	P-2SWH	22WA-WSH					2017-08-02	N	N
22	3	AL 144	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N
22	3	AL 144	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
22	3	AL 144	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
22	3	AL 144	XB1	P-2SWH	T22WA-TSH						N	N
22	4	AL 145	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
22	4	AL 145	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
22	4	AL 145	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
22	4	AL 145	XB1	P-2SWH	T22WA-TSH						N	N
22	5	AL 146	A	P-2SWH	T23WB-SWH	2	55	F	1959-01-01	1959-01-01	N	N
22	5	AL 146	B	P-2SWH	T23WB-SWH	2	55	F	1959-01-01	1959-01-01	N	N
22	5	AL 146	C	P-2SWH	T23WB-SWH	2	55	F	1959-01-01	1959-01-01	N	N
22	5	AL 146	XA1	P-2SWH	T23WB-SWH					1980-01-01	N	N
22	6	AL 147	A	P-2SWH	23WE-WSH	2	50	D	2016-01-01	2018-09-01	Y	N
22	6	AL 147	B	P-2SWH	23WE-WSH	2	50	D	2016-01-01	2018-09-01	Y	N
22	6	AL 147	C	P-2SWH	23WE-WSH	2	55	D	2016-01-01	2018-09-01	Y	N
22	6	AL 147	XA1	P-2SWH	23WE-WSH					2018-09-02	N	N
22	7	AL 148	A	P-2SWH	23WE-WSH	2	60	D	2016-01-01	2018-09-01	Y	N
22	7	AL 148	B	P-2SWH	23WE-WSH	2	65	D	2016-01-01	2018-09-01	Y	N
22	7	AL 148	C	P-2SWH	23WE-WSH	2	70	D	2016-01-01	2018-09-01	Y	N
22	7	AL 148	XA1	P-2SWH	23WE-WSH					2018-09-02	N	N
22	7	AL 148	XB1	P-2SWH	23WE-WSH					2018-09-03	Y	N
23	1	AL 149	A	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N
23	1	AL 149	B	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N
23	1	AL 149	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
23	1	AL 149	XB1	P-2SWH	T22WA-TSH						N	N
23	2	AL 150	A	P-2SWH	T22WA-TSH-C1	2	60	N	1992-01-01	1993-09-09	N	N
23	2	AL 150	B	P-2SWH	T22WA-TSH-C1	2	60	F	1959-01-01	1959-01-01	N	N
23	2	AL 150	XA1	P-2SWH	T22WA-TSH-C1					1959-01-01	N	N
23	3	AL 151	A	P-2SWH	T23WC-SWH-H2	2	70	F	1959-01-01	1959-01-01	N	N
23	3	AL 151	B	P-2SWH	T23WC-SWH-H2	2	70	D	2009-01-01	2010-05-14	Y	N
23	3	AL 151	C	P-2SWH	T23WC-SWH-H2	2	70	N	1992-01-01	1993-09-09	N	N
23	3	AL 151	XA1	P-2SWH	T23WC-SWH-H2					1985-01-01	N	N
23	4	AL 152	A	P-2SWH	23WE-WSH	2	55	D	2016-01-01	2018-09-01	Y	N
23	4	AL 152	B	P-2SWH	23WE-WSH	2	55	D	2016-01-01	2018-09-01	Y	N
23	4	AL 152	C	P-2SWH	23WE-WSH	2	55	D	2016-01-01	2018-09-01	Y	N
23	4	AL 152	XA1	P-2SWH	23WE-WSH					1985-01-01	N	N
23	5	AL 153	A	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N
23	5	AL 153	B	P-2SWH	T23WE-AWH-H1	2	55	D	1982-01-01	1982-01-01	Y	N
23	5	AL 153	C	P-2SWH	T23WE-AWH-H1	2	60	F	1959-01-01	1959-01-01	N	N
23	5	AL 153	XA1	P-2SWH	T23WE-AWH-H1					1982-01-01	N	N
23	6	AL 154	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
23	6	AL 154	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
23	6	AL 154	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
23	7	AL 155	A	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
23	7	AL 155	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N
23	7	AL 155	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N
23	8	AL 156	A	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
23	8	AL 156	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N
23	8	AL 156	XA1	P-2SWH	T22WA-TSH					1959-01-01	N	N



23	8	AL 156	XB1	P-2SWH	T22WA-TSH						N	N			
24	1	AL 157	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	1	AL 157	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	1	AL 157	XA1	P-2SWH	T22WA-TSH						1959-01-01	N	N		
24	1	AL 157	XB1	P-2SWH	T22WA-TSH							N	N		
24	2	AL 158	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	2	AL 158	B	P-2SWH	T22WA-TSH	2	55	F	1959-01-01	1959-01-01	N	N			
24	2	AL 158	XA1	P-2SWH	T22WA-TSH							1959-01-01	N	N	
24	2	AL 158	XB1	P-2SWH	T22WA-TSH								N	N	
24	3	AL 159	A	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N			
24	3	AL 159	B	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N			
24	3	AL 159	C	P-2SWH	T23WE-AWH-H1	2	50	F	1959-01-01	1959-01-01	N	N			
24	3	AL 159	XA1	P-2SWH	T23WE-AWH-H1							1959-01-01	N	N	
24	3	AL 159	XB1	P-2SWH	T23WE-AWH-H1								N	N	
24	4	AL 160	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	4	AL 160	B	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	4	AL 160	XA1	P-2SWH	T22WA-TSH							1959-01-01	N	N	
24	4	AL 160	XB1	P-2SWH	T22WA-TSH								N	N	
24	5	AL 161	A	P-2SWH	T22WA-TSH	2	55	D	1982-01-01	1982-01-01	Y	N			
24	5	AL 161	B	P-2SWH	T22WA-TSH	2	60	N	1992-01-01	1993-09-09	N	N			
24	5	AL 161	XA1	P-2SWH	T22WA-TSH							1959-01-01	N	N	
24	5	AL 161	XB1	P-2SWH	T22WA-TSH								N	N	
24	6	AL 162	A	P-2SWH	T22WA-TSH	2	55	D	2008-01-01	2010-05-20	Y	N			
24	6	AL 162	B	P-2SWH	T22WA-TSH	2	60	D	2009-01-01	2010-05-20	Y	N			
24	6	AL 162	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
24	6	AL 162	XB1	P-2SWH	T22WA-TSH								N	N	
24	7	AL 163	A	P-2SWH	T22WA-TSH	2	50	F	1959-01-01	1959-01-01	N	N			
24	7	AL 163	B	P-2SWH	T22WA-TSH	2	55	D	2001-01-01	2002-05-22	Y	N			
24	7	AL 163	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
24	7	AL 163	XB1	P-2SWH	T22WA-TSH								N	N	
24	8	AL 164	A	P-2SWH	T22WA-TSH	2	55	D	2000-01-01	2002-04-26	Y	N			
24	8	AL 164	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N			
24	8	AL 164	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
24	8	AL 164	XB1	P-2SWH	T22WA-TSH								N	N	
25	1	AL 165	A	P-2SWH	23WC-WSH	2	50	D	2000-01-01	2002-04-24	Y	N			
25	1	AL 165	B	P-2SWH	23WC-WSH	2	50	D	2010-01-01	2012-06-20	Y	N			
25	1	AL 165	C	P-2SWH	23WC-WSH	2	50	D	2010-01-01	2012-06-20	Y	N			
25	1	AL 165	XA1	P-2SWH	23WC-WSH								1959-01-01	N	N
25	2	AL 166	A	P-2SWH	T22WA-TSH	2	75	F	1959-01-01	1959-01-01	N	N			
25	2	AL 166	B	P-2SWH	T22WA-TSH	2	75	D	1988-01-01	1990-08-07	Y	N			
25	2	AL 166	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
25	3	AL 167	A	P-2SWH	T22WA-TSH	2	75	D	1988-01-01	1992-04-15	Y	N			
25	3	AL 167	B	P-2SWH	T22WA-TSH	2	75	D	1975-01-01	1975-01-01	Y	N			
25	3	AL 167	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
25	4	AL 168	A	P-2SWH	T23WC-SWH	2	65	D	2001-01-01	2002-04-24	Y	N			
25	4	AL 168	B	P-2SWH	T23WC-SWH	2	65	D	1971-01-01	1971-01-01	Y	N			
25	4	AL 168	C	P-2SWH	T23WC-SWH	2	65	D	1971-01-01	1971-01-01	Y	N			
25	4	AL 168	XA1	P-2SWH	T23WC-SWH								1980-01-01	N	N
25	5	AL 169	A	P-2SWH	T22WA-TSH	2	65	P	1972-01-01	1972-01-01	N	N			
25	5	AL 169	B	P-2SWH	T22WA-TSH	2	70	D	1970-01-01	1970-01-01	Y	N			
25	5	AL 169	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
25	5	AL 169	XB1	P-2SWH	T22WA-TSH								N	N	
25	6	AL 170	A	P-2SWH	T23WC-SWH	2	70	D	2001-01-01	2002-05-21	Y	N			
25	6	AL 170	B	P-2SWH	T23WC-SWH	2	70	D	2001-01-01	2002-05-21	Y	N			
25	6	AL 170	C	P-2SWH	T23WC-SWH	2	70	D	2001-01-01	2002-05-21	Y	N			
25	6	AL 170	XA1	P-2SWH	T23WC-SWH								1980-01-01	N	N
25	7	AL 171	A	P-2SWH	T22WA-TSH	2	75	F	1959-01-01	1959-01-01	N	N			
25	7	AL 171	B	P-2SWH	T22WA-TSH	2	75	F	1959-01-01	1959-01-01	N	N			
25	7	AL 171	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
25	8	AL 172	A	P-2SWH	T22WA-TSH	2	80	D	1985-01-01	1985-01-01	Y	N			
25	8	AL 172	B	P-2SWH	T22WA-TSH	2	80	F	1959-01-01	1959-01-01	N	N			
25	8	AL 172	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
26	1	AL 173	A	P-2SWH	22WA-WSH	2	75	D	2012-01-01	2012-06-19	Y	N			
26	1	AL 173	B	P-2SWH	22WA-WSH	2	75	D	2012-01-01	2012-06-19	Y	N			
26	1	AL 173	XA1	P-2SWH	22WA-WSH								2012-06-19	N	N
26	1	AL 173	XB1	P-2SWH	22WA-WSH								N	N	
26	2	AL 174	A	P-2SWH	T22WA-TSH	2	65	D	1972-01-01	1972-01-01	Y	N			
26	2	AL 174	B	P-2SWH	T22WA-TSH	2	65	D	2002-01-01	2004-05-03	Y	N			
26	2	AL 174	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
26	2	AL 174	XB1	P-2SWH	T22WA-TSH								N	N	
26	3	AL 175	A	P-2SWH	T22WA-TSH	2	65	F	1959-01-01	1959-01-01	N	N			
26	3	AL 175	B	P-2SWH	T22WA-TSH	2	65	D	1971-01-01	1971-01-01	Y	N			
26	3	AL 175	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N
26	4	AL 176	A	P-2SWH	T22WA-TSH	2	60	D	2009-01-01	2010-05-12	Y	N			
26	4	AL 176	B	P-2SWH	T22WA-TSH	2	60	D	2008-01-01	2010-05-12	Y	N			
26	4	AL 176	XA1	P-2SWH	T22WA-TSH								1959-01-01	N	N

26	4	AL 176	XB1	P-2SWH	T22WA-TSH						N	N	
26	5	AL 177	A	P-2SWH	T22WA-TSH	2	60	D	2009-01-01	2010-05-11	Y	N	
26	5	AL 177	B	P-2SWH	T22WA-TSH	2	60	D	2009-01-01	2010-05-11	Y	N	
26	5	AL 177	XA1	P-2SWH	T22WA-TSH						1959-01-01	N	N
26	5	AL 177	XB1	P-2SWH	T22WA-TSH							N	N
26	6	AL 178	A	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N	
26	6	AL 178	B	P-2SWH	T22WA-TSH	2	60	F	1959-01-01	1959-01-01	N	N	
26	6	AL 178	XA1	P-2SWH	T22WA-TSH						1959-01-01	N	N
26	6	AL 178	XB1	P-2SWH	T22WA-TSH							N	N
26	7	AL 179	A	P-2SWH	22WA-WSH		70	D	2016-01-01	2018-09-01	Y	N	
26	7	AL 179	B	P-2SWH	22WA-WSH		70	D	2016-01-01	2017-08-01	Y	N	
26	7	AL 179	XA1	P-2SWH	22WA-WSH						2017-08-01	N	N
26	7	AL 179	XB1	P-2SWH	22WA-WSH						2017-08-01	N	N
26	8	AL 180	A	P-2SWH	22WA-WSH	1	70	D	2015-01-01	2017-08-01	Y	N	
26	8	AL 180	B	P-2SWH	22WA-WSH	1	70	D	2016-01-01	2017-08-01	Y	N	
26	8	AL 180	XA1	P-2SWH	22WA-WSH						2017-08-01	N	N
26	8	AL 180	XB1	P-2SWH	22WA-WSH						2017-08-01	N	N
27	1	AL 181	A	P-2SWH	T23WE-AWH-H1	2	60	D	1989-01-01	1990-08-08	Y	N	
27	1	AL 181	B	P-2SWH	T23WE-AWH-H1	2	60	D	1988-01-01	1990-07-12	Y	N	
27	1	AL 181	C	P-2SWH	T23WE-AWH-H1	2	70	D	1975-01-01	1975-01-01	Y	N	
27	1	AL 181	XA1	P-2SWH	T23WE-AWH-H1						1975-01-01	N	N
27	2	AL 182	A	P-2SWH	22WA-WSH	2	50	D	2012-01-01	2012-06-18	Y	N	
27	2	AL 182	B	P-2SWH	22WA-WSH	2	55	D	2008-01-01	2012-06-18	Y	N	
27	2	AL 182	XA1	P-2SWH	22WA-WSH						2012-06-18	N	N
27	3	AL 183	A	P-2SWH	22WA-WSH	2	55	D	2016-01-01	2018-09-01	Y	N	
27	3	AL 183	B	P-2SWH	22WA-WSH	2	60	D	2016-01-01	2018-09-01	Y	N	
27	3	AL 183	XA1	P-2SWH	22WA-WSH						2018-09-02	N	N
27	4	AL 184	A	P-2SWH	T23WC-SWH-U2	2	60	D	2009-01-01	2010-05-12	Y	N	
27	4	AL 184	B	P-2SWH	T23WC-SWH-U2	2	60	D	2008-01-01	2010-05-12	Y	N	
27	4	AL 184	C	P-2SWH	T23WC-SWH-U2	2	60	D	1992-01-01	1997-06-26	Y	N	
27	4	AL 184	XA1	P-2SWH	T23WC-SWH-U2						1985-01-01	N	N
27	5	AL 185	A	P-2SWH	T22WA-TSH	2	55	D	2007-01-01	2010-05-13	Y	N	
27	5	AL 185	B	P-2SWH	T22WA-TSH	2	55	N	1993-01-01	1994-05-19	N	N	
27	5	AL 185	XA1	P-2SWH	T22WA-TSH						1959-01-01	N	N
27	5	AL 185	XB1	P-2SWH	T22WA-TSH							N	N
27	6	AL 186	A	P-2SWH	23WF-WSH	2	40	D	2016-01-01	2018-09-01	Y	N	
27	6	AL 186	B	P-2SWH	23WF-WSH	2	45	D	2009-01-01	2019-09-01	Y	N	
27	6	AL 186	C	P-2SWH	23WF-WSH	2	50	D	2008-01-01	2019-09-01	Y	N	
27	6	AL 186	XA1	P-2SWH	23WF-WSH						2019-09-02	N	N
27	7	AL 187	A	P-2SWH	T22WA-TSH	2	60	D	1995-01-01	1996-07-01	Y	N	
27	7	AL 187	B	P-2SWH	T22WA-TSH	2	60	N	1959-01-01	1960-07-01	N	N	
27	7	AL 187	XA1	P-2SWH	T22WA-TSH						1992-06-10	N	N
27	7	AL 187	XB1	P-2SWH	T22WA-TSH							N	N
27	8	AL 188	A	P-2SWH	T22WA-TSH	2	70	F	1959-01-01	1959-01-01	N	N	
27	8	AL 188	B	P-2SWH	T22WA-TSH	2	70	D	1981-01-01	1981-01-01	Y	N	
27	8	AL 188	XA1	P-2SWH	T22WA-TSH						1959-01-01	N	N
27	9	AL 189	A	P-2SWH	T23WE-AWH-H1	2	75	D	2007-01-01	2010-05-13	Y	N	
27	9	AL 189	B	P-2SWH	T23WE-AWH-H1	2	75	D	1972-01-01	1972-01-01	Y	N	
27	9	AL 189	C	P-2SWH	T23WE-AWH-H1	2	75	F	1959-01-01	1959-01-01	N	N	
27	9	AL 189	XA1	P-2SWH	T23WE-AWH-H1						1984-01-01	N	N
27	10	BEK 190	A	OLP2	OLP2-N		103	X	2018-01-01	2018-01-01	N	N	

Mile	No.					
	15	3				some charring around l
18	3	A,B,C chard				
18	5	A, B chard				
19	2	A,B chard				
19	3	A, B chard				
19	4	A, B chard				
19	5	A, B chard				
19	7	A, B, C chard				
24	8	A,B chard -ants				
25	2	A,B chard				
25	3	A,B chard				
25	4	A,B chard,C pole ok				
25	5	A,B chard				

6	2					priority 1 & 2 (Pole History Sheet) S
	10	3				A1 (Pole History Sheet)
	10	5				A1 (Pole History Sheet)
	15	9				A1 (Pole History Sheet)
	16	6				A1 (Pole History Sheet)
	16	7				A1 (Pole History Sheet)
	16	8				A1 (Pole History Sheet)
	17	2				A1 (Pole History Sheet)
	18	3				C2 (Pole History Sheet) CF
	19	5				A2 (Pole History Sheet) CF
	19	7				FH1 (Pole History Sheet) C
	20	7				A1 (Pole History Sheet) CF
	21	4				A1 (Pole History Sheet) CF
	21	5				A1 (Pole History Sheet) C
	22	3				A1 (Pole History Sheet) C
	22	4				A1 (Pole History Sheet) C
	24	4				A1 (Pole History Sheet) CF
	25	5				A1 (Pole History Sheet)
	25	8	80	80		A1 (Pole History Sheet) CF
	26	2				A1 (Pole History Sheet) BI
	26	4				A1 priority 1 (Pole History !
	26	6				A1 (Pole History Sheet)
	27	8				WA1 priority 2 (Pole History !

base and up the cracks

31-6684GL 4684AG S3-5424-GL


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3heet) FEEDER CONES

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3heet) A-9499-GL

Line Name	Mile	Str	Pos	Class	Mfr Date	Install Date	WPRC	Str Type	GLHR Sonic	GLHR Q1	GLHR Q2	GLHR Q3
Cougar- Holden Creek No 1	6	2	S1	2	01/01/1965	01/01/1965	2	10SW		6	6	8
Cougar- Holden Creek No 1	6	2	S3	2	01/01/1965	01/01/1965	1	10SW		5	4	2
Cougar- Holden Creek No 1	10	1	B	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		7	9	9
Cougar- Holden Creek No 1	10	1	C	2	01/01/1959	01/01/1959		T23WE- AWH-H1		9		
Cougar- Holden Creek No 1	10	2	A	2	01/01/1995	07/07/1995		T23WE- AWH-H1	Good			
Cougar- Holden Creek No 1	10	2	C	2	01/01/1959	01/01/1959		T23WE- AWH-H1		9		
Cougar- Holden Creek No 1	10	3	A	2	01/01/1977	01/01/1982		T22WA-TSH	Good			
Cougar- Holden Creek No 1	10	5	A	2	01/01/1959	01/01/1959		T22WA-TSH				
Cougar- Holden Creek No 1	10	5	B	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	11	5	A	2	01/01/1959	01/01/1959	2	T22WA-TSH		4	4	5
Cougar- Holden Creek No 1	11	6	A	2	01/01/1975	01/01/1975		T23WE- AWH-H1	Good			
Cougar- Holden Creek No 1	11	6	B	2	01/01/1975	01/01/1975	1	T23WE- AWH-H1	Bad			
Cougar- Holden Creek No 1	11	6	C	2	01/01/1971	01/01/1971		T23WE- AWH-H1		9		
Cougar- Holden Creek No 1	12	4	B	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		4	4	4
Cougar- Holden Creek No 1	15	7	A	2	01/01/1959	01/01/1959		T22WA-TSH			9	
Cougar- Holden Creek No 1	15	7	B	2	01/01/1959	01/01/1959		T22WA-TSH			9	

Cougar- Holden Creek No 1	15	9	A	2	01/01/1959	01/01/1959		T22WA-TSH				9
Cougar- Holden Creek No 1	16	2	A	2	01/01/1959	01/01/1959	2	T22WA-TSH			9	
Cougar- Holden Creek No 1	16	2	B	2	01/01/1959	01/01/1959	2	T22WA-TSH		9		
Cougar- Holden Creek No 1	16	6	B	2	01/01/1959	01/01/1959		T22WA-TSH			9	
Cougar- Holden Creek No 1	16	7	B	2	01/01/1959	01/01/1959		T22WA-TSH			9	
Cougar- Holden Creek No 1	16	8	A	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	16	9	C	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		5	5	8
Cougar- Holden Creek No 1	16	10	B	2	01/01/1959	01/01/1959		T22WA-TSH- C1		9		
Cougar- Holden Creek No 1	17	1	A	2	01/01/1959	01/01/1959		T23WC- SWH		9		
Cougar- Holden Creek No 1	17	2	A	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	17	2	B	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	17	6	A	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	17	6	B	2	01/01/1959	01/01/1959		T22WA-TSH				9
Cougar- Holden Creek No 1	17	9	A	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	17	9	B	2	01/01/1959	01/01/1959	2	T22WA-TSH		7	8	8
Cougar- Holden Creek No 1	18	1	A	2	01/01/1959	01/01/1959		T23WE- AWH-H1		9		
Cougar- Holden Creek No 1	18	3	A	2	01/01/1959	01/01/1959		T23WC- SWH-H2		9		

Cougar- Holden Creek No 1	18	3	B	2	01/01/1959	01/01/1959		T23WC- SWH-H2		9			
Cougar- Holden Creek No 1	18	6	A	2	01/01/1984	01/01/1984		T22WA-TSH		9			
Cougar- Holden Creek No 1	18	8	B	2	01/01/1959	01/01/1959		T22WA-TSH- C1		9			
Cougar- Holden Creek No 1	19	1	C	2	01/01/1959	01/01/1959		T23WE- AWH-H1		9			
Cougar- Holden Creek No 1	19	5	A	2	01/01/1973	01/01/1973		T22WA-TSH- C1	Good				
Cougar- Holden Creek No 1	19	7	B	2	01/01/1959	01/01/1959		T23WE- AWH-H1		9			
Cougar- Holden Creek No 1	20	6	A	2	01/01/2016	09/01/2018	1	T22WA-TSH		2	2	3	
Cougar- Holden Creek No 1	20	6	B	2	01/01/2016	09/01/2018	2	T22WA-TSH		4	9	6	
Cougar- Holden Creek No 1	20	7	A	2	01/01/1959	01/01/1959		T22WA-TSH			9		
Cougar- Holden Creek No 1	20	7	B	2	01/01/1959	01/01/1959		T22WA-TSH		9	9		
Cougar- Holden Creek No 1	21	1	B	1	01/01/2016	08/01/2017	2	T22WA-TSH		6	9	9	
Cougar- Holden Creek No 1	21	3	B	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		9	7	9	
Cougar- Holden Creek No 1	21	4	A	2	01/01/1959	01/01/1959		T22WA-TSH			9		
Cougar- Holden Creek No 1	21	5	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	21	5	B	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	21	6	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			

Cougar- Holden Creek No 1	21	6	B	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	22	3	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	22	3	B	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	22	4	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	22	4	B	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	22	5	A	2	01/01/1959	01/01/1959		T23WB- SWH		9			
Cougar- Holden Creek No 1	23	3	A	2	01/01/1959	01/01/1959		T23WC- SWH-H2		9			
Cougar- Holden Creek No 1	23	5	A	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		8	7	7	
Cougar- Holden Creek No 1	23	5	C	2	01/01/1959	01/01/1959	2	T23WE- AWH-H1		9	7	8	
Cougar- Holden Creek No 1	23	6	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	24	2	A	2	01/01/1959	01/01/1959	1	T22WA-TSH		9			
Cougar- Holden Creek No 1	24	4	A	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	24	4	B	2	01/01/1959	01/01/1959		T22WA-TSH		9			
Cougar- Holden Creek No 1	25	3	B	2	01/01/1975	01/01/1975	1	T22WA-TSH	Good				
Cougar- Holden Creek No 1	25	5	A	2	01/01/1972	01/01/1972		T22WA-TSH		9			
Cougar- Holden Creek No 1	25	5	B	2	01/01/1970	01/01/1970		T22WA-TSH	Good				
Cougar- Holden Creek No 1	25	7	A	2	01/01/1959	01/01/1959	1	T22WA-TSH		9			



Cougar- Holden Creek No 1	25	7	B	2	01/01/1959	01/01/1959	2	T22WA-TSH		5	6	7
Cougar- Holden Creek No 1	25	8	B	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	26	2	A	2	01/01/1972	01/01/1972		T22WA-TSH	Good			
Cougar- Holden Creek No 1	26	3	A	2	01/01/1959	01/01/1959	2	T22WA-TSH		8	8	8
Cougar- Holden Creek No 1	26	4	B	2	01/01/2008	05/12/2010	1	T22WA-TSH				
Cougar- Holden Creek No 1	26	6	A	2	01/01/1959	01/01/1959		T22WA-TSH		9		
Cougar- Holden Creek No 1	26	6	B	2	01/01/1959	01/01/1959		T22WA-TSH			9	
Cougar- Holden Creek No 1	27	8	A	2	01/01/1959	01/01/1959	2	T22WA-TSH		9	4	9
Holden Creek- Thurston No 1	12	5	A	2	01/01/1968	01/01/1968		T23WE- AWH-H1		9		
Holden Creek- Thurston No 1	12	5	B	2	01/01/1968	01/01/1968		T23WE- AWH-H1				9
Holden Creek- Thurston No 1	12	5	C	2	01/01/1968	01/01/1968		T23WE- AWH-H1				

GLHR Q4	GLHR Notes	AGHR Sonic	AGHR Q1	AGHR Q2	AGHR Q3	AGHR Q4	AGHR Ht	AGHR Treat	AGHR Notes	AGHR Insp Date	PTHR Top Dma	PTHR Dpth
4			4	6	8	4				12/02/2009		0
4												0
9		Good					99			01/01/1985		0
		Good					99			01/01/1985		0
												0
		Good					99			01/01/1985		0
												0
9		Good					99			01/01/1982		0
		Good					99			01/01/1982		0
4				9			3			11/30/2004		0
		Good					99			12/01/1985		0
		Good					99			12/01/1985		0
		Good					99			12/01/1985		0
4			8	8	8	9	3			11/30/2004		0
		Good					99			01/01/1982		0
		Good					99			01/01/1982		0

		Good				99			01/01/1982	0
			8	8	8	8	4		11/04/2014	0
			5	9	9	5	6		11/04/2014	0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
7			4	7	7	5	1	0.40	05/08/2008	0
		Good				99			01/01/1982	0
										0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
		Good				99			01/01/1982	0
7		Good				99			01/01/1982	0
										0
		Good				99			01/01/1982	0

		Good					99			01/01/1982	0
											0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
											0
		Good					99			01/01/1982	0
2			7	9	9	9	0			02/24/2004	0
3			9				3			02/24/2004	0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
7	Lots of Bups about 3-5' above GL still sounds solid										
7		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0
		Good					99			01/01/1982	0

		Good				99			01/01/1982		0
		Good				99			01/01/1982		0
		Good				99			01/01/1982		0
		Good				99			01/01/1982		0
		Good				99			01/01/1982		0
		Good				99			01/01/1985		0
											0
7		Good				0			01/26/2010		0
7		Good				99			01/01/1985		0
		Good				99			01/01/1982		0
			9			4			01/01/1987		0
		Good				99			01/01/1982		0
		Good				99			01/01/1982		0
		Good				0			12/16/2009		0
		Good				99			01/01/1985		0
		Good				99			01/01/1985		0
			9			1			03/18/2009		0

7			9			2		01/01/1982		0
	Good					99		01/01/1982		0
										0
8	Good	8	9	7	8	7		03/10/2020		0
	Good					99		01/01/1982		0
	Good					99		01/01/1982		0
9			9			2		01/05/1994	None	0
	Good					99		01/01/1983		0
	Good					99		01/01/1983		0
9	Good					99		01/01/1983		0

PTHR Dia	PTHR Vol	PTHR Treat	PTHR Notes	PTHR Insp Date	Shell Rot	Crack	Insect	Bird	Bird Dmg at Ht	Bird Width	Bird Ht	Bird Dpth
0	0			12/10/2014	A	A	A	A				
0	0			12/02/2009	A	A	A	A				
0	0.0			12/10/2014	A	B	B	A				
0	0.0			12/10/2014	A	B	A	A				
0	0.0			11/04/2014	A	B	A	A				
0	0.0			11/04/2014	A	B	A	A				
0	0.0			01/23/2012	A	B	A	A				
0	0.0			04/21/2015	A	B	A	A				
0	0.0			04/21/2015	A	B	A	A				
0	0.0			12/15/2009	A	B	A	A				
0	0.0			04/16/2015	B	B	B	A				
0	0.0			04/16/2015	B	A	D	A				
0	0.0			04/16/2015	B	A	A	A				
0	0.0			01/14/2015	A	A	B	A				
0	0.0			04/15/2015	A	B	A	A				
0	0.0			04/15/2015	A	B	B	A				

0	0.0		04/15/2015	A	B	A	A					
0	0.0		11/04/2014	A	A	B	A					
0	0.0		11/04/2014	A	A	B	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		04/21/2015	A	B	A	B					
0	0.0		04/21/2015	A	B	B	A					
0	0.0		04/24/2015	A	B	B	A					
0	0.0		04/24/2015	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					
0	0.0		01/15/2010	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					
0	0.0		12/11/2014	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					



0	0.0		04/24/2015	A	B	A	A					
0	0.0		03/06/2014	B	A	A	A					
0	0.0		01/18/2011	A	B	A	A					
0	0.0		05/04/2015	A	B	A	A					
0	0.0		05/21/2010	A	B	A	A					
0	0.0		05/04/2015	A	B	A	A					
0	0.0		12/15/2014	A	A	B	B					
0	0.0		01/21/2010	A	B	A	A					
0	0.0		01/21/2010	A	B	A	A					
0	0.0		04/24/2015	A	B	A	A					
						B						
0	0.0		04/15/2015	A	A	A	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		04/15/2015	A	B	A	B					
0	0.0		04/15/2015	A	B	A	B					
0	0.0		04/15/2015	A	B	B	A					

0	0.0		04/15/2015	A	B	B	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		01/22/2010	A	B	A	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		04/15/2015	A	B	A	A					
0	0.0		12/15/2014	A	A	B	A					
0	0.0		01/14/2015	A	B	A	A					
0	0.0		01/26/2010	A	A	A	A					
0	0.0		04/13/2015	A	A	A	A					
0	0.0		04/13/2015	A	B	A	B					
0	0.0		12/16/2009	A	B	D	A					
0	0.0		04/25/2012	A	B	A	A					
0	0.0		04/25/2012	A	B	A	A					
0	0.0		12/16/2009	A	A	A	C	15	3	33		
0	0.0		01/20/2015	A	B	B	A					
0	0.0		01/20/2015	A	A	A	B					
0	0.0		12/16/2009	A	A	A	C	35	3	4	5	

0	0.0			12/16/2009	A	A	A	A				
0	0.0			04/11/2013	A	B	A	A				
0	0.0			04/11/2013	A	A	A	B				
0	0.0			12/17/2009	A	A	A	A				
								C	35	3	3	2
0	0.0			12/21/2011	A	B	A	A				
0	0.0			12/21/2011	A	B	A	B				
0	0.0			01/30/2020	A	B	A	A				
0	0.0			04/18/2013	A	B	A	A				
0	0.0			04/18/2013	A	B	A	A				
0	0.0			04/18/2013	A	B	A	A				

<b>Fire</b>	<b>Other</b>	<b>Other Notes</b>	<b>SCIBFO Insp Date</b>
A	A		12/02/2009
A	A		12/02/2009
A	A		12/10/2014
A	A		12/10/2014
A			11/04/2014
A	A		11/04/2014
A	A		01/23/2012
A	A		04/21/2015
A	A		04/21/2015
A	A		12/15/2009
A	A		04/16/2015
A	A		03/03/2020
A	A		04/16/2015
A	A		01/14/2015
A	A		04/15/2015
A	A		04/15/2015

A	A	04/15/2015
A	A	11/04/2014
A	B	11/04/2014
A	A	04/15/2015
A	A	04/15/2015
A	A	04/15/2015
A	A	04/21/2015
A	A	04/21/2015
A		04/24/2015
A		04/24/2015
A	A	04/24/2015
A	A	01/15/2010
A	A	04/24/2015
A	A	04/24/2015
A	A	04/24/2015
A	A	12/11/2014
A	A	04/24/2015

A	A		04/24/2015
A			03/06/2014
A	A		01/18/2011
A	A		05/04/2015
A	A		02/20/2009
A	A		05/04/2015
A	A		12/15/2014
A	A		02/24/2004
A	A		03/03/2009
A	A		04/24/2015
			12/13/2018
A			04/15/2015
A	A		04/15/2015
A	A		04/15/2015
A	A		04/15/2015
A	A		04/15/2015

A	A		04/15/2015
A	A		04/15/2015
A	A		01/22/2010
A	A		04/15/2015
A	A		04/15/2015
A	A		12/15/2014
A	A		01/14/2015
A	A		01/26/2010
A	A		01/01/1985
A	A		04/13/2015
A	A		03/05/2020
A	A		04/25/2012
A	A		04/25/2012
A			03/10/2020
A	A		01/20/2015
A	A		01/20/2015
A	A		03/22/2017

A	A		12/17/1991
A	A		02/13/2014
A			04/11/2013
A	A		12/17/2009
		two feeder cones below top x-brace one feeder cone below bottom x- brace	04/04/2016
A	A		12/21/2011
A	A		12/21/2011
A	A		01/30/2020
A	A		04/18/2013
A	A		04/18/2013
A	A		04/18/2013



<b>Read Count (OTF)</b>	<b>Prompt</b>	<b>Read Value</b>
1	Bird Damage	B
1	Bird Damage	B
2	Bird Damage	B
1	Bird Damage	B
1	Bird Damage	B
1	Bird Damage	B
1	Bird Damage	B
1	Bird Damage	B
1	Bird Damage	C
1	Bird Damage	C
1	Bird Damage	C
2	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B
1	Crack Damage	B
2	Crack Damage	B
1	Crack Damage	B

1 Crack Damage	B
1 Crack Damage	B
2 Crack Damage	B
1 Crack Damage	B
1 Crack Damage	B
2 Crack Damage	B
1 Crack Damage	B
3 Crack Damage	B
1 GLHR SonicTest	Bad
1 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
2 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
2 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	B
1 Insect Damage	D
1 Insect Damage	D
1 Other Damage	B
1 Other Damage	B
1 Other Damage	D
3 Shell Rot Damage	B
1 Shell Rot Damage	B

Line Name	Mile	Str	End Date
Cougar-Holden Creek No 1	16	9	4/21/2015 0:00
Cougar-Holden Creek No 1	20	6	12/15/2014 0:00
Cougar-Holden Creek No 1	21	5	4/15/2015 0:00
Cougar-Holden Creek No 1	23	6	4/13/2015 0:00
Cougar-Holden Creek No 1	25	5	1/20/2015 0:00
Cougar-Holden Creek No 1	25	7	12/16/2009 0:00
Cougar-Holden Creek No 1	26	2	4/11/2013 0:00
Cougar-Holden Creek No 1	26	6	12/21/2011 0:00
Cougar-Holden Creek No 1	25	3	3/10/2020 0:00
Cougar-Holden Creek No 1	25	7	3/22/2017 0:00
Cougar-Holden Creek No 1	26	4	4/4/2016 0:00
Cougar-Holden Creek No 1	10	1	12/10/2014 0:00
Cougar-Holden Creek No 1	10	2	11/4/2014 0:00
Cougar-Holden Creek No 1	10	3	1/23/2012 0:00
Cougar-Holden Creek No 1	10	5	4/21/2015 0:00
Cougar-Holden Creek No 1	11	5	12/15/2009 0:00
Cougar-Holden Creek No 1	11	6	4/16/2015 0:00
Cougar-Holden Creek No 1	15	7	4/15/2015 0:00
Cougar-Holden Creek No 1	15	9	4/15/2015 0:00
Cougar-Holden Creek No 1	16	6	4/15/2015 0:00
Cougar-Holden Creek No 1	16	7	4/15/2015 0:00
Cougar-Holden Creek No 1	16	8	4/15/2015 0:00
Cougar-Holden Creek No 1	16	9	4/21/2015 0:00
Cougar-Holden Creek No 1	16	10	4/21/2015 0:00
Cougar-Holden Creek No 1	17	1	4/24/2015 0:00
Cougar-Holden Creek No 1	17	2	4/24/2015 0:00
Cougar-Holden Creek No 1	17	6	1/15/2010 0:00
Cougar-Holden Creek No 1	17	6	4/24/2015 0:00
Cougar-Holden Creek No 1	17	9	4/24/2015 0:00
Cougar-Holden Creek No 1	18	1	12/11/2014 0:00
Cougar-Holden Creek No 1	18	3	4/24/2015 0:00
Cougar-Holden Creek No 1	18	8	1/18/2011 0:00
Cougar-Holden Creek No 1	19	1	5/4/2015 0:00
Cougar-Holden Creek No 1	19	5	2/20/2009 0:00
Cougar-Holden Creek No 1	19	7	5/4/2015 0:00
Cougar-Holden Creek No 1	20	6	2/24/2004 0:00
Cougar-Holden Creek No 1	20	7	3/3/2009 0:00
Cougar-Holden Creek No 1	20	7	4/24/2015 0:00
Cougar-Holden Creek No 1	21	4	4/15/2015 0:00
Cougar-Holden Creek No 1	21	5	4/15/2015 0:00
Cougar-Holden Creek No 1	21	6	4/15/2015 0:00
Cougar-Holden Creek No 1	22	3	1/22/2010 0:00
Cougar-Holden Creek No 1	22	3	4/15/2015 0:00
Cougar-Holden Creek No 1	22	4	4/15/2015 0:00
Cougar-Holden Creek No 1	23	3	1/14/2015 0:00

Cougar-Holden Creek No 1	23	6	4/13/2015 0:00
Cougar-Holden Creek No 1	24	2	12/16/2009 0:00
Cougar-Holden Creek No 1	24	4	4/25/2012 0:00
Cougar-Holden Creek No 1	25	5	1/20/2015 0:00
Cougar-Holden Creek No 1	25	8	2/13/2014 0:00
Cougar-Holden Creek No 1	26	6	12/21/2011 0:00
Cougar-Holden Creek No 1	27	8	1/30/2020 0:00
Holden Creek-Thurston No 1	12	5	4/18/2013 0:00
Cougar-Holden Creek No 1	11	6	3/3/2020 0:00
Cougar-Holden Creek No 1	10	1	12/10/2014 0:00
Cougar-Holden Creek No 1	11	6	4/16/2015 0:00
Cougar-Holden Creek No 1	12	4	1/14/2015 0:00
Cougar-Holden Creek No 1	15	7	4/15/2015 0:00
Cougar-Holden Creek No 1	16	2	11/4/2014 0:00
Cougar-Holden Creek No 1	16	10	4/21/2015 0:00
Cougar-Holden Creek No 1	17	1	4/24/2015 0:00
Cougar-Holden Creek No 1	20	6	12/15/2014 0:00
Cougar-Holden Creek No 1	21	1	12/13/2018 0:00
Cougar-Holden Creek No 1	21	6	4/15/2015 0:00
Cougar-Holden Creek No 1	22	5	12/15/2014 0:00
Cougar-Holden Creek No 1	25	5	1/20/2015 0:00
Cougar-Holden Creek No 1	11	6	3/3/2020 0:00
Cougar-Holden Creek No 1	24	2	3/5/2020 0:00
Cougar-Holden Creek No 1	16	2	11/4/2014 0:00
Cougar-Holden Creek No 1	27	1	12/17/2009 0:00
Cougar-Holden Creek No 1	20	5	3/6/2014 0:00
Cougar-Holden Creek No 1	11	6	4/16/2015 0:00
Cougar-Holden Creek No 1	18	6	3/6/2014 0:00

Mile Patroled	Who
6/4-13/1	VM-MF
14/6-18/1	North Bend
18/2-19/7	MF-VM-JM
20/1-20/7	AN-AE-JERAD
21/1-21/4	NW
21/5-23/5	North Bend
27/6-23/5	Alvey



**14-6**

B Pole complete gone.

A and c pole are good











10/21 - C Pole - Replace - 70%  
Burnt up on bottom 30'  
11/1 - B Pole - Replace  
11/2 - A pole - Replace -

11/3 - A Pole - Replace  
11/4 - B Pole - Replace  
11/6 - C Pole - 50% Burnt.  
11/7 - Complete rebuild

14/5 A Pole Replace  
B Pole Replace  
C Pole Replace

20/6 and 20/7 good. poles staged at 20/6 burned up. Gate needs fixed posts burned. Road ok.

20/5 good crispy but good

20/4 a pole top burned out

20/3 F arm bent, A pole burned up B pole burned off at the ground C pole burn cavity 20' up.

20/2 Good

20/1 good A pole has little burn on the bottom.

18/7 A CHARD  
B 100% BURNED  
C CHARD

18/8 A/B 100% BURNED  
~~FREE~~

19/1 A CHARD  
19/2 A/B CHARD  
19/3 A/B CHARD  
19/4 A/B CHARD  
19/5 A/B CHARD  
19/6 BURNED  
19/7 A/B/C CHARD

18/2 Pole 10% Burned  
A Pole Charred  
C Pole 60% Burn

18/3 ABC CHARD

18/4 A 100% BURNED  
B BURNED

18/5 A CHARD  
B CHARD

18/6 A BURNED  
B BURNED

## Pole damage 14/6 to 18/2

16/10

A pole ok

B pole REPLACE. 60', picture below



16/9, structure good.

16/8, structure good.

16/7, structure good.

16/6, structure good.

16/5, A and C pole are good, REPLACE "B" pole 55' picture below





16/4, A pole good, REPLACE B pole, see picture below.



16/3, A and B pole good.

16/2 Struon the ground, replace A and B pole, arm looks okay, REPLACE x-braces. See picture below



16/1 A and B pole okay, structure needs to be PLUMBED UP.

22/2, Total, REPLACE A and B pole arm okay, xbrace okay, replace insulators. See attached picture



Str 22/7 structure okay, new staged materials and poles are burned up, its all junk. See attached picture.





23/1 structure needs to be plumbed. Wood looks okay.

23/2 structure totaled, A2. Replace poles and arms, insulators look okay. See attached picture.



23/3 A pole okay, B pole some fire damage, it can wait for now. C pole REPLACE, its gone. Conductor on the ground, no Conductor damage. See attached picture



23/5 A and B pole okay, some fire damage, not bad. Replace C pole its gone. Landing work needed, for both line and bucket truck Set up. See attached picture of structure.





2 ~~1~~ 1

A Pole Core

Arm - change B Pleats ok  
but no damage

2 ~~1~~ / 2 - Both Poles

Arm ok - X - ok -

(Brace for now A Pole)  
10' Pole

19.5



BUSINESS SOURCE

Vinny Work TRUCK

Jr. Legal Pad 63110

Bloc-notes légal junior/Bloc tamaño esuela

25/4 A-G B-Charred @ groundline  
GOOD

'C' charred - GOOD

---

25/3 A-B charred @  
Groundline - OK

25/2 A - charred but good

\* 25/1 A - GOOD needs  
B - BAD some  
C - BAD cat work

\* 24/8 A - charred  
B - charred - Ants

24/7 A - charred  
B - GOOD GOOD Room/Bucket  
Pol 1-2 BROKE

24/6 A - BAD      GOOD BOOM/BUCKER  
B - BAD      SET UP.

24/5 A+B charred slightly at ground  
but GOOD

↗ old original structure  
landing small but OK

24/4

24/3 GOOD F - old original

24/2 600 A+B originals  
needs catwalk

AND NOBUE TRAS removed

24/1 A-1 Good old originals  
need Noble Firs removed

23/8 OK originals A-

**U.S. DEPARTMENT OF ENERGY  
BONNEVILLE POWER ADMINISTRATION  
STORAGE BATTERY MONTHLY REPORT**  
*(Refer to Operating Bulletin No. 12)*

STATION <b>BLUE RIVER TAP</b>	USE <b>CONTROL BATTERY</b>	MONTH/YEAR <b>OCTOBER 2004</b>
MANUFACTURER <b>ALCAD</b>	BPA TAG NO./UTC TAG NO. <b>B-2863</b>	DATE MANUFACTURED (Month/Year) <b>OCT 2004</b>
NO. OF CELLS <b>38</b>	RATED SPECIFIC GRAVITY <b>1.210/1.220</b>	RATED AMPERE HOUR (8H) <b>50</b>
	PILOT CELL <b>12</b>	DATE PILOT CELL SELECTED (By Maintenance) <b>SEPT 2005</b>

DATE	EACH INSPECTION		TEMPERATURES		INDIVIDUAL CELL VOLTAGE READINGS (ICV)					
	CHARGERS(VOLTS)	AMPS	ROOM	BATTERY (AVG)	CELL NO.	CELL VOLTS	CELL NO.	CELL VOLTS	CELL NO.	CELL VOLTS
1					1	1.28	32	1.28	63	
2					2	1.27	33	1.28	64	
3					3	1.28	34	1.28	65	
4					4	1.27	35	1.28	66	
5					5	1.27	36	1.28	67	
6	0.9		V1	60	6	1.28	37	1.28	68	
7					7	1.28	38	1.28	69	
8					8	1.28	39		70	
9					9	1.27	40		71	
10					10	1.28	41		72	
11					11	1.28	42		73	
12					12	1.27	43		74	
13					13	1.27	44		75	
14					14	1.28	45		76	
15					15	1.28	46		77	
16					16	1.28	47		78	
17					17	1.28	48		79	
18					18	1.27	49		80	
19					19	1.28	50		81	
20					20	1.28	51		82	
21					21	1.28	52		83	
22					22	1.28	53		84	
23					23	1.28	54		85	
24					24	1.27	55		86	
25					25	1.27	56		87	
26					26	1.28	57		88	
27					27	1.28	58		89	
28					28	1.28	59		90	
29					29	1.28	60		91	
30					30	1.28	61		92	
31					31	1.28	62		93	

REMARKS: ICV Deviation: .01 VDC

CHARGES 9.0.5. DUE TO FIRES RELATED TO FAGE.

OVERALL BATTERY READINGS		MONTHLY INSPECTION		EQUALIZING CHARGE DATE		WATER ADDED	
DATE	READING	DATE	INITIALS	ON	OFF	DATE	AMOUNT
10/1/20	48.49	10/1/00	DB				

DISTRIBUTION: Original Stays with battery at station for life of battery. Copies(2): To Chief Operator and Substation Maintenance. Retain 2 yrs from date of inspection.

**U.S. DEPARTMENT OF ENERGY  
BONNEVILLE POWER ADMINISTRATION  
STORAGE BATTERY MONTHLY REPORT**

*(Refer to Operating Bulletin No. 12)*

STATION <b>BLUE RIVER TAP</b>	USE <b>CONTROL BATTERY</b>	MONTH/YEAR <b>SEPTEMBER 2000</b>
MANUFACTURER <b>ALCAD</b>	BPA TAG NO./UTC TAG NO. <b>B-2863</b>	DATE MANUFACTURED (Month/Year) <b>OCT 2004</b>
NO. OF CELLS <b>38</b>	RATED SPECIFIC GRAVITY <b>1.210/1.220</b>	DATE PILOT CELL SELECTED (By Maintenance) <b>SEPT 2005</b>
	RATED AMPERE HOUR (8H) <b>50</b>	PILOT CELL <b>12</b>

EACH INSPECTION			TEMPERATURES			INDIVIDUAL CELL VOLTAGE READINGS (ICV)						
DATE	CHARGER(S)		ROOM	BATTERY (AVG)	CELL NO.	CELL VOLTS	CELL NO.	CELL VOLTS	CELL NO.	CELL VOLTS	CELL NO.	CELL VOLTS
	VOLTS	AMPS										
1	////				1	1.41	32	1.40	63	////	63	////
2	////				2	1.38	33	1.40	64	////	64	////
3	////	0	68	70	3	1.40	34	1.40	65	////	65	////
4	////				4	1.40	35	1.40	66	////	66	////
5	////				5	1.40	36	1.40	67	////	67	////
6	////				6	1.39	37	1.40	68	////	68	////
7	////				7	1.40	38	1.40	69	////	69	////
8	////				8	1.49	39	////	70	////	70	////
9	////				9	1.40	40	////	71	////	71	////
10	////				10	1.41	41	////	72	////	72	////
11	////				11	1.40	42	////	73	////	73	////
12	////				12	1.40	43	////	74	////	74	////
13	////				13	1.40	44	////	75	////	75	////
14	////				14	1.40	45	////	76	////	76	////
15	////				15	1.49	46	////	77	////	77	////
16	////				16	1.40	47	////	78	////	78	////
17	////				17	1.40	48	////	79	////	79	////
18	////				18	1.40	49	////	80	////	80	////
19	////				19	1.40	50	////	81	////	81	////
20	////				20	1.40	51	////	82	////	82	////
21	////				21	1.49	52	////	83	////	83	////
22	////				22	1.40	53	////	84	////	84	////
23	////				23	1.38	54	////	85	////	85	////
24	////				24	1.40	55	////	86	////	86	////
25	////				25	1.40	56	////	87	////	87	////
26	////				26	1.40	57	////	88	////	88	////
27	////				27	1.40	58	////	89	////	89	////
28	////				28	1.40	59	////	90	////	90	////
29	////				29	1.40	60	////	91	////	91	////
30	////				30	1.40	61	////	92	////	92	////
31	////				31	1.40	62	////	93	////	93	////

REMARKS: ICV Deviation: .03 VDC

OVERALL BATTERY READINGS	MONTHLY INSPECTION	EQUALIZING CHARGE DATE	WATER ADDED
DATE 9/3/20	DATE 9/3/20	ON OFF	DATE AMOUNT
READING 53.16	INITIALS JRW		

DISTRIBUTION: Original Stays with battery at station for life of battery. Copies(2): To Chief Operator and Substation Maintenance, Retain 2 yrs from date of inspection.

# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 Batt Readings on 9/3/2020 09:00:00

**Start Date:** 9/3/2020 09:00

**Closed Date:** 9/3/2020 10:00

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** B02862  
**Equip Position:** B-1449 CHARGER  
**Serial #:** B02862

**Equip Type:** ControlBatteryCharger  
**Manufacturer:** Alcad Inc  
**Model:** AT10-048-012-0112000  
**Mfg Date:**

**Reading Type:** Control Battery Charger Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Battery Charger Volts	53.16 Volts	53.17 Volts	8/13/2020	Patrol Read
Battery Charger Amps	0.00 Amps	0.02 Amps	8/13/2020	Patrol Read
Problems Found	None	None	8/13/2020	Patrol Read
Operator Notes	None	None	8/13/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** B02863  
**Equip Position:** B-1449 BATTERY  
**Serial #:** B02863

**Equip Type:** ControlBatteryNiCd  
**Manufacturer:** Alcad Inc  
**Model:** MC55P  
**Mfg Date:**

**Reading Type:** Control Battery NiCd Voltage Measure

Reading	New Value	Last Value	Entered On	Entered As
Ambient Temperature	68 °F	80 °F	8/13/2020	Patrol Read
Pilot Cell Temperature	70 °F	69 °F	8/13/2020	Patrol Read
Pilot Cell Number	12	12	8/13/2020	Patrol Read
Pilot Cell Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Battery Voltage	53.2 Volts	53.2 Volts	8/13/2020	Patrol Read
Compromised Flame Arrestor Qty	0	0	8/13/2020	Patrol Read
Cell #s with Visible Corrosion	12	12	8/13/2020	Patrol Read
Cell #s with Post Lifting	0	0	8/13/2020	Patrol Read
Cell #s with Visible Leaks	0	0	8/13/2020	Patrol Read
Cell #s with Visible Cracks	0	0	8/13/2020	Patrol Read
Water Added	0.1 Gallons	0.0 Gallons	8/13/2020	Patrol Read
Problems Found	None	None	8/13/2020	Patrol Read
Operator Notes	None	None	8/13/2020	Patrol Read
Cell 1 Voltage	1.41 Volts	1.41 Volts	8/13/2020	Patrol Read
Cell 2 Voltage	1.38 Volts	1.38 Volts	8/13/2020	Patrol Read
Cell 3 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 4 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 5 Voltage	1.40 Volts	1.48 Volts	8/13/2020	Patrol Read
Cell 6 Voltage	1.39 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 7 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 8 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 9 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 10 Voltage	1.41 Volts	1.41 Volts	8/13/2020	Patrol Read
Cell 11 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 12 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 13 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 14 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 15 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 16 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 17 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 18 Voltage	1.40 Volts	1.41 Volts	8/13/2020	Patrol Read
Cell 19 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 20 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 21 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read

# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 Batt Readings on 9/3/2020 09:00:00

**Start Date:** 9/3/2020 09:00

**Closed Date:** 9/3/2020 10:00

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto

**Equip Type:** ControlBatteryNiCd

**Equip #:** B02863

**Manufacturer:** Alcad Inc

**Equip Position:** B-1449 BATTERY

**Model:** MC55P

**Serial #:** B02863

**Mfg Date:**

**Reading Type:** Control Battery NiCd Voltage Measure

Reading	New Value	Last Value	Entered On	Entered As
Cell 22 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 23 Voltage	1.38 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 24 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 25 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 26 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 27 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 28 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 29 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 30 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 31 Voltage	1.40 Volts	0.14 Volts	8/13/2020	Patrol Read
Cell 32 Voltage	1.40 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 33 Voltage	1.40 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 34 Voltage	1.40 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 35 Voltage	1.40 Volts	1.39 Volts	8/13/2020	Patrol Read
Cell 36 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 37 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read
Cell 38 Voltage	1.40 Volts	1.40 Volts	8/13/2020	Patrol Read



# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 Batt Readings on 10/6/2020 09:49:00

**Start Date:** 10/6/2020 09:49

**Closed Date:** 10/6/2020 10:56

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** B02862  
**Equip Position:** B-1449 CHARGER  
**Serial #:** B02862

**Equip Type:** ControlBatteryCharger  
**Manufacturer:** Alcad Inc  
**Model:** AT10-048-012-0112000  
**Mfg Date:**

**Reading Type:** Control Battery Charger Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Battery Charger Volts	0.00 Volts	53.16 Volts	9/3/2020	Patrol Read
Battery Charger Amps	0.00 Amps	0.00 Amps	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	Control battery charger is temporarily out of service due to Cougar-Holden Creek #1 115 kV line being cleared for fire related line repairs.		9/3/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** B02863  
**Equip Position:** B-1449 BATTERY  
**Serial #:** B02863

**Equip Type:** ControlBatteryNiCd  
**Manufacturer:** Alcad Inc  
**Model:** MC55P  
**Mfg Date:**

**Reading Type:** Control Battery NiCd Voltage Measure

Reading	New Value	Last Value	Entered On	Entered As
Ambient Temperature	61 °F	68 °F	9/3/2020	Patrol Read
Pilot Cell Temperature	60 °F	70 °F	9/3/2020	Patrol Read
Pilot Cell Number	12	12	9/3/2020	Patrol Read
Pilot Cell Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Battery Voltage	48.5 Volts	53.2 Volts	9/3/2020	Patrol Read
Compromised Flame Arrestor Qty	0	0	9/3/2020	Patrol Read
Cell #s with Visible Corrosion	12	12	9/3/2020	Patrol Read
Cell #s with Post Lifting	0	0	9/3/2020	Patrol Read
Cell #s with Visible Leaks	0	0	9/3/2020	Patrol Read
Cell #s with Visible Cracks	0	0	9/3/2020	Patrol Read
Water Added	0.0 Gallons	0.1 Gallons	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	Control battery charger has been out of since 9/6/2020 due to wild fire related outages on the Cougar-Holden Creek #1 115kV line.		9/3/2020	Patrol Read
Cell 1 Voltage	1.28 Volts	1.41 Volts	9/3/2020	Patrol Read
Cell 2 Voltage	1.27 Volts	1.38 Volts	9/3/2020	Patrol Read
Cell 3 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 4 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 5 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 6 Voltage	1.28 Volts	1.39 Volts	9/3/2020	Patrol Read
Cell 7 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 8 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 9 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 10 Voltage	1.28 Volts	1.41 Volts	9/3/2020	Patrol Read
Cell 11 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 12 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 13 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 14 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 15 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 16 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 17 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read

# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 Batt Readings on 10/6/2020 09:49:00

**Start Date:** 10/6/2020 09:49

**Closed Date:** 10/6/2020 10:56

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** B02863  
**Equip Position:** B-1449 BATTERY  
**Serial #:** B02863

**Equip Type:** ControlBatteryNiCd  
**Manufacturer:** Alcad Inc  
**Model:** MC55P  
**Mfg Date:**

**Reading Type:** Control Battery NiCd Voltage Measure

Reading	New Value	Last Value	Entered On	Entered As
Cell 18 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 19 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 20 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 21 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 22 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 23 Voltage	1.28 Volts	1.38 Volts	9/3/2020	Patrol Read
Cell 24 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 25 Voltage	1.27 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 26 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 27 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 28 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 29 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 30 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 31 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 32 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 33 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 34 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 35 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 36 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 37 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read
Cell 38 Voltage	1.28 Volts	1.40 Volts	9/3/2020	Patrol Read

# BLUE RIVER TAP INSPECTION DATA SHEET

## GENERAL INFORMATION

WEATHER	TEMPERATURE		DATES	
Clear	AMB <u>61</u>	MIN <u>47</u>	MAX <u>102</u>	PREV <u>9/3/2020</u>
				PRES <u>10/6/2020</u>
BATTERY CHARGER #1	CONTROL BATTERY VOLTAGE READS		PILOT CELL	
0.0 V 0.0 A	OVERALL	VDC CELL	VDC CELL # <u>12</u>	E <sub>n</sub> <input type="radio"/> E <sub>p</sub> <input type="radio"/>
				VDC DETECTOR

## BATTERY EQUIPMENT

## SECTIONALIZING EQUIPMENT

DISC NUMBER
DISC BLADE & HARP
PLATFORM
PLATFORM AREA
ATTACHMENTS
BONDING & BRAIDS
ROAD ACCESS
LOCKS
TOWER HARDWARE
GLASS
LINE CONNECTIONS
LINKAGE-VERT&HOR
CUSTOMER CONCERNS
TLM CONCERNS
DISC SIGN CONDITION
MISC.
LINE PT
LINE PT
MOD CABINET

B-1449	
SEATED GOOD?	YES <input checked="" type="checkbox"/> NO
IS IT CLEAR?	YES <input checked="" type="checkbox"/> NO
PERIMETER CLEAR?	YES <input checked="" type="checkbox"/> NO
COCKED & READY?	YES <input checked="" type="checkbox"/> NO
GOOD CONDITION?	YES <input checked="" type="checkbox"/> NO
IS IT GOOD?	YES <input checked="" type="checkbox"/> NO
GOOD SHAPE?	YES <input checked="" type="checkbox"/> NO
ALL THERE?	YES <input checked="" type="checkbox"/> NO
GOOD SHAPE?	YES <input checked="" type="checkbox"/> NO
ARE THEY GOOD?	YES <input checked="" type="checkbox"/> NO
IS IT GOOD?	YES <input checked="" type="checkbox"/> NO
NEED TO NOTIFY?	NO <input checked="" type="checkbox"/> YES
NEED TO NOTIFY?	NO <input checked="" type="checkbox"/> YES
NEED TO REPLACE?	NO <input checked="" type="checkbox"/> YES
ANYTHING ELSE?	NO <input checked="" type="checkbox"/> YES
LEAKS?	NO <input checked="" type="checkbox"/> YES
OIL LEVEL GOOD?	YES <input checked="" type="checkbox"/> NO
ANY PROBLEMS?	NO <input checked="" type="checkbox"/> YES

B-1460	
SEATED GOOD?	YES <input checked="" type="checkbox"/> NO
IS IT CLEAR?	YES <input checked="" type="checkbox"/> NO
PERIMETER CLEAR?	YES <input checked="" type="checkbox"/> NO
COCKED & READY?	YES <input checked="" type="checkbox"/> NO
GOOD CONDITION?	YES <input checked="" type="checkbox"/> NO
IS IT GOOD?	YES <input checked="" type="checkbox"/> NO
GOOD SHAPE?	YES <input checked="" type="checkbox"/> NO
ALL THERE?	YES <input checked="" type="checkbox"/> NO
GOOD SHAPE?	YES <input checked="" type="checkbox"/> NO
ARE THEY GOOD?	YES <input checked="" type="checkbox"/> NO
IS IT GOOD?	YES <input checked="" type="checkbox"/> NO
NEED TO NOTIFY?	NO <input checked="" type="checkbox"/> YES
NEED TO NOTIFY?	NO <input checked="" type="checkbox"/> YES
NEED TO REPLACE?	NO <input checked="" type="checkbox"/> YES
ANYTHING ELSE?	NO <input checked="" type="checkbox"/> YES
LEAKS?	NO <input checked="" type="checkbox"/> YES
OIL LEVEL GOOD?	YES <input checked="" type="checkbox"/> NO
ANY PROBLEMS?	NO <input checked="" type="checkbox"/> YES

## NOTES

CONTROL BATTERIES O.D.S DUE TO FIRE RELATED LINE REPAIRS

LAST MOD IN CABINET INSPECTION	EYEWASH	ENTERED IN CASCADE	INSPECTOR
B-1449 10/14/2020	B-1460 10/14/2020	OK	D. W AKOFIGLO

# BLUE RIVER TAP INSPECTION DATA SHEET

## GENERAL INFORMATION

WEATHER	TEMPERATURE		DATES	
AMB 57	MIN 27	MAX 69	PREV 10/4/20	PRES 11/5/2020

## BATTERY EQUIPMENT

BATTERY CHARGER #1	CONTROL BATTERY VOLTAGE READS	PILOT CELL	GROUND DETECTOR
53.17 V .05	OVERALL A 53.14	PILOT CELL # 12	E <sub>n</sub> 1.1 VDC E <sub>p</sub> 1.3 VDC

## SECTIONALIZING EQUIPMENT

DISC NUMBER	SEATED GOOD?	YES	NO
DISC BLADE & HARP	SEATED GOOD?	YES <input checked="" type="checkbox"/>	NO
PLATFORM	IS IT CLEAR?	YES <input checked="" type="checkbox"/>	NO
PLATFORM AREA	PERIMETER CLEAR?	YES <input checked="" type="checkbox"/>	NO
ATTACHMENTS	COCKED & READY?	YES <input checked="" type="checkbox"/>	NO
BONDING & BRAIDS	GOOD CONDITION?	YES <input checked="" type="checkbox"/>	NO
ROAD ACCESS	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
LOCKS	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
TOWER HARDWARE	ALL THERE?	YES <input checked="" type="checkbox"/>	NO
GLASS	GOOD SHAPE?	YES	NO <input checked="" type="checkbox"/>
LINE CONNECTIONS	ARE THEY GOOD?	YES <input checked="" type="checkbox"/>	NO
LINKAGE-VERT&HOR	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
CUSTOMER CONCERNS	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
TLM CONCERNS	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
DISC SIGN CONDITION	NEED TO REPLACE?	NO <input checked="" type="checkbox"/>	YES
MISC.	ANYTHING ELSE?	NO <input checked="" type="checkbox"/>	YES
LINE PT	LEAKS?	NO <input checked="" type="checkbox"/>	YES
LINE PT	OIL LEVEL GOOD?	YES <input checked="" type="checkbox"/>	NO
MOD CABINET	ANY PROBLEMS?	NO <input checked="" type="checkbox"/>	YES

B-1449	SEATED GOOD?	YES	NO
SEATED GOOD?	SEATED GOOD?	YES <input checked="" type="checkbox"/>	NO
IS IT CLEAR?	IS IT CLEAR?	YES <input checked="" type="checkbox"/>	NO
PERIMETER CLEAR?	PERIMETER CLEAR?	YES <input checked="" type="checkbox"/>	NO
COCKED & READY?	COCKED & READY?	YES <input checked="" type="checkbox"/>	NO
GOOD CONDITION?	GOOD CONDITION?	YES <input checked="" type="checkbox"/>	NO
IS IT GOOD?	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
GOOD SHAPE?	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
ALL THERE?	ALL THERE?	YES <input checked="" type="checkbox"/>	NO
GOOD SHAPE?	GOOD SHAPE?	YES	NO <input checked="" type="checkbox"/>
ARE THEY GOOD?	ARE THEY GOOD?	YES <input checked="" type="checkbox"/>	NO
IS IT GOOD?	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
NEED TO NOTIFY?	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
NEED TO NOTIFY?	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
NEED TO REPLACE?	NEED TO REPLACE?	NO <input checked="" type="checkbox"/>	YES
ANYTHING ELSE?	ANYTHING ELSE?	NO <input checked="" type="checkbox"/>	YES
LEAKS?	LEAKS?	NO <input checked="" type="checkbox"/>	YES
OIL LEVEL GOOD?	OIL LEVEL GOOD?	YES <input checked="" type="checkbox"/>	NO
ANY PROBLEMS?	ANY PROBLEMS?	NO <input checked="" type="checkbox"/>	YES

B-1460	SEATED GOOD?	YES	NO
SEATED GOOD?	SEATED GOOD?	YES <input checked="" type="checkbox"/>	NO
IS IT CLEAR?	IS IT CLEAR?	YES <input checked="" type="checkbox"/>	NO
PERIMETER CLEAR?	PERIMETER CLEAR?	YES <input checked="" type="checkbox"/>	NO
COCKED & READY?	COCKED & READY?	YES <input checked="" type="checkbox"/>	NO
GOOD CONDITION?	GOOD CONDITION?	YES <input checked="" type="checkbox"/>	NO
IS IT GOOD?	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
GOOD SHAPE?	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
ALL THERE?	ALL THERE?	YES <input checked="" type="checkbox"/>	NO
GOOD SHAPE?	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
ARE THEY GOOD?	ARE THEY GOOD?	YES <input checked="" type="checkbox"/>	NO
IS IT GOOD?	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
NEED TO NOTIFY?	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
NEED TO NOTIFY?	NEED TO NOTIFY?	NO	YES <input checked="" type="checkbox"/>
NEED TO REPLACE?	NEED TO REPLACE?	NO <input checked="" type="checkbox"/>	YES
ANYTHING ELSE?	ANYTHING ELSE?	NO <input checked="" type="checkbox"/>	YES
LEAKS?	LEAKS?	NO <input checked="" type="checkbox"/>	YES
OIL LEVEL GOOD?	OIL LEVEL GOOD?	YES <input checked="" type="checkbox"/>	NO
ANY PROBLEMS?	ANY PROBLEMS?	NO <input checked="" type="checkbox"/>	YES

### NOTES

INSULATOR AT STRUCTURE 4/2 IS BAD. IT IS SCHEDULED TO BE REPLACED BY TLM  TODAY.

LAST MOD IN CABINET INSPECTION	EYEWASH	ENTERED IN CASCADE	INSPECTOR
B-1449 10/4/20 B-1460 10/4/20	OK		D. WAKFIELD

# BLUE RIVER TAP INSPECTION DATA SHEET

REV 02-14

## GENERAL INFORMATION

WEATHER <i>CLEAR</i>		TEMPERATURE		DATES	
AMB <i>69</i>	MIN <i>54</i>	MAX <i>94</i>	PREV <i>8/19/20</i>	PREP <i>9/3/20</i>	
BATTERY CHARGER #1 <i>53.17</i>			GROUND DETECTOR		
OVERALL A <i>53.16</i>			E <sub>n</sub> <i>0</i> VDC <i>0</i>		
CONTROL BATTERY VOLTAGE READS			PILOT CELL		
PLOT VDC ICELL # <i>140</i>			E <sub>p</sub> <i>0</i> VDC <i>0</i>		

## BATTERY EQUIPMENT

## SECTIONALIZING EQUIPMENT

DISC NUMBER	B-1449		B-1460			
DISC BLADE & HARP	SEATED GOOD?	YES <input checked="" type="checkbox"/>	NO	SEATED GOOD?	YES <input checked="" type="checkbox"/>	NO
PLATFORM	IS IT CLEAR?	YES <input checked="" type="checkbox"/>	NO	IS IT CLEAR?	YES <input checked="" type="checkbox"/>	NO
PLATFORM AREA	PERIMETER CLEAR?	YES <input checked="" type="checkbox"/>	NO	PERIMETER CLEAR?	YES <input checked="" type="checkbox"/>	NO
ATTACHMENTS	COCKED & READY?	YES <input checked="" type="checkbox"/>	NO	COCKED & READY?	YES <input checked="" type="checkbox"/>	NO
BONDING & BRAIDS	GOOD CONDITION?	YES <input checked="" type="checkbox"/>	NO	GOOD CONDITION?	YES <input checked="" type="checkbox"/>	NO
ROAD ACCESS	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
LOCKS	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
TOWER HARDWARE	ALL THERE?	YES <input checked="" type="checkbox"/>	NO	ALL THERE?	YES <input checked="" type="checkbox"/>	NO
GLASS	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO	GOOD SHAPE?	YES <input checked="" type="checkbox"/>	NO
LINE CONNECTIONS	ARE THEY GOOD?	YES <input checked="" type="checkbox"/>	NO	ARE THEY GOOD?	YES <input checked="" type="checkbox"/>	NO
LINKAGE-VERT&HOR	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO	IS IT GOOD?	YES <input checked="" type="checkbox"/>	NO
CUSTOMER CONCERNS	NEED TO NOTIFY?	NO	YES	NEED TO NOTIFY?	NO	YES
TLM CONCERNS	NEED TO NOTIFY?	NO	YES	NEED TO NOTIFY?	NO	YES
DISC SIGN CONDITION	NEED TO REPLACE?	NO	YES	NEED TO REPLACE?	NO	YES
MISC.	ANYTHING ELSE?	NO	YES	ANYTHING ELSE?	NO	YES
LINE PT	LEAKS?	NO	YES	LEAKS?	NO	YES
LINE PT	OIL LEVEL GOOD?	YES	NO	OIL LEVEL GOOD?	YES	NO
MOD CABINET	ANY PROBLEMS?	NO	YES	ANY PROBLEMS?	NO	YES

## NOTES

LAST MOD IN CABINET INSPECTION <i>B-1449 JUNE 2020 B-1460 JUNE 2020</i>	EYEWASH	<input checked="" type="checkbox"/>	ENTERED IN CASCADE	INSPECTOR <i>WAKOFIELD</i>
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# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 OPS Reads on 10/6/2020 14:56:33

**Start Date:** 10/6/2020 14:56

**Closed Date:** 10/6/2020 14:57

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** BLUX  
**Equip Position:** BLUE RIVER TAP  
**Serial #:**

**Equip Type:** Station  
**Manufacturer:** PARENT  
**Model:**  
**Mfg Date:**

**Reading Type:** Station Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Journeyman Inspector	D.Wakefield	D. Wakefield	9/3/2020	Patrol Read
Alternate Access Key Lockbox	Y	***		
Ambient Temperature	61 °F	69 °F	9/3/2020	Patrol Read
High Temp	102 °F	96 °F	9/3/2020	Patrol Read
Low Temp	47 °F	54 °F	9/3/2020	Patrol Read
Weather	Clear	Clear	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** P04024  
**Equip Position:** B-1449 B PH VT  
**Serial #:** 10098

**Equip Type:** CVT  
**Manufacturer:** Electro Magnetics  
**Model:** UF-115  
**Mfg Date:**

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	9/3/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** P04025  
**Equip Position:** B-1460 B PH VT  
**Serial #:** 100100

**Equip Type:** CVT  
**Manufacturer:** Electro Magnetics  
**Model:** UF-115  
**Mfg Date:**

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	9/3/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

# Patrol Inspection

for TLM Blue River Tap to Cougar-Thurston No 1 OPS Reads on 9/3/2020 10:00:00

**Start Date:** 9/3/2020 10:00

**Closed Date:** 9/3/2020 10:05

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** BLUX  
**Equip Position:** BLUE RIVER TAP  
**Serial #:**

**Equip Type:** Station  
**Manufacturer:** PARENT  
**Model:**  
**Mfg Date:**

**Reading Type:** Station Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Journeyman Inspector	D. Wakefield	D. Wakefield	8/19/2020	Patrol Read
Alternate Access Key Lockbox		***		
Ambient Temperature	69 °F	77 °F	8/19/2020	Patrol Read
High Temp	96 °F	77 °F	8/19/2020	Patrol Read
Low Temp	54 °F	55 °F	8/19/2020	Patrol Read
Weather	Clear	Clear	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** P04024  
**Equip Position:** B-1449 B PH VT  
**Serial #:** 10098

**Equip Type:** CVT  
**Manufacturer:** Electro Magnetics  
**Model:** UF-115  
**Mfg Date:**

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	8/19/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read

**Location:** TLM Blue River Tap to Cougar-Thursto  
**Equip #:** P04025  
**Equip Position:** B-1460 B PH VT  
**Serial #:** 100100

**Equip Type:** CVT  
**Manufacturer:** Electro Magnetics  
**Model:** UF-115  
**Mfg Date:**

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	8/19/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read

# COUGAR INSPECTION DATA SHEET

REV 02-14

GENERAL INFORMATION			TEMPERATURE		DATES	
WEATHER	AMB	MIN	MAX	PREV	PRES	
CLEAR	24	50	24	8/19/20	9/3/20	

## 115KV CIRCUIT BREAKERS

DISPATCH NUMBER	BPA SER #	DATE LAST COMP SERV	COUNTERS		OPERATIONS			LEVELS / PRESSURES				
			PRESENT	PREVIOUS	SINCE LAST CHECK	FAULT	NORMAL	FAULT	TOTAL	DELECTRIC	SF <sub>6</sub>	PREVIOUS
B-1396	O-2535	2/1/07	430	430	0	0					89	88

## CVT VOLTAGE READINGS

A0 CVT		
SER #	VOLTAGE RATIO	PANEL TERMINAL
P-6648	3V1-0V 577:1	Junction Box 9 - 12
PREVIOUS		PRESENT
69.4		68.3
OK <input checked="" type="checkbox"/>	LEAK	RPT DATE

B0 CVT		
SER #	VOLTAGE RATIO	PANEL TERMINAL
P-6649	2V1-0V 577:1	Junction Box 10 - 12
PREVIOUS		PRESENT
69.4		67.5
OK <input checked="" type="checkbox"/>	LEAK	RPT DATE

C0 CVT		
SER #	VOLTAGE RATIO	PANEL TERMINAL
P-6650	3V1-0V 577:1	Junction Box 11 - 12
PREVIOUS		PRESENT
68.9		68.1
OK <input checked="" type="checkbox"/>	LEAK	RPT DATE

## NOTES

Blank lined area for notes.

PHONE	OK <input checked="" type="checkbox"/>	PORTA-POTTY	LOCKS	OPERATIONS CABINET	ENTERED IN CASCADE	INSPECTOR
		OK <input checked="" type="checkbox"/>	OK <input checked="" type="checkbox"/>	CLEAN <input checked="" type="checkbox"/>	STOCKED <input checked="" type="checkbox"/>	D. WARD/BLU

Can



# COUGAR INSPECTION DATA SHEET

REV 06-2019

## GENERAL INFORMATION

WEATHER		TEMPERATURE		DATES	
AMB	MIN	MAX	PREV	PREV	PRES
80	49	98	9/3/20	10/6/20	

## 115KV CIRCUIT BREAKERS

DISPATCH NUMBER	BPA SER #	DATE LAST COMP SERV	COUNTERS		OPERATIONS		LEVELS / PRESSURES		NOTES
			PRESENT	PREVIOUS	SINCE LAST CHECK	FAULT	LEVEL <sup>(b)</sup> DIELECTRIC	SF <sub>6</sub> PRESSURE	
B-1396	O-2535	2/1/07	434	430	NORMAL		OK	90 PSI	

## CVT VOLTAGE READINGS

A0 CVT		PANEL TERMINAL	
SER #	VOLTAGE RATIO	FUNCTION BOX	DATE
P-6648	1VL-0V	9-12	
68.3	577:1	PRESENT	
OK	LEAK	RPT DATE	

B0 CVT		PANEL TERMINAL	
SER #	VOLTAGE RATIO	FUNCTION BOX	DATE
P-6649	2VL-0V	10-12	
68.5	577:1	PRESENT	
OK	LEAK	RPT DATE	

C0 CVT		PANEL TERMINAL	
SER #	VOLTAGE RATIO	FUNCTION BOX	DATE
P-6650	3VL-0V	11-12	
68.1	577:1	PRESENT	
OK	LEAK	RPT DATE	

## NOTES

- COUGAR - HOLDING CROOK NO. 1 115 KV LINE IS OUT OF SERVICE.  
- NEED NEW PHONE LIST.

PHONE	PORTA-POTTY	LOCKS	OPERATIONS CABINET	ENTERED IN CASCADE	INSPECTOR
OK	OK	OK	CLEAN	STOCKED	D. WARDEN

Cam

# COUGAR INSPECTION DATA SHEET

REV 06-2019

## GENERAL INFORMATION

WEATHER: **RAIN**

TEMPERATURE: AMB **58°** MIN **49°** MAX **67°** PREVIOUS **10/6/20** PRES **11/5/20**

DATES: PREVIOUS **10/6/20** PRES **11/5/20**

## 115kV CIRCUIT BREAKERS

DISPATCH NUMBER	BPA SER #	DATE LAST COMP SERV	COUNTERS		OPERATIONS		LEVELS / PRESSURES		NOTES
			PRESENT	PREVIOUS	SINCE LAST CHECK	FAULT	DIELECTRIC LEVEL(S)	SF6 PRESSURE PRESENT	
<b>B-1396</b>	<b>O-2535</b>	<b>2/1/07</b>	<b>437</b>	<b>436</b>	<b>1</b>	<b>✓</b>	<b>86</b>	<b>90</b>	

## CVT VOLTAGE READINGS

### AØ CVT

SER #	VOLTAGE RATIO	PANEL TERMINAL	PRESENT
P-6648	1V1-0V 577:1	Junction Box 9-12	✓
PREVIOUS			<b>64.2</b>
OK	✓		

### BØ CVT

SER #	VOLTAGE RATIO	PANEL TERMINAL	PRESENT
P-6649	2V1-0V 577:1	Junction Box 10-12	✓
PREVIOUS			<b>69.4</b>
OK	✓		

### CØ CVT

SER #	VOLTAGE RATIO	PANEL TERMINAL	PRESENT
P-6650	3V1-0V 577:1	Junction Box 11-12	✓
PREVIOUS			<b>68.8</b>
OK	✓		

## NOTES

UP DATE PHONE / CONTACTS LIST.

BRING OLD SW. ORDER / TAGS IN FROM ALUSG

PHONE	OK	0/s	PORTA-POTTY	OK	LOCKS	OK	OPERATIONS CABINET	STOCKED	ENTERED IN CASCADE	INSPECTOR
			REPAIR ATTENTION				CLEAN	✓		<b>D. WANKERL</b>

com

DATE/TIME

1102 WEDNESDAY DECEMBER 2, 2020  
 D. WANKER/TPZ IN FOR INSPECTION.  
 1054 STATION CONDITIONS: 48°E/CLAR. STATION IS NORMAL. THE  
 PARAMETER IS SECURE. - D. WANKER/TPZ  
 1057 COMPLETED INSPECTION OF ALL SWITCHGEAR EQUIPMENT. NO  
 NEW PROBLEMS FOUND OR OIL LEAKS NOTED EXCEPT  
 WITHIN DOCUMENTED IN CASCADE.

All oil filled equipment has been inspected and all new oil leaks or those that have significantly changed have been logged and reported to Substation Maintenance via e-mail.

- D. WANKER/TPZ

12-9-2020

~~#~~ B410 1900 Jason Williams, Joe Miller  
 TFE Thermot run

1/12/21

1000 TO 1015 MADE PIERCE TFEB INSPECTIONS

1015 COMPLETE YARD INSPECTION INCLUDING CUT READS

ALSO ISSUES FEED

All oil filled equipment has been inspected. A few oil leaks or those that have significantly changed have been logged and reported to Substation Maintenance via e-mail.

- PIERCE

1/19/21

0950 TO 1720 MADE PIERCE TFEB SMOOTHING

1000 STATION CONDITIONS 44°

BREAKER STRANDS OPEN

THERMS AS FOUND BELOW.

1001 PCB B-1396 TRAPPED BY RENTY ACTION AT 0134

TAKEN AS FOUND

JB06 1145.

PCB B-1396 CIR - 439

1015 PERFORMED A PRE SWITCH INSPECTION AT B-1396 45 DISCONNECT

All Make entries in ink. Line out and initial mistakes. Use RED INK for ground switch operations, automatic PCB operations, and clearances issued by or to the operator.

clearances issued by or

TIME	TUESDAY OCTOBER 10, 2020	CONTINUED
1255	COMPLETED INSPECTION OF ALL SWITCHBOARD EQUIPMENT. NO NEW TROUBLE FOUND OR OIL LEAKS NOTED EXCEPT WHILE OTHERS WERE NOTED IN CASCADE.	
	<p>All oil filled equipment has been inspected and all new oil leaks or those that have significantly changed have been logged and reported to Substation Maintenance via e-mail.</p> <p>- D. WANKFIELD</p>	
1344 TO 1359	TUESDAY OCTOBER 13, 2020	
	D. WANKFIELD / TEFZ IN FOR SWITCHBOARD.	
1349	STATION CONDITIONS: 57° F / CLEAR. COMPLETED INSPECTION ON PCB B-1376 AND ALL ASSOCIATED TERMINAL EQUIPMENT.	
	- D. WANKFIELD	
0804	TO 1630 WIND PURSUE	TMG/1100
0805	TO 1628 FOR A HOLD ON THIS CASCADE - HOLDING CLEAR BY 115 KV LINE. PROCEED A HOLD ORDER TAKE ON THE B-1366 CONTROL HANDLE AND TRIP. FOR THE MA DISPATCHER. PERMITS FOR MA MAINTENANCE.	
	- PURSUE -	
0805	STATION CONDITIONS 38° CLEAR	
	SWITCHBOARD Leaks Clear	
1141 TO 1210	TUESDAY NOVEMBER 3, 2020	
	D. WANKFIELD / TEFZ IN FOR INSPECTION.	
1140	STATION CONDITIONS: 58° F / RAIN. THE PERIMETER IS SECURE.	
1203	COMPLETED INSPECTION OF ALL SWITCHBOARD EQUIPMENT. NO NEW TROUBLE FOUND OR OIL LEAKS NOTED EXCEPT WHILE DOCUMENTED IN CASCADES. COMPLETED PCB - SWITCHBOARD INSPECTION ON PCB B-1394.	
	<p>All oil filled equipment has been inspected and all new oil leaks or those that have significantly changed have been logged and reported to Substation Maintenance via e-mail.</p> <p>- D. WANKFIELD</p>	

NOTE: Make entries in ink. Use red ink for ground switch operations, automatic PCB operations, and clearances issued by or released to the operator.

TIME	
1027 TO	THURSDAY SEPTEMBER 3, 2020 D. WAKFIELD /TFZ IN FOR INSPECTION
1029	STATION CONDITIONS: 64°F / CLEAR ALL LINES IN SERVICE. STATION IS NORMAL. THE PERIMETER IS SECURED.
1055	COMPLETED SWITCHBOARD INSPECTION ALL HIGH VOLTAGE EQUIPMENT IS NORMAL EXCEPT WINDING OTHERWISE NOTED IN CASCADE. NO NEW OIL LEAKS TO REPORT
	All oil filled equipment has been inspected and all new oil leaks or those that have significantly changed to have been logged and reported to Substation Maintenance via e-mail.
	- D. WAKFIELD
	9-11-20
1106 TO	1175 AM CHRYMICOX IN TFES Smooth
1106 TO	1128 AM B. FISHER TFES Smooth
1108	PERFORMED A PRE-SMINT INSPECTION OF B-1396 THERMISTOR
1110	STATION CONDITIONS 60° WINDY IN 20 MPH AND LIGHT DRIZZLE DUE TO FOGS.
1115	50# 019936 MCC BOUND TO FUSES PURPOSE: TO CHECK AND CORRECT THE CURRENT HOLDING CHARGE #1 115KV LINE CHECK OPEN PCB B-1396 1431 OPEN AND THE B-1396 4/5 DISCONNECT THE POL MCC DISCONNECT ON T DO NOT OPERATE THE CLOSE GROUND SWITCH # 7108.
1124	50# 019936 COMPLETE
	- Fisher -
1145 TO 11427	MONDAY SEPTEMBER 01, 2020 D. WAKFIELD /TFZ IN FOR DOCUMENT PRESERVATION
L.E. 1625	Relay Targets found on 9/11/20 6CY AP-80 RPM Zone 1, No 5BC6 Target PCB B-1396 open & new counter of 451.
	- Meby -

NOTE: Make entries in ink. Line out and initial mistakes. Use RED INK for ground switch operations, automatic PCB operations, and clearances issued by or released to the operator.

# Patrol Inspection

for SUB Cougar Substation OPS Readings on 10/6/2020 11:46:00

**Start Date:** 10/6/2020 11:46

**Closed Date:** 10/6/2020 12:49

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** SUB Cougar Substation

**Equip Type:** Station

**Equip #:** COUG

**Manufacturer:** PARENT

**Equip Position:** COUGAR

**Model:**

**Serial #:**

**Mfg Date:**

**Reading Type:** Station Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Journeyman Inspector	D. Wakefield	D. Wakefield	9/3/2020	Patrol Read
Ambient Temperature	80 °F	84 °F	9/3/2020	Patrol Read
High Temp	98 °F	84 °F	9/3/2020	Patrol Read
Low Temp	49 °F	56 °F	9/3/2020	Patrol Read
Weather	Clear	Clear	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

**Location:** SUB Cougar Substation

**Equip Type:** BKRGasPufferSpring

**Equip #:** O02535

**Manufacturer:** Asea Brown Boveri Electri

**Equip Position:** B-1396

**Model:** 121PM40-20

**Serial #:** 100211-18

**Mfg Date:** 9/28/1990

**Reading Type:** BKR Gas Puffer Spring Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
3 Phase Counter	436	430	9/3/2020	Patrol Read
BKRGasSpr Counter Differential	6	0	9/3/2020	Patrol Read
3 Ph Flt Since Last Inspection	1	0	9/3/2020	Patrol Read
SF6 Pressure	90 PSI	89 PSI	9/3/2020	Patrol Read
Heater	Good	Good	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read

**Location:** SUB Cougar Substation

**Equip Type:** CVT

**Equip #:** P06650

**Manufacturer:** Trench Electric

**Equip Position:** B-1396 C PH VT

**Model:** TEV115

**Serial #:** 92577202

**Mfg Date:** 2/13/1992

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	9/3/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

**Location:** SUB Cougar Substation

**Equip Type:** CVT

**Equip #:** P06649

**Manufacturer:** Trench Electric

**Equip Position:** B-1396 B PH VT

**Model:** TEV115

**Serial #:** 92577204

**Mfg Date:** 2/28/1992

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	9/3/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

# Patrol Inspection

for SUB Cougar Substation OPS Readings on 10/6/2020 11:46:00

**Start Date:** 10/6/2020 11:46

**Closed Date:** 10/6/2020 12:49

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** SUB Cougar Substation

**Equip Type:** CVT

**Equip #:** P06648

**Manufacturer:** Trench Electric

**Equip Position:** B-1396 A PH VT

**Model:** TEV115

**Serial #:** 92577226

**Mfg Date:** 2/28/1992

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	9/3/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	9/3/2020	Patrol Read
Problems Found	None	None	9/3/2020	Patrol Read
Operator Notes	None	None	9/3/2020	Patrol Read

# Patrol Inspection

for SUB Cougar Substation OPS Readings on 9/3/2020 10:45:00

**Start Date:** 9/3/2020 10:45

**Closed Date:** 9/3/2020 11:47

**Status:** Closed

**Closed By:** Wakefield, Daniel

**Location:** SUB Cougar Substation  
**Equip #:** COUG  
**Equip Position:** COUGAR  
**Serial #:**

**Equip Type:** Station  
**Manufacturer:** PARENT  
**Model:**  
**Mfg Date:**

**Reading Type:** Station Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Journeyman Inspector	D. Wakefield	D. Wakefield	8/19/2020	Patrol Read
Ambient Temperature	84 °F	70 °F	8/19/2020	Patrol Read
High Temp	84 °F	71 °F	8/19/2020	Patrol Read
Low Temp	56 °F	56 °F	8/19/2020	Patrol Read
Weather	Clear	Clear	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read

**Location:** SUB Cougar Substation  
**Equip #:** O02535  
**Equip Position:** B-1396  
**Serial #:** 100211-18

**Equip Type:** BKRGasPufferSpring  
**Manufacturer:** Asea Brown Boveri Electri  
**Model:** 121PM40-20  
**Mfg Date:** 9/28/1990

**Reading Type:** BKR Gas Puffer Spring Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
3 Phase Counter	430	430	8/19/2020	Patrol Read
BKRGasSpr Counter Differential	0	0	8/19/2020	Patrol Read
3 Ph Flt Since Last Inspection	0	0	8/19/2020	Patrol Read
SF6 Pressure	89 PSI	88 PSI	8/19/2020	Patrol Read
Heater	Good	Good	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read

**Location:** SUB Cougar Substation  
**Equip #:** P06650  
**Equip Position:** B-1396 C PH VT  
**Serial #:** 92577202

**Equip Type:** CVT  
**Manufacturer:** Trench Electric  
**Model:** TEV115  
**Mfg Date:** 2/13/1992

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	8/19/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read

**Location:** SUB Cougar Substation  
**Equip #:** P06649  
**Equip Position:** B-1396 B PH VT  
**Serial #:** 92577204

**Equip Type:** CVT  
**Manufacturer:** Trench Electric  
**Model:** TEV115  
**Mfg Date:** 2/28/1992

**Reading Type:** CVT Patrol Inspection

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	8/19/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read



# Patrol Inspection

for SUB Cougar Substation OPS Readings on 9/3/2020 10:45:00

**Start Date:** 9/3/2020 10:45

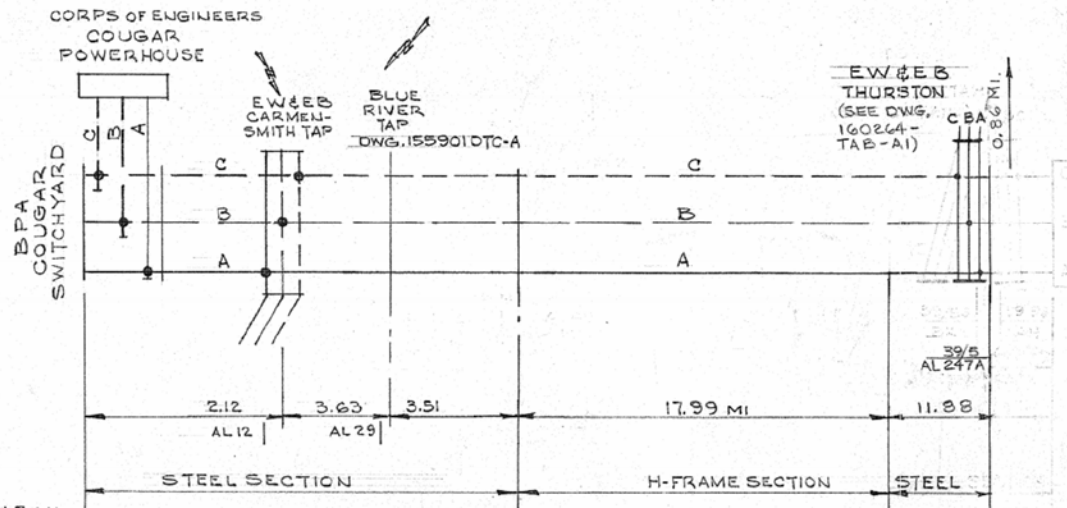
**Closed Date:** 9/3/2020 11:47

**Status:** Closed

**Closed By:** Wakefield, Daniel

<b>Location:</b> SUB Cougar Substation	<b>Equip Type:</b> CVT
<b>Equip #:</b> P06648	<b>Manufacturer:</b> Trench Electric
<b>Equip Position:</b> B-1396 A PH VT	<b>Model:</b> TEV115
<b>Serial #:</b> 92577226	<b>Mfg Date:</b> 2/28/1992
<b>Reading Type:</b> CVT Patrol Inspection	

Reading	New Value	Last Value	Entered On	Entered As
Oil Level	Normal	Normal	8/19/2020	Patrol Read
Oil Leak Status	Equipment Not Leaking	Equipment Not Leaking	8/19/2020	Patrol Read
Problems Found	None	None	8/19/2020	Patrol Read
Operator Notes	None	None	8/19/2020	Patrol Read



LENGTH 39.13 MI

PHASING SHOWN IN PLAN.  
NO TRANSPOSITIONS REQUIRED  
IN THE LINE.  
NORTH ARROWS INDICATE  
ORIENTATION OF SUBSTATION OR  
TAP STRUCTURES.

PHASING APPROVED BY:  
SUBSTATION DESIGN: 1-5-59  
SYSTEM ENG. STAFF: 1-5-59  
CORPS OF ENGINEERS: 1-19-59  
EUGENE WTR & ELEC. SD: 11-7-59

NO.	REVISION	BY	DATE	APPROVED
4	CHG. OPER. NAME; REM. WILLAKENZIE REMOVE BLUE RIVER TAP; ADD REF. DWG.	JB	12-20-59	JSD
3	REMOVE E.W.E.B. TAP; ADD E.W.E.B. THURSTON TAP POINT	G M W	2- 3- 75	EHB
2	REMOVE LEABURG & FINN ROCK TAPS	G M W	4- 19- 63	EHB
1	ADD E.W.E.B. TAP AT WILLAKENZIE	G M W	12- 21- 59	EHB

UNITED STATES DEPARTMENT OF THE INTERIOR  
BONNEVILLE POWER ADMINISTRATION  
HEADQUARTERS, PORTLAND, OREGON  
(OPER) COUGAR-THURSTON NO. 1  
115 kv TRANSMISSION LINE  
PHASING SCHEME

APPROVED: *[Signature]*  
Sub. *[Signature]*  
Rec. *[Signature]*  
Date 12-30-59 1 of 1  
109064  
OTC-F  
175-11-346-F4

DEC 21 1959

From: [Ccolinfo](#)  
 To: [Lovell, Bryan A \(BPA\) - TFEF-NORTH BEND](#); [Wenzel, Nicholas J \(BPA\) - TFEF-ALVEY](#); [Gashor, Walter B \(BPA\) - TFEF-ALVEY](#); [Stephenson, Terry R \(CONTR\) - TFEF-ALVEY](#); [Maloy, Christopher A \(BPA\) - TFEF-ALVEY](#)  
 Subject: production: DIR Eugene District  
 Date: Tuesday, September 8, 2020 6:54:16 AM

The information contained herein is transmission system information subject to Bonneville Power Administration's Standards of Conduct.

### EUGENE Daily Interruptions Report

Sep 7 2020 05:00 through Sep 8 2020 04:59

#### Customer Service Interruptions

Out Datetime	In Datetime	Name	Duration (minutes)	Outage Type	Cause	Responsible System	MW Intrpt	OPS SPC Headquarter	O&M District	Control Center	Outage ID
09/07/2020 20:26		Blue River: Lane Elec Coop 115kV Feeder 1	still out	Auto	Tree	BPA	Unknown	ALV	EUG	Munro	215829
09/07/2020 17:25		Carmen PH: EWEB (Eugene OR) 115kV Feeder 1	still out	Auto	Weather	BPA	Unknown	ALV	EUG	Munro	215805

#### Transmission Line Interruptions

Out Datetime	In Datetime	Name	Duration (minutes)	Outage Type	Cause	Responsible System	Length (miles)	OPS SPC Headquarter	O&M District	Transmission Owner NERC TADS	Control Center	Outage ID
09/07/2020 21:39		Hayden Bridge Switching Station-Weyco 3 115kV line	still out	Auto	Weather	Foreign	1.4		EUG	EWEB	Munro	215840
09/07/2020 20:26		Blue River tap to Cougar-Holden Creek No 1 115kV line	still out	Auto	Tree	BPA	0.3	ALV	EUG	BPAT	Munro	215830
09/07/2020 20:26		Blue River-Holden Creek section of Cougar-Holden Creek No 1 115kV line	still out	Auto	Tree	BPA	21.5	ALV	EUG	BPAT	Munro	215830
09/07/2020 17:25		Cougar-Carmen Smith section of Cougar-Holden Creek No 1 115kV line	still out	Auto	Weather	BPA	2.1	ALV	EUG	BPAT	Munro	215806
09/07/2020 17:25		Carmen Smith tap to Cougar-Holden Creek No 1 115kV line	still out	Auto	Weather	BPA	18.0	ALV	EUG	BPAT	Munro	215806
		Carmen Smith-Blue River										

09/07/2020 17:25		section of Cougar- Holden Creek No 1 115kV line	still out	Auto	Weather	BPA	3.6	ALV	EUG	BPAT	Munro	215806
09/01/2020 07:52		Adams- University (EWEB) 115kV line	still out	Plan	Proximity/Other	Foreign	2.4		EUG	EWEB	Munro	215663
05/04/2020 08:27		Cal Young- Santa Clara 115kV line	still out	Plan	Maintenance	Foreign	2.0		EUG	EWEB	Munro	214174

**Transformer Interruptions (bulk electric system only)**

Out Datetime	In Datetime	Name	Voltage High (kV)	Voltage Low (kV)	Duration (minutes)	Outage Type	Cause	Responsible System	OPS SPC Headquarter	O&M District	Transmission Owner NERC TADS	Control Center	Outage ID
No Outages Reported													

**Additional Information**

Datetime	Comment	Control Center
09/07/2020 15:29	FREQUENCY EXCURSION WITH A MAXIMUM DEVIATION TO 59.9030 HZ RETURNING TO NORMAL RANGE AT 1530. BPA CONTRIBUTING WITH A -1000 PLUS ACE DUE TO LOSS OF GENERATION AT CHJ.	Dittmer
09/08/2020 01:52	FREQUENCY EXCURSION WITH A MAXIMUM DEVIATION TO 59.932 HZ RETURNING TO NORMAL RANGE AT 0156 BPA CONTRIBUTING WITH A - 1206ACE.	Dittmer
09/08/2020 02:23	FREQUENCY EXCURSION WITH A MAXIMUM DEVIATION TO 59.932 HZ RETURNING TO NORMAL RANGE AT 0224. BPA CONTRIBUTING WITH A 575 ACE.	Dittmer

09/08/2020 05:00	Thermal Generation	PNW/PSW Intertie
	Boardman <sup>1</sup>	942 AC Schedule <sup>2</sup> 1920
	Centralia 1 <sup>1</sup>	396 Actual <sup>1</sup> 3010
	Centralia 2 <sup>1</sup>	400 DC Schedule <sup>2</sup> 2046
	Columbia Generating Station <sup>1</sup>	1153 Actual <sup>1</sup> 2087

Notes: <sup>1</sup>SCADA, megawatts, instantaneous value; <sup>2</sup>Rotary Account, megawatts, integrated hourly value ending

**SUMMARY OF OUTAGES**

**Automatic**

	Equipment Back in Normal Service				Total	Still	Total
	0 min	01-30	31-60	Hour+			
Customer	0	0	0	0	0	2	2
Transmission	0	0	0	0	0	6	6
Transformer	0	0	0	0	0	0	0
Total	0	0	0	0	0	8	8

**Planned**

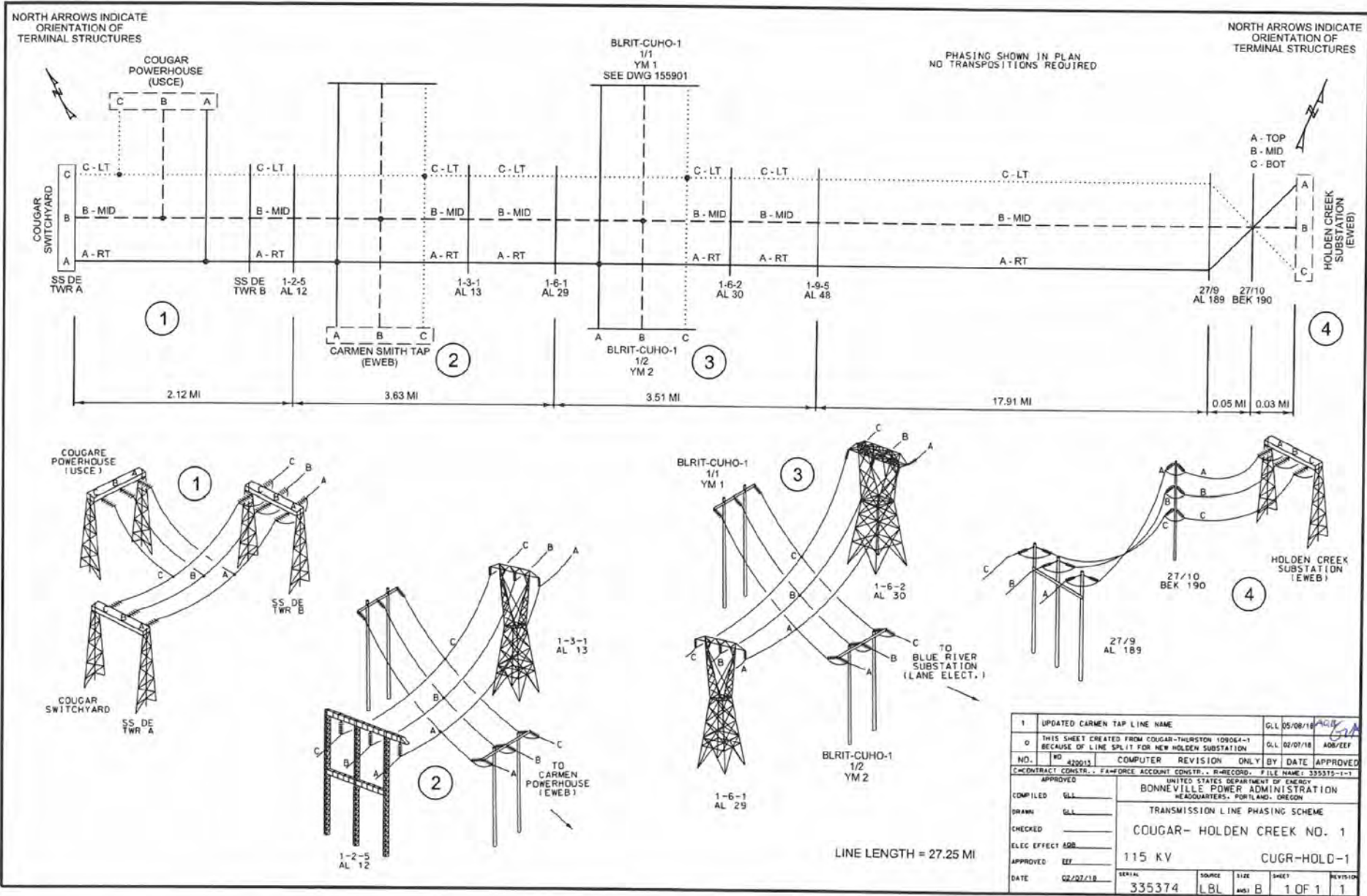
	Equipment Back in Normal Service				Total	Still	Total
	0 hrs	01-08	09-24	24+			
Customer	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	2	2
Transformer	0	0	0	0	0	0	0
Total	0	0	0	0	0	2	2

[External version of the Daily Interruptions Report](#)  
[Outage History \(OARS\) and historical Daily Interruptions Reports](#)

For content-related issues contact Denise Allen 360.418.2908.

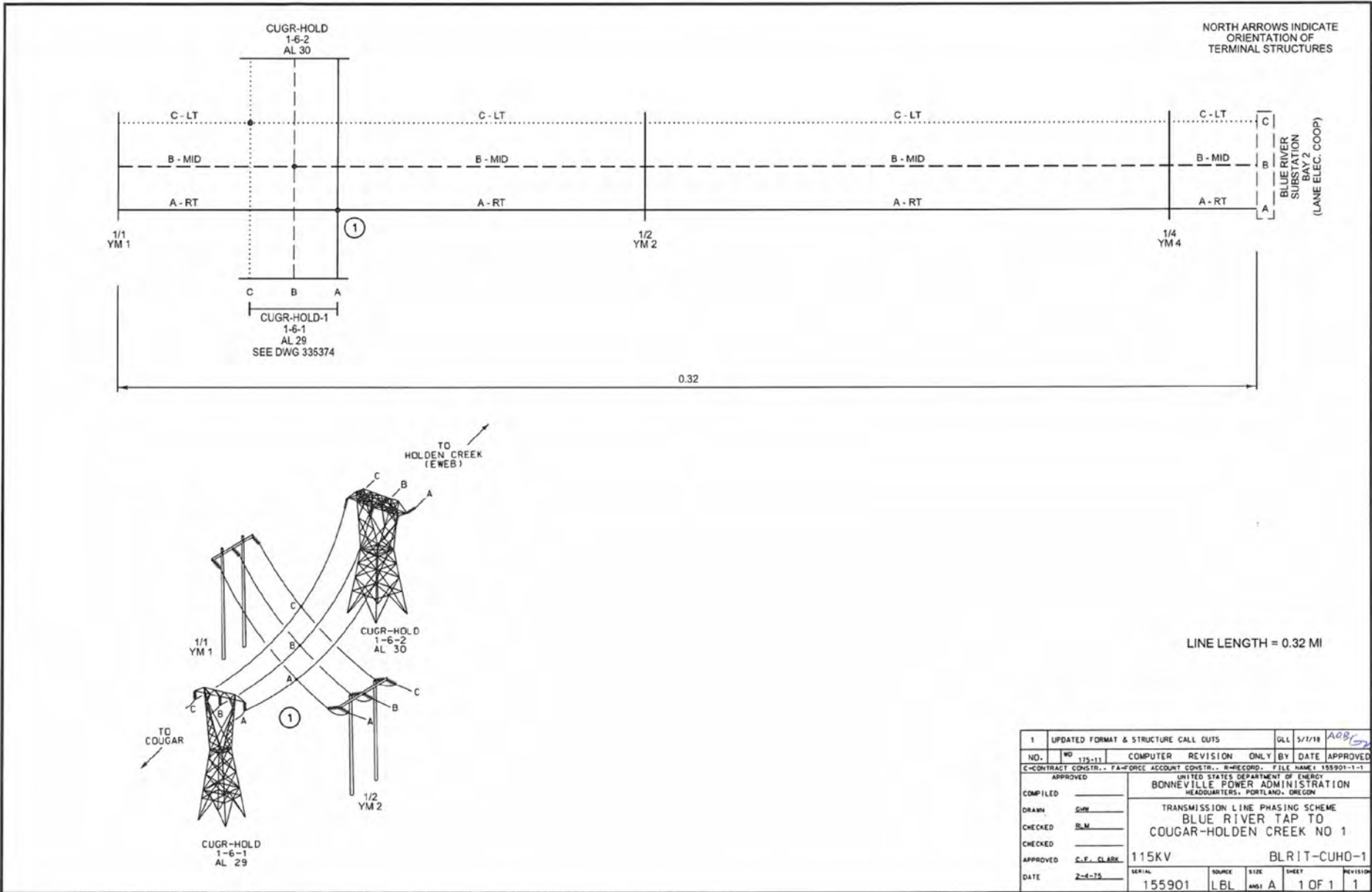
For email distribution-related issues contact Ralph Erdmann 360.418.2333.

Please do not reply to this email as it is sent from a mailbox that is not routinely monitored.



1	UPDATED CARMEN TAP LINE NAME	G.L.	05/08/18	AGB
0	THIS SHEET CREATED FROM COUGAR-THURSTON 10904-1 BECAUSE OF LINE SPLIT FOR NEW HOLDEN SUBSTATION	G.L.	02/07/18	ADR/EEF
NO.	422015	COMPUTER REVISION ONLY	BY	DATE
APPROVED	CONTRACT CONST. / FA/PRICE ACCOUNT CONST. / B-RECORD. / FILE NAME: 35535-1-1	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON		
COMPILED	VLL	TRANSMISSION LINE PHASING SCHEME		
DRAWN	G.L.	COUGAR- HOLDEN CREEK NO. 1		
CHECKED		115 KV		
ELEC EFFECT	ADR	CUGR-HOLD-1		
APPROVED	EEF	SERIAL	SOURCE	SIZE
DATE	02/02/18	355374	LBL	B
				SHEET
				1 OF 1
				REVISION
				1





NORTH ARROWS INDICATE ORIENTATION OF TERMINAL STRUCTURES

BLUE RIVER SUBSTATION (LANE ELEC. COOP)

LINE LENGTH = 0.32 MI

1	UPDATED FORMAT & STRUCTURE CALL OUTS			GLL	5/1/18	AOB
NO.	WD 175-11	COMPUTER REVISION ONLY	BY	DATE	APPROVED	
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD, FILE NAME: 155901-1-1						
APPROVED UNITED STATES DEPARTMENT OF ENERGY						
BONNEVILLE POWER ADMINISTRATION						
HEADQUARTERS, PORTLAND, OREGON						
COMPILED	TRANSMISSION LINE PHASING SCHEME					
DRAWN	BLUE RIVER TAP TO					
CHECKED	COUGAR-HOLDEN CREEK NO 1					
CHECKED						
APPROVED	C.F. CLARK	115KV	BLRIT-CUHO-1			
DATE	2-8-75	SERIAL	SOURCE	SIZE	SHEET	REVISION
		155901	LBL	A	1 OF 1	1

SCADA 5 Minute Analog Data			
Stations: HOLDEN_C Units: ALL Devices: ALL Voltages: ALL Pacific Prevailing Time			
From 09/07/2020 17:00 To 09/08/2020 00:00			
( as of 9/16/20 13:45 )			
Station	HOLDEN_C	HOLDEN_C	HOLDEN_C
Description	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT
Voltage	115	115	115
Device Type	LN	LN	LN
Point ID	170634	170635	170638
Unit	MV	MW	KV
09/07/2020 17:00:00	0.65	-49.88	119.03
09/07/2020 17:05:00	-2.61	-37.6	119.23
09/07/2020 17:10:00	-2.61	-39.24	119.15
09/07/2020 17:15:00	-3.25	-38.92	119.02
09/07/2020 17:20:00	-2.61	-38.92	118.9
09/07/2020 17:25:00	-1.78	-39.24	119.48
09/07/2020 17:30:00	-1.35	2.59	118.62
09/07/2020 17:35:00	-1.35	2.91	118.62
09/07/2020 17:40:00	-1.35	3.23	118.84
09/07/2020 17:45:00	-1.35	3.23	118.94
09/07/2020 17:50:00	-1.35	3.23	118.94
09/07/2020 17:55:00	-1.03	2.91	119.26
09/07/2020 18:00:00	-1.03	3.23	119.26
09/07/2020 18:05:00	-1.21	3.05	119.47
09/07/2020 18:10:00	-1.21	3.05	119.58
09/07/2020 18:15:00	-1.21	2.91	119.13
09/07/2020 18:20:00	-1.21	2.91	119.02
09/07/2020 18:25:00	-1.21	2.91	119.02
09/07/2020 18:30:00	-1.21	2.91	119.02
09/07/2020 18:35:00	-1.21	2.91	118.92
09/07/2020 18:40:00	-1.21	2.91	119.13
09/07/2020 18:45:00	-1.21	2.91	119.13
09/07/2020 18:50:00	-1.21	2.91	119.13
09/07/2020 18:55:00	-1.21	2.91	119.01
09/07/2020 19:00:00	-1.21	2.91	118.89
09/07/2020 19:05:00	-1.17	2.84	118.89
09/07/2020 19:10:00	-1.17	2.84	118.99
09/07/2020 19:15:00	-1.17	2.84	119.1
09/07/2020 19:20:00	-1.17	2.84	118.99
09/07/2020 19:25:00	-1.17	2.84	118.97
09/07/2020 19:30:00	-1.17	2.84	118.97
09/07/2020 19:35:00	-1.17	2.84	118.98
09/07/2020 19:40:00	-1.17	2.59	119.13
09/07/2020 19:45:00	-1.17	2.59	119.13
09/07/2020 19:50:00	-0.96	2.26	119.21
09/07/2020 19:55:00	-0.96	2.26	119.22
09/07/2020 20:00:00	-1.32	2.26	119.64
09/07/2020 20:05:00	-1.5	1.91	119.54
09/07/2020 20:10:00	-1.43	2.12	119.52
09/07/2020 20:15:00	-1.07	0.33	119.65
09/07/2020 20:20:00	-1.07	0.33	119.09
09/07/2020 20:25:00	-1.07	0.33	119.29
09/07/2020 20:30:00	0.58	0.33	0.11
09/07/2020 20:35:00	0.58	0.33	0.11
09/07/2020 20:40:00	0.58	0.33	0.11
09/07/2020 20:45:00	0.58	0.33	0.11
09/07/2020 20:50:00	0.58	0.33	0.11
09/07/2020 20:55:00	0.58	0.33	0.11
09/07/2020 21:00:00	0.58	0.33	0.11



09/07/2020 21:05:00	0.87	0.37	0.11
09/07/2020 21:10:00	0.9	0.37	0.11
09/07/2020 21:15:00	0.9	0.37	0.11
09/07/2020 21:20:00	0.9	0.37	0.11
09/07/2020 21:25:00	0.9	0.37	0.11
09/07/2020 21:30:00	0.9	0.37	0.11
09/07/2020 21:35:00	0.9	0.37	0.11
09/07/2020 21:40:00	0.9	0.37	0.11
09/07/2020 21:45:00	0.9	0.37	0.11
09/07/2020 21:50:00	0.9	0.37	0.11
09/07/2020 21:55:00	0.9	0.37	0.11
09/07/2020 22:00:00	0.9	0.37	0.11
09/07/2020 22:05:00	0.76	0.26	0.09
09/07/2020 22:10:00	0.76	0.26	0.09
09/07/2020 22:15:00	0.76	0.26	0.09
09/07/2020 22:20:00	0.76	0.26	0.09
09/07/2020 22:25:00	0.76	0.26	0.09
09/07/2020 22:30:00	0.76	0.26	0.09
09/07/2020 22:35:00	0.76	0.26	0.09
09/07/2020 22:40:00	0.76	0.26	0.09
09/07/2020 22:45:00	0.76	0.26	0.09
09/07/2020 22:50:00	0.76	0.26	0.09
09/07/2020 22:55:00	0.76	0.26	0.09
09/07/2020 23:00:00	0.76	0.26	0.09
09/07/2020 23:05:00	0.8	0.29	0.11
09/07/2020 23:10:00	0.8	0.29	0.11
09/07/2020 23:15:00	0.8	0.29	0.11
09/07/2020 23:20:00	0.8	0.29	0.11
09/07/2020 23:25:00	0.8	0.29	0.11
09/07/2020 23:30:00	0.8	0.29	0.11
09/07/2020 23:35:00	0.8	0.29	0.11
09/07/2020 23:40:00	0.8	0.29	0.11
09/07/2020 23:45:00	0.8	0.29	0.11
09/07/2020 23:50:00	0.8	0.29	0.11
09/07/2020 23:55:00	0.8	0.29	0.11
09/08/2020 00:00:00			

SCADA 2 Second Analog Data

Stations: HOLDEN\_C Units: \_KV,\_MW,AMP,AMP1,AMPS,KV,MV,MW Devices: ALL Voltages: ALL Pacific Prevailing Time  
 From 09/07/2020 17:24 To 09/07/2020 20:30  
 ( as of 9/16/20 21:05 )

Station	HOLDEN_C	HOLDEN_C	HOLDEN_C	
Description	BLUX-HLDN	BLUX-HLDN	BLUX-HLDN	<b>Legend:</b>
Voltage	115	115	115	Noteable Event
Device Type	LN	LN	LN	Increase in Load
Point ID	170634	170635	170638	Decrease in Load
Unit	MV	MW	KV	COMMENTS
09/07/2020 17:25:00	-1.78	-39.24	119.48	
09/07/2020 17:25:02	-1.78	-39.24	119.48	Initial Fault on CUGR - BLUX Section Approx STR 5/1
09/07/2020 17:25:04	1.01	0.54	0.11	
09/07/2020 17:25:06	1.01	0.54	0.11	
09/07/2020 17:25:58	0.76	0.54	0.12	BLUX Tap is Sectionalized
09/07/2020 17:26:00	0.76	0.54	0.12	
09/07/2020 17:26:02	-1.35	2.26	118.73	Blue River Loads Restored
09/07/2020 17:26:04	-1.35	2.26	118.73	
09/07/2020 17:29:00	-1.35	2.26	118.62	
09/07/2020 17:29:02	-1.35	2.26	118.62	
09/07/2020 17:29:04	-1.35	2.59	118.62	0.33 MW Increase - (Aprox. 63 Homes)
09/07/2020 17:29:06	-1.35	2.59	118.62	
09/07/2020 17:31:58	-1.35	2.59	118.62	
09/07/2020 17:32:00	-1.35	2.59	118.62	
09/07/2020 17:32:02	-1.35	2.91	118.52	0.32 MW Increase - (Aprox. 60 Homes)
09/07/2020 17:32:04	-1.35	2.91	118.52	
09/07/2020 17:36:28	-1.35	2.91	118.73	
09/07/2020 17:36:30	-1.35	2.91	118.73	
09/07/2020 17:36:32	-1.35	3.23	118.84	0.32 MW Increase - (Aprox. 60 Homes)
09/07/2020 17:36:34	-1.35	3.23	118.84	
09/07/2020 17:52:58	-1.35	3.23	119.05	
09/07/2020 17:53:00	-1.35	3.23	119.05	
09/07/2020 17:53:02	-1.03	2.91	119.05	0.32 MW Decrease - (Aprox. 60 Homes)
09/07/2020 17:53:04	-1.03	2.91	119.05	
09/07/2020 17:59:28	-1.03	2.91	119.26	
09/07/2020 17:59:30	-1.03	2.91	119.26	
09/07/2020 17:59:32	-1.03	3.23	119.26	0.32 MW Increase - (Aprox. 60 Homes)
09/07/2020 17:59:34	-1.03	3.23	119.26	
09/07/2020 18:04:28	-1.03	3.23	119.58	
09/07/2020 18:04:30	-1.03	3.23	119.58	
09/07/2020 18:04:32	-1.21	3.05	119.47	0.18 MW Decrease - (Aprox. 35 Homes)
09/07/2020 18:04:34	-1.21	3.05	119.47	
09/07/2020 18:13:28	-1.21	3.05	119.13	
09/07/2020 18:13:30	-1.21	3.05	119.13	
09/07/2020 18:13:32	-1.21	2.91	119.02	0.14 MW Decrease - (Aprox. 27 Homes)
09/07/2020 18:13:34	-1.21	2.91	119.02	
09/07/2020 19:04:30	-1.21	2.91	118.89	
09/07/2020 19:04:32	-1.21	2.91	118.89	
09/07/2020 19:04:34	-1.17	2.84	118.89	0.07 MW Decrease - (Aprox. 13 Homes)
09/07/2020 19:04:36	-1.17	2.84	118.89	
09/07/2020 19:38:30	-1.17	2.84	119.19	
09/07/2020 19:38:32	-1.17	2.84	119.19	
09/07/2020 19:38:34	-1.17	2.59	119.09	0.25 MW Decrease - (Aprox. 48 Homes)
09/07/2020 19:38:36	-1.17	2.59	119.09	
09/07/2020 19:46:28	-0.96	2.59	118.99	

09/07/2020 19:46:30	-0.96	2.59	118.99	
09/07/2020 19:46:32	-0.96	2.26	119.1	0.33 MW Decrease - (Aprox. 63 Homes)
09/07/2020 19:46:34	-0.96	2.26	119.1	
09/07/2020 19:55:00	-0.96	2.26	119.22	
09/07/2020 19:55:02	-0.96	2.26	119.22	
09/07/2020 19:55:04	-0.96	2.59	119.32	0.33 MW Increase - (Aprox. 63 Homes)
09/07/2020 19:55:06	-0.96	2.59	119.32	
09/07/2020 19:56:28	-0.96	2.59	119.22	
09/07/2020 19:56:30	-0.96	2.59	119.22	
09/07/2020 19:56:32	-1	2.26	119.22	0.33 MW Decrease - (Aprox. 63 Homes)
09/07/2020 19:56:34	-1	2.26	119.22	
09/07/2020 20:01:58	-1.32	2.26	119.64	
09/07/2020 20:02:00	-1.32	2.26	119.64	
09/07/2020 20:02:02	-1.46	1.87	119.67	0.39 MW Decrease - (Aprox. 74 Homes)
09/07/2020 20:02:04	-1.46	1.87	119.67	
09/07/2020 20:04:30	-1.46	1.87	119.54	
09/07/2020 20:04:32	-1.46	1.87	119.54	
09/07/2020 20:04:34	-1.5	1.91	119.54	0.04 MW Increase - (Aprox. 8 Homes)
09/07/2020 20:04:36	-1.5	1.91	119.54	
09/07/2020 20:07:28	-1.5	1.91	119.64	
09/07/2020 20:07:30	-1.5	1.91	119.64	
09/07/2020 20:07:32	-1.1	2.12	119.63	0.21 MW Increase - (Aprox. 40 Homes)
09/07/2020 20:07:34	-1.1	2.12	119.63	
09/07/2020 20:10:00	-1.43	2.12	119.52	
09/07/2020 20:10:02	-1.43	2.12	119.52	
09/07/2020 20:10:04	-1.07	0.33	119.65	All LEC Load Lost - BLUX- HLDN still energized
09/07/2020 20:10:06	-1.07	0.33	119.65	
09/07/2020 20:26:00	-1.07	0.33	119.29	
09/07/2020 20:26:02	-1.07	0.33	119.29	
09/07/2020 20:26:04	0.58	0.33	0.11	EWEB De-energizes BLUX - HLDN via SCADA

SCADA 2 Second Analog Data

Stations: HOLDEN\_C Units: ALL Devices: ALL Voltages: ALL Pacific Prevailing Time

From 09/07/2020 20:25 To 09/07/2020 20:30

( as of 9/16/20 14:03 )

Station	HOLDEN_C	HOLDEN_C	HOLDEN_C
Description	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT
Voltage	115	115	115
Device Type	LN	LN	LN
Point ID	170634	170635	170638
Unit	MV	MW	KV
09/07/2020 20:25:00	-1.07	0.33	119.29
09/07/2020 20:25:02	-1.07	0.33	119.29
09/07/2020 20:25:04	-1.07	0.33	119.29
09/07/2020 20:25:06	-1.07	0.33	119.29
09/07/2020 20:25:08	-1.07	0.33	119.29
09/07/2020 20:25:10	-1.07	0.33	119.29
09/07/2020 20:25:12	-1.07	0.33	119.29
09/07/2020 20:25:14	-1.07	0.33	119.29
09/07/2020 20:25:16	-1.07	0.33	119.29
09/07/2020 20:25:18	-1.07	0.33	119.29
09/07/2020 20:25:20	-1.07	0.33	119.29
09/07/2020 20:25:22	-1.07	0.33	119.29
09/07/2020 20:25:24	-1.07	0.33	119.29
09/07/2020 20:25:26	-1.07	0.33	119.29
09/07/2020 20:25:28	-1.07	0.33	119.29
09/07/2020 20:25:30	-1.07	0.33	119.29
09/07/2020 20:25:32	-1.07	0.33	119.29
09/07/2020 20:25:34	-1.07	0.33	119.29
09/07/2020 20:25:36	-1.07	0.33	119.29
09/07/2020 20:25:38	-1.07	0.33	119.29
09/07/2020 20:25:40	-1.07	0.33	119.29
09/07/2020 20:25:42	-1.07	0.33	119.29
09/07/2020 20:25:44	-1.07	0.33	119.29
09/07/2020 20:25:46	-1.07	0.33	119.29
09/07/2020 20:25:48	-1.07	0.33	119.29
09/07/2020 20:25:50	-1.07	0.33	119.29
09/07/2020 20:25:52	-1.07	0.33	119.29
09/07/2020 20:25:54	-1.07	0.33	119.29
09/07/2020 20:25:56	-1.07	0.33	119.29
09/07/2020 20:25:58	-1.07	0.33	119.29
09/07/2020 20:26:00	-1.07	0.33	119.29
09/07/2020 20:26:02	-1.07	0.33	119.29
09/07/2020 20:26:04	0.58	0.33	0.11
09/07/2020 20:26:06	0.58	0.33	0.11
09/07/2020 20:26:08	0.58	0.33	0.11
09/07/2020 20:26:10	0.58	0.33	0.11
09/07/2020 20:26:12	0.58	0.33	0.11
09/07/2020 20:26:14	0.58	0.33	0.11
09/07/2020 20:26:16	0.58	0.33	0.11
09/07/2020 20:26:18	0.58	0.33	0.11
09/07/2020 20:26:20	0.58	0.33	0.11
09/07/2020 20:26:22	0.58	0.33	0.11
09/07/2020 20:26:24	0.58	0.33	0.11
09/07/2020 20:26:26	0.58	0.33	0.11
09/07/2020 20:26:28	0.58	0.33	0.11

09/07/2020 20:26:30	0.58	0.33	0.11
09/07/2020 20:26:32	0.58	0.33	0.11
09/07/2020 20:26:34	0.58	0.33	0.11
09/07/2020 20:26:36	0.58	0.33	0.11
09/07/2020 20:26:38	0.58	0.33	0.11
09/07/2020 20:26:40	0.58	0.33	0.11
09/07/2020 20:26:42	0.58	0.33	0.11
09/07/2020 20:26:44	0.58	0.33	0.11
09/07/2020 20:26:46	0.58	0.33	0.11
09/07/2020 20:26:48	0.58	0.33	0.11
09/07/2020 20:26:50	0.58	0.33	0.11
09/07/2020 20:26:52	0.58	0.33	0.11
09/07/2020 20:26:54	0.58	0.33	0.11
09/07/2020 20:26:56	0.58	0.33	0.11
09/07/2020 20:26:58	0.58	0.33	0.11
09/07/2020 20:27:00	0.58	0.33	0.11
09/07/2020 20:27:02	0.58	0.33	0.11
09/07/2020 20:27:04	0.58	0.33	0.11
09/07/2020 20:27:06	0.58	0.33	0.11
09/07/2020 20:27:08	0.58	0.33	0.11
09/07/2020 20:27:10	0.58	0.33	0.11
09/07/2020 20:27:12	0.58	0.33	0.11
09/07/2020 20:27:14	0.58	0.33	0.11
09/07/2020 20:27:16	0.58	0.33	0.11
09/07/2020 20:27:18	0.58	0.33	0.11
09/07/2020 20:27:20	0.58	0.33	0.11
09/07/2020 20:27:22	0.58	0.33	0.11
09/07/2020 20:27:24	0.58	0.33	0.11
09/07/2020 20:27:26	0.58	0.33	0.11
09/07/2020 20:27:28	0.58	0.33	0.11
09/07/2020 20:27:30	0.58	0.33	0.11
09/07/2020 20:27:32	0.58	0.33	0.11
09/07/2020 20:27:34	0.58	0.33	0.11
09/07/2020 20:27:36	0.58	0.33	0.11
09/07/2020 20:27:38	0.58	0.33	0.11
09/07/2020 20:27:40	0.58	0.33	0.11
09/07/2020 20:27:42	0.58	0.33	0.11
09/07/2020 20:27:44	0.58	0.33	0.11
09/07/2020 20:27:46	0.58	0.33	0.11
09/07/2020 20:27:48	0.58	0.33	0.11
09/07/2020 20:27:50	0.58	0.33	0.11
09/07/2020 20:27:52	0.58	0.33	0.11
09/07/2020 20:27:54	0.58	0.33	0.11
09/07/2020 20:27:56	0.58	0.33	0.11
09/07/2020 20:27:58	0.58	0.33	0.11
09/07/2020 20:28:00	0.58	0.33	0.11
09/07/2020 20:28:02	0.58	0.33	0.11
09/07/2020 20:28:04	0.58	0.33	0.11
09/07/2020 20:28:06	0.58	0.33	0.11
09/07/2020 20:28:08	0.58	0.33	0.11
09/07/2020 20:28:10	0.58	0.33	0.11
09/07/2020 20:28:12	0.58	0.33	0.11
09/07/2020 20:28:14	0.58	0.33	0.11
09/07/2020 20:28:16	0.58	0.33	0.11
09/07/2020 20:28:18	0.58	0.33	0.11

09/07/2020 20:28:20	0.58	0.33	0.11
09/07/2020 20:28:22	0.58	0.33	0.11
09/07/2020 20:28:24	0.58	0.33	0.11
09/07/2020 20:28:26	0.58	0.33	0.11
09/07/2020 20:28:28	0.58	0.33	0.11
09/07/2020 20:28:30	0.58	0.33	0.11
09/07/2020 20:28:32	0.58	0.33	0.11
09/07/2020 20:28:34	0.58	0.33	0.11
09/07/2020 20:28:36	0.58	0.33	0.11
09/07/2020 20:28:38	0.58	0.33	0.11
09/07/2020 20:28:40	0.58	0.33	0.11
09/07/2020 20:28:42	0.58	0.33	0.11
09/07/2020 20:28:44	0.58	0.33	0.11
09/07/2020 20:28:46	0.58	0.33	0.11
09/07/2020 20:28:48	0.58	0.33	0.11
09/07/2020 20:28:50	0.58	0.33	0.11
09/07/2020 20:28:52	0.58	0.33	0.11
09/07/2020 20:28:54	0.58	0.33	0.11
09/07/2020 20:28:56	0.58	0.33	0.11
09/07/2020 20:28:58	0.58	0.33	0.11
09/07/2020 20:29:00	0.58	0.33	0.11
09/07/2020 20:29:02	0.58	0.33	0.11
09/07/2020 20:29:04	0.58	0.33	0.11
09/07/2020 20:29:06	0.58	0.33	0.11
09/07/2020 20:29:08	0.58	0.33	0.11
09/07/2020 20:29:10	0.58	0.33	0.11
09/07/2020 20:29:12	0.58	0.33	0.11
09/07/2020 20:29:14	0.58	0.33	0.11
09/07/2020 20:29:16	0.58	0.33	0.11
09/07/2020 20:29:18	0.58	0.33	0.11
09/07/2020 20:29:20	0.58	0.33	0.11
09/07/2020 20:29:22	0.58	0.33	0.11
09/07/2020 20:29:24	0.58	0.33	0.11
09/07/2020 20:29:26	0.58	0.33	0.11
09/07/2020 20:29:28	0.58	0.33	0.11
09/07/2020 20:29:30	0.58	0.33	0.11
09/07/2020 20:29:32	0.58	0.33	0.11
09/07/2020 20:29:34	0.58	0.33	0.11
09/07/2020 20:29:36	0.58	0.33	0.11
09/07/2020 20:29:38	0.58	0.33	0.11
09/07/2020 20:29:40	0.58	0.33	0.11
09/07/2020 20:29:42	0.58	0.33	0.11
09/07/2020 20:29:44	0.58	0.33	0.11
09/07/2020 20:29:46	0.58	0.33	0.11
09/07/2020 20:29:48	0.58	0.33	0.11
09/07/2020 20:29:50	0.58	0.33	0.11
09/07/2020 20:29:52	0.58	0.33	0.11
09/07/2020 20:29:54	0.58	0.33	0.11
09/07/2020 20:29:56	0.58	0.33	0.11
09/07/2020 20:29:58	0.58	0.33	0.11
09/07/2020 20:30:00			

SCADA 2 Second Analog Data

Stations: HOLDEN\_C Units: ALL Devices: ALL Voltages: ALL Pacific Prevailing Time

From 09/07/2020 20:10 To 09/07/2020 20:15

( as of 9/16/20 13:57 )

Station	HOLDEN_C	HOLDEN_C	HOLDEN_C
Description	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT
Voltage	115	115	115
Device Type	LN	LN	LN
Point ID	170634	170635	170638
Unit	MV	MW	KV
09/07/2020 20:10:00	-1.43	2.12	119.52
09/07/2020 20:10:02	-1.43	2.12	119.52
09/07/2020 20:10:04	-1.07	0.33	119.65
09/07/2020 20:10:06	-1.07	0.33	119.65
09/07/2020 20:10:08	-1.07	0.33	119.65
09/07/2020 20:10:10	-1.07	0.33	119.65
09/07/2020 20:10:12	-1.07	0.33	119.65
09/07/2020 20:10:14	-1.07	0.33	119.65
09/07/2020 20:10:16	-1.07	0.33	119.65
09/07/2020 20:10:18	-1.07	0.33	119.65
09/07/2020 20:10:20	-1.07	0.33	119.65
09/07/2020 20:10:22	-1.07	0.33	119.65
09/07/2020 20:10:24	-1.07	0.33	119.65
09/07/2020 20:10:26	-1.07	0.33	119.65
09/07/2020 20:10:28	-1.07	0.33	119.65
09/07/2020 20:10:30	-1.07	0.33	119.65
09/07/2020 20:10:32	-1.07	0.33	119.65
09/07/2020 20:10:34	-1.07	0.33	119.65
09/07/2020 20:10:36	-1.07	0.33	119.65
09/07/2020 20:10:38	-1.07	0.33	119.65
09/07/2020 20:10:40	-1.07	0.33	119.65
09/07/2020 20:10:42	-1.07	0.33	119.65
09/07/2020 20:10:44	-1.07	0.33	119.65
09/07/2020 20:10:46	-1.07	0.33	119.65
09/07/2020 20:10:48	-1.07	0.33	119.65
09/07/2020 20:10:50	-1.07	0.33	119.65
09/07/2020 20:10:52	-1.07	0.33	119.65
09/07/2020 20:10:54	-1.07	0.33	119.65
09/07/2020 20:10:56	-1.07	0.33	119.65
09/07/2020 20:10:58	-1.07	0.33	119.65
09/07/2020 20:11:00	-1.07	0.33	119.65
09/07/2020 20:11:02	-1.07	0.33	119.65
09/07/2020 20:11:04	-1.07	0.33	119.76
09/07/2020 20:11:06	-1.07	0.33	119.76
09/07/2020 20:11:08	-1.07	0.33	119.76
09/07/2020 20:11:10	-1.07	0.33	119.76
09/07/2020 20:11:12	-1.07	0.33	119.76
09/07/2020 20:11:14	-1.07	0.33	119.76
09/07/2020 20:11:16	-1.07	0.33	119.76
09/07/2020 20:11:18	-1.07	0.33	119.76
09/07/2020 20:11:20	-1.07	0.33	119.76
09/07/2020 20:11:22	-1.07	0.33	119.76
09/07/2020 20:11:24	-1.07	0.33	119.76
09/07/2020 20:11:26	-1.07	0.33	119.76
09/07/2020 20:11:28	-1.07	0.33	119.76

09/07/2020 20:11:30	-1.07	0.33	119.76
09/07/2020 20:11:32	-1.07	0.33	119.76
09/07/2020 20:11:34	-1.07	0.33	119.76
09/07/2020 20:11:36	-1.07	0.33	119.76
09/07/2020 20:11:38	-1.07	0.33	119.76
09/07/2020 20:11:40	-1.07	0.33	119.76
09/07/2020 20:11:42	-1.07	0.33	119.76
09/07/2020 20:11:44	-1.07	0.33	119.76
09/07/2020 20:11:46	-1.07	0.33	119.76
09/07/2020 20:11:48	-1.07	0.33	119.76
09/07/2020 20:11:50	-1.07	0.33	119.76
09/07/2020 20:11:52	-1.07	0.33	119.76
09/07/2020 20:11:54	-1.07	0.33	119.76
09/07/2020 20:11:56	-1.07	0.33	119.76
09/07/2020 20:11:58	-1.07	0.33	119.76
09/07/2020 20:12:00	-1.07	0.33	119.76
09/07/2020 20:12:02	-1.07	0.33	119.76
09/07/2020 20:12:04	-1.07	0.33	119.76
09/07/2020 20:12:06	-1.07	0.33	119.76
09/07/2020 20:12:08	-1.07	0.33	119.76
09/07/2020 20:12:10	-1.07	0.33	119.76
09/07/2020 20:12:12	-1.07	0.33	119.76
09/07/2020 20:12:14	-1.07	0.33	119.76
09/07/2020 20:12:16	-1.07	0.33	119.76
09/07/2020 20:12:18	-1.07	0.33	119.76
09/07/2020 20:12:20	-1.07	0.33	119.76
09/07/2020 20:12:22	-1.07	0.33	119.76
09/07/2020 20:12:24	-1.07	0.33	119.76
09/07/2020 20:12:26	-1.07	0.33	119.76
09/07/2020 20:12:28	-1.07	0.33	119.76
09/07/2020 20:12:30	-1.07	0.33	119.76
09/07/2020 20:12:32	-1.07	0.33	119.76
09/07/2020 20:12:34	-1.07	0.33	119.76
09/07/2020 20:12:36	-1.07	0.33	119.76
09/07/2020 20:12:38	-1.07	0.33	119.76
09/07/2020 20:12:40	-1.07	0.33	119.76
09/07/2020 20:12:42	-1.07	0.33	119.76
09/07/2020 20:12:44	-1.07	0.33	119.76
09/07/2020 20:12:46	-1.07	0.33	119.76
09/07/2020 20:12:48	-1.07	0.33	119.76
09/07/2020 20:12:50	-1.07	0.33	119.76
09/07/2020 20:12:52	-1.07	0.33	119.76
09/07/2020 20:12:54	-1.07	0.33	119.76
09/07/2020 20:12:56	-1.07	0.33	119.76
09/07/2020 20:12:58	-1.07	0.33	119.76
09/07/2020 20:13:00	-1.07	0.33	119.76
09/07/2020 20:13:02	-1.07	0.33	119.76
09/07/2020 20:13:04	-1.07	0.33	119.76
09/07/2020 20:13:06	-1.07	0.33	119.76
09/07/2020 20:13:08	-1.07	0.33	119.76
09/07/2020 20:13:10	-1.07	0.33	119.76
09/07/2020 20:13:12	-1.07	0.33	119.76
09/07/2020 20:13:14	-1.07	0.33	119.76
09/07/2020 20:13:16	-1.07	0.33	119.76
09/07/2020 20:13:18	-1.07	0.33	119.76



09/07/2020 20:13:20	-1.07	0.33	119.76
09/07/2020 20:13:22	-1.07	0.33	119.76
09/07/2020 20:13:24	-1.07	0.33	119.76
09/07/2020 20:13:26	-1.07	0.33	119.76
09/07/2020 20:13:28	-1.07	0.33	119.76
09/07/2020 20:13:30	-1.07	0.33	119.76
09/07/2020 20:13:32	-1.07	0.33	119.65
09/07/2020 20:13:34	-1.07	0.33	119.65
09/07/2020 20:13:36	-1.07	0.33	119.65
09/07/2020 20:13:38	-1.07	0.33	119.65
09/07/2020 20:13:40	-1.07	0.33	119.65
09/07/2020 20:13:42	-1.07	0.33	119.65
09/07/2020 20:13:44	-1.07	0.33	119.65
09/07/2020 20:13:46	-1.07	0.33	119.65
09/07/2020 20:13:48	-1.07	0.33	119.65
09/07/2020 20:13:50	-1.07	0.33	119.65
09/07/2020 20:13:52	-1.07	0.33	119.65
09/07/2020 20:13:54	-1.07	0.33	119.65
09/07/2020 20:13:56	-1.07	0.33	119.65
09/07/2020 20:13:58	-1.07	0.33	119.65
09/07/2020 20:14:00	-1.07	0.33	119.65
09/07/2020 20:14:02	-1.07	0.33	119.65
09/07/2020 20:14:04	-1.07	0.33	119.65
09/07/2020 20:14:06	-1.07	0.33	119.65
09/07/2020 20:14:08	-1.07	0.33	119.65
09/07/2020 20:14:10	-1.07	0.33	119.65
09/07/2020 20:14:12	-1.07	0.33	119.65
09/07/2020 20:14:14	-1.07	0.33	119.65
09/07/2020 20:14:16	-1.07	0.33	119.65
09/07/2020 20:14:18	-1.07	0.33	119.65
09/07/2020 20:14:20	-1.07	0.33	119.65
09/07/2020 20:14:22	-1.07	0.33	119.65
09/07/2020 20:14:24	-1.07	0.33	119.65
09/07/2020 20:14:26	-1.07	0.33	119.65
09/07/2020 20:14:28	-1.07	0.33	119.65
09/07/2020 20:14:30	-1.07	0.33	119.65
09/07/2020 20:14:32	-1.07	0.33	119.65
09/07/2020 20:14:34	-1.07	0.33	119.65
09/07/2020 20:14:36	-1.07	0.33	119.65
09/07/2020 20:14:38	-1.07	0.33	119.65
09/07/2020 20:14:40	-1.07	0.33	119.65
09/07/2020 20:14:42	-1.07	0.33	119.65
09/07/2020 20:14:44	-1.07	0.33	119.65
09/07/2020 20:14:46	-1.07	0.33	119.65
09/07/2020 20:14:48	-1.07	0.33	119.65
09/07/2020 20:14:50	-1.07	0.33	119.65
09/07/2020 20:14:52	-1.07	0.33	119.65
09/07/2020 20:14:54	-1.07	0.33	119.65
09/07/2020 20:14:56	-1.07	0.33	119.65
09/07/2020 20:14:58	-1.07	0.33	119.65
09/07/2020 20:15:00			

SCADA 2 Second Analog Data			
Stations: HOLDEN_C Units: ALL Devices: ALL Voltages: ALL Pacific Prevailing Time			
From 09/07/2020 17:25 To 09/07/2020 17:30			
( as of 9/16/20 13:51 )			
Station	HOLDEN_C	HOLDEN_C	HOLDEN_C
Description	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT	BLUE RIVER-HOLDEN_C SECT
Voltage	115	115	115
Device Type	LN	LN	LN
Point ID	170634	170635	170638
Unit	MV	MW	KV
09/07/2020 17:25:00	-1.78	-39.24	119.48
09/07/2020 17:25:02	-1.78	-39.24	119.48
09/07/2020 17:25:04	1.01	0.54	0.11
09/07/2020 17:25:06	1.01	0.54	0.11
09/07/2020 17:25:08	1.01	0.54	0.11
09/07/2020 17:25:10	1.01	0.54	0.11
09/07/2020 17:25:12	1.01	0.54	0.11
09/07/2020 17:25:14	1.01	0.54	0.11
09/07/2020 17:25:16	1.01	0.54	0.11
09/07/2020 17:25:18	1.01	0.54	0.11
09/07/2020 17:25:20	1.01	0.54	0.11
09/07/2020 17:25:22	1.01	0.54	0.11
09/07/2020 17:25:24	1.01	0.54	0.11
09/07/2020 17:25:26	1.01	0.54	0.11
09/07/2020 17:25:28	1.01	0.54	0.11
09/07/2020 17:25:30	1.01	0.54	0.11
09/07/2020 17:25:32	0.76	0.54	0.12
09/07/2020 17:25:34	0.76	0.54	0.12
09/07/2020 17:25:36	0.76	0.54	0.12
09/07/2020 17:25:38	0.76	0.54	0.12
09/07/2020 17:25:40	0.76	0.54	0.12
09/07/2020 17:25:42	0.76	0.54	0.12
09/07/2020 17:25:44	0.76	0.54	0.12
09/07/2020 17:25:46	0.76	0.54	0.12
09/07/2020 17:25:48	0.76	0.54	0.12
09/07/2020 17:25:50	0.76	0.54	0.12
09/07/2020 17:25:52	0.76	0.54	0.12
09/07/2020 17:25:54	0.76	0.54	0.12
09/07/2020 17:25:56	0.76	0.54	0.12
09/07/2020 17:25:58	0.76	0.54	0.12
09/07/2020 17:26:00	0.76	0.54	0.12
09/07/2020 17:26:02	-1.35	2.26	118.73
09/07/2020 17:26:04	-1.35	2.26	118.73
09/07/2020 17:26:06	-1.35	2.26	118.73
09/07/2020 17:26:08	-1.35	2.26	118.73
09/07/2020 17:26:10	-1.35	2.26	118.73
09/07/2020 17:26:12	-1.35	2.26	118.73
09/07/2020 17:26:14	-1.35	2.26	118.73
09/07/2020 17:26:16	-1.35	2.26	118.73
09/07/2020 17:26:18	-1.35	2.26	118.73
09/07/2020 17:26:20	-1.35	2.26	118.73
09/07/2020 17:26:22	-1.35	2.26	118.73
09/07/2020 17:26:24	-1.35	2.26	118.73
09/07/2020 17:26:26	-1.35	2.26	118.73
09/07/2020 17:26:28	-1.35	2.26	118.73
09/07/2020 17:26:30	-1.35	2.26	118.73
09/07/2020 17:26:32	-1.35	2.26	118.73
09/07/2020 17:26:34	-1.35	2.26	118.73
09/07/2020 17:26:36	-1.35	2.26	118.73

09/07/2020 17:26:38	-1.35	2.26	118.73
09/07/2020 17:26:40	-1.35	2.26	118.73
09/07/2020 17:26:42	-1.35	2.26	118.73
09/07/2020 17:26:44	-1.35	2.26	118.73
09/07/2020 17:26:46	-1.35	2.26	118.73
09/07/2020 17:26:48	-1.35	2.26	118.73
09/07/2020 17:26:50	-1.35	2.26	118.73
09/07/2020 17:26:52	-1.35	2.26	118.73
09/07/2020 17:26:54	-1.35	2.26	118.73
09/07/2020 17:26:56	-1.35	2.26	118.73
09/07/2020 17:26:58	-1.35	2.26	118.73
09/07/2020 17:27:00	-1.35	2.26	118.73
09/07/2020 17:27:02	-1.35	2.26	118.73
09/07/2020 17:27:04	-1.35	2.26	118.73
09/07/2020 17:27:06	-1.35	2.26	118.73
09/07/2020 17:27:08	-1.35	2.26	118.73
09/07/2020 17:27:10	-1.35	2.26	118.73
09/07/2020 17:27:12	-1.35	2.26	118.73
09/07/2020 17:27:14	-1.35	2.26	118.73
09/07/2020 17:27:16	-1.35	2.26	118.73
09/07/2020 17:27:18	-1.35	2.26	118.73
09/07/2020 17:27:20	-1.35	2.26	118.73
09/07/2020 17:27:22	-1.35	2.26	118.73
09/07/2020 17:27:24	-1.35	2.26	118.73
09/07/2020 17:27:26	-1.35	2.26	118.73
09/07/2020 17:27:28	-1.35	2.26	118.73
09/07/2020 17:27:30	-1.35	2.26	118.73
09/07/2020 17:27:32	-1.35	2.26	118.73
09/07/2020 17:27:34	-1.35	2.26	118.62
09/07/2020 17:27:36	-1.35	2.26	118.62
09/07/2020 17:27:38	-1.35	2.26	118.62
09/07/2020 17:27:40	-1.35	2.26	118.62
09/07/2020 17:27:42	-1.35	2.26	118.62
09/07/2020 17:27:44	-1.35	2.26	118.62
09/07/2020 17:27:46	-1.35	2.26	118.62
09/07/2020 17:27:48	-1.35	2.26	118.62
09/07/2020 17:27:50	-1.35	2.26	118.62
09/07/2020 17:27:52	-1.35	2.26	118.62
09/07/2020 17:27:54	-1.35	2.26	118.62
09/07/2020 17:27:56	-1.35	2.26	118.62
09/07/2020 17:27:58	-1.35	2.26	118.62
09/07/2020 17:28:00	-1.35	2.26	118.62
09/07/2020 17:28:02	-1.35	2.26	118.62
09/07/2020 17:28:04	-1.35	2.26	118.62
09/07/2020 17:28:06	-1.35	2.26	118.62
09/07/2020 17:28:08	-1.35	2.26	118.62
09/07/2020 17:28:10	-1.35	2.26	118.62
09/07/2020 17:28:12	-1.35	2.26	118.62
09/07/2020 17:28:14	-1.35	2.26	118.62
09/07/2020 17:28:16	-1.35	2.26	118.62
09/07/2020 17:28:18	-1.35	2.26	118.62
09/07/2020 17:28:20	-1.35	2.26	118.62
09/07/2020 17:28:22	-1.35	2.26	118.62
09/07/2020 17:28:24	-1.35	2.26	118.62
09/07/2020 17:28:26	-1.35	2.26	118.62
09/07/2020 17:28:28	-1.35	2.26	118.62
09/07/2020 17:28:30	-1.35	2.26	118.62
09/07/2020 17:28:32	-1.35	2.26	118.62
09/07/2020 17:28:34	-1.35	2.26	118.62

09/07/2020 17:28:36	-1.35	2.26	118.62
09/07/2020 17:28:38	-1.35	2.26	118.62
09/07/2020 17:28:40	-1.35	2.26	118.62
09/07/2020 17:28:42	-1.35	2.26	118.62
09/07/2020 17:28:44	-1.35	2.26	118.62
09/07/2020 17:28:46	-1.35	2.26	118.62
09/07/2020 17:28:48	-1.35	2.26	118.62
09/07/2020 17:28:50	-1.35	2.26	118.62
09/07/2020 17:28:52	-1.35	2.26	118.62
09/07/2020 17:28:54	-1.35	2.26	118.62
09/07/2020 17:28:56	-1.35	2.26	118.62
09/07/2020 17:28:58	-1.35	2.26	118.62
09/07/2020 17:29:00	-1.35	2.26	118.62
09/07/2020 17:29:02	-1.35	2.26	118.62
09/07/2020 17:29:04	-1.35	2.59	118.62
09/07/2020 17:29:06	-1.35	2.59	118.62
09/07/2020 17:29:08	-1.35	2.59	118.62
09/07/2020 17:29:10	-1.35	2.59	118.62
09/07/2020 17:29:12	-1.35	2.59	118.62
09/07/2020 17:29:14	-1.35	2.59	118.62
09/07/2020 17:29:16	-1.35	2.59	118.62
09/07/2020 17:29:18	-1.35	2.59	118.62
09/07/2020 17:29:20	-1.35	2.59	118.62
09/07/2020 17:29:22	-1.35	2.59	118.62
09/07/2020 17:29:24	-1.35	2.59	118.62
09/07/2020 17:29:26	-1.35	2.59	118.62
09/07/2020 17:29:28	-1.35	2.59	118.62
09/07/2020 17:29:30	-1.35	2.59	118.62
09/07/2020 17:29:32	-1.35	2.59	118.62
09/07/2020 17:29:34	-1.35	2.59	118.62
09/07/2020 17:29:36	-1.35	2.59	118.62
09/07/2020 17:29:38	-1.35	2.59	118.62
09/07/2020 17:29:40	-1.35	2.59	118.62
09/07/2020 17:29:42	-1.35	2.59	118.62
09/07/2020 17:29:44	-1.35	2.59	118.62
09/07/2020 17:29:46	-1.35	2.59	118.62
09/07/2020 17:29:48	-1.35	2.59	118.62
09/07/2020 17:29:50	-1.35	2.59	118.62
09/07/2020 17:29:52	-1.35	2.59	118.62
09/07/2020 17:29:54	-1.35	2.59	118.62
09/07/2020 17:29:56	-1.35	2.59	118.62
09/07/2020 17:29:58	-1.35	2.59	118.62

09/07/2020 17:30:00

## Thurston, Holden Creek & Carmen Smith Digital PCB Status

Date	Station	Description	Voltage	Device Type	Point ID	Event Type	Event Description	Event								
09/07/2020 17:24:58	CARMEN S	1000 COUG	115.0	PCB	176354	STTS	STTS	TRIPPED		Cougar Side	First fault - Blue River Auto- sectionalizes Cougar and Carmen away from BES					
09/07/2020 17:25:02	HOLDEN C	7170	115.0	PCB	169891	STTS	STTS	TRIPPED		Cougar Side						
09/07/2020 17:25:02	HOLDEN C	7180	115.0	PCB	169892	STTS	STTS	TRIPPED		Cougar Side						
09/07/2020 17:25:48	HOLDEN C	7180	115.0	PCB	169892	STTS	STTS	CLOSED		Cougar Side	Blue River Loads Restored up to Open B-1460					
09/07/2020 17:25:48	HOLDEN C	7170	115.0	PCB	169891	STTS	STTS	CLOSED		Cougar Side						
09/07/2020 17:55:17	HOLDEN C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side	Holden Creek Bank #1 and Leaburg Generation Dropped					
09/07/2020 17:55:47	HOLDEN C	7160	115.0	PCB	169890	STTS	STTS	TRIPPED		Between Banks 1&2						
09/07/2020 20:03:28	HOLDEN C	7150	115.0	PCB	169889	STTS	STTS	CLOSED		Thurston Side	Holden Creek Bank #1 Restored					
09/07/2020 20:07:08	HOLDEN C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side	Holden Creek Bank #1 Again De-energized					
09/07/2020 20:25:57	HOLDEN C	7180	115.0	PCB	169892	STTS	STTS	TRIPPED		Cougar Side	Cougar - Holdern Creek Line De-Energized via SCADA					
09/07/2020 20:26:07	HOLDEN C	7170	115.0	PCB	169891	STTS	STTS	TRIPPED		Cougar Side						
09/07/2020 21:08:49	HOLDEN C	7150	115.0	PCB	169889	STTS	STTS	CLOSED		Thurston Side						
09/07/2020 21:08:57	HOLDEN C	7160	115.0	PCB	169890	STTS	STTS	CLOSED		Between Banks 1&2	Holden Creek Bank #1 Restored					
09/08/2020 16:27:38	HOLDEN C	7190	115.0	PCB	169893	STTS	STTS	TRIPPED		Thurston Side	Holden Creek - Thurston Line Deenergized					
09/08/2020 16:27:48	HOLDEN C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side						
09/08/2020 16:28:08	THURSTON	2360	115.0	PCB	33992	STTS	STTS	TRIPPED		Holden Creek						

### Thurston, Holden Creek & Carmen Smith Digital PCB Status

Date	Station	Description	Voltage	Device Type	Point ID	Event Type	Event Description	Event									
09/07/2020 17:24:58	CARMEN_S	1000 COUG	115.0	PCB	176354	STTS	STTS	TRIPPED		Cougar Side	First fault - Blue River Auto- sectionalizes Cougar and Carmen away from BES						
09/07/2020 17:25:02	HOLDEN_C	7170	115.0	PCB	169891	STTS	STTS	TRIPPED		Cougar Side							
09/07/2020 17:25:02	HOLDEN_C	7180	115.0	PCB	169892	STTS	STTS	TRIPPED		Cougar Side							
09/07/2020 17:25:48	HOLDEN_C	7180	115.0	PCB	169892	STTS	STTS	CLOSED		Cougar Side	Blue River Loads Restored up to Open B-1460						
09/07/2020 17:25:48	HOLDEN_C	7170	115.0	PCB	169891	STTS	STTS	CLOSED		Cougar Side							
09/07/2020 17:55:17	HOLDEN_C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side	Holden Creek Bank #1 and Leaburg Generation Dropped						
09/07/2020 17:55:47	HOLDEN_C	7160	115.0	PCB	169890	STTS	STTS	TRIPPED		Between Banks 1&2							
09/07/2020 20:03:28	HOLDEN_C	7150	115.0	PCB	169889	STTS	STTS	CLOSED		Thurston Side	Holden Creek Bank #1 Restored						
09/07/2020 20:07:08	HOLDEN_C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side	Holden Creek Bank #1 Again De-energized						
09/07/2020 20:25:57	HOLDEN_C	7180	115.0	PCB	169892	STTS	STTS	TRIPPED		Cougar Side	Cougar - Holdem Creek Line De-Energized via SCADA						
09/07/2020 20:26:07	HOLDEN_C	7170	115.0	PCB	169891	STTS	STTS	TRIPPED		Cougar Side							
09/07/2020 21:08:49	HOLDEN_C	7150	115.0	PCB	169889	STTS	STTS	CLOSED		Thurston Side	Holden Creek Bank #1 Restored						
09/07/2020 21:08:57	HOLDEN_C	7160	115.0	PCB	169890	STTS	STTS	CLOSED		Between Banks 1&2							
09/08/2020 16:27:38	HOLDEN_C	7190	115.0	PCB	169893	STTS	STTS	TRIPPED		Thurston Side	Holden Creek - Thurston Line Deenergized						
09/08/2020 16:27:48	HOLDEN_C	7150	115.0	PCB	169889	STTS	STTS	TRIPPED		Thurston Side							
09/08/2020 16:28:08	THURSTON	2360	115.0	PCB	33992	STTS	STTS	TRIPPED		Holden Creek							

From: OpInfo

Sent: Fri Sep 25 05:24:05 2020

To: Lovell,Bryan A (BPA) - TFEN-NORTH BEND; Wenzl,Nicholas J (BPA) - TFEF-ALVEY; Bashor,Walter B (BPA) - TFEF-ALVEY; Stephenson,Terry R (CONTR) - TFE-ALVEY; Meloy,Christopher A (BPA) - TFEB-ALVEY

Subject: production: DIR Eugene District

Importance: Normal

The information contained herein is transmission system information subject to Bonneville Power Administration's Standards of Conduct.

EUGENE Daily Interruptions Report  
Sep 24 2020 05:00 through Sep 25 2020 04:59

Customer Service Interruptions

Out Datetime (minutes)	In Datetime	Name	Duration	Type	Cause	Responsible
		System	MW	Intrpt	OPS	SPC
		Headquarter	O&M	District	Control	Center
			Outage	ID		
09/23/2020 14:36		Foster: PacifiCorp (PACW) 115kV Feeder 1		still out	Plan	Maintenance
		Customer Unknown ALV EUG Munro	216136			
09/07/2020 20:26		Blue River: Lane Elec Coop 115kV Feeder 1		still out	Auto	Tree BPA Unknown
		ALV EUG Munro	215829			

09/07/2020 17:25 Carmen PH: EWEB (Eugene OR) 115kV Feeder 1 still out Auto Weather BPA  
 Unknown ALV EUG Munro 215805

Transmission Line Interruptions

**Out Datetime In Datetime Name Duration**  
**(minutes) Outage**  
**Type Cause Responsible**  
**System Length**  
**(miles) OPS SPC**  
**Headquarter O&M**  
**District Transmission**  
**Owner**  
**NERC TADS Control**  
**Center Outage**  
**ID**

09/07/2020 20:26 Blue River tap to Cougar-Holden Creek No 1 115kV line still out Auto Tree BPA  
 0.3 ALV EUG BPAT Munro 215830  
 09/07/2020 20:26 Blue River-Holden Creek section of Cougar-Holden Creek No 1 115kV line still out  
 Auto Tree BPA 21.5 ALV EUG BPAT Munro 215830  
 09/07/2020 17:25 Cougar-Carmen Smith section of Cougar-Holden Creek No 1 115kV line still out Auto  
 Tree BPA 2.1 ALV EUG BPAT Munro 215806  
 09/07/2020 17:25 Carmen Smith tap to Cougar-Holden Creek No 1 115kV line still out Auto Tree BPA  
 18.0 ALV EUG BPAT Munro 215806  
 09/07/2020 17:25 Carmen Smith-Blue River section of Cougar-Holden Creek No 1 115kV line still out  
 Auto Tree BPA 3.6 ALV EUG BPAT Munro 215806  
 05/04/2020 08:27 Cal Young-Santa Clara 115kV line still out Plan Maintenance Foreign 2.0  
 EUG EWEB Munro 214174

Transformer Interruptions (bulk electric system only)

**Out Datetime In Datetime Name Voltage**  
**High (kV) Voltage**  
**Low (kV) Duration**  
**(minutes) Outage**



**Type Cause Responsible**  
**System OPS SPC**  
**Headquarter O&M**  
**District Transmission**  
**Owner**  
**NERC TADS Control**  
**Center Outage**  
**ID**

No Outages Reported

Additional Information

09/25/2020 05:00 **Thermal Generation PNW/PSW Intertie**

Boardman<sup>1</sup> 718 AC Schedule<sup>2</sup> 2354

Centralia 1<sup>1</sup> 604 Actual<sup>1</sup> 2533

Centralia 2<sup>1</sup> 619 DC Schedule<sup>2</sup> 2122

Columbia Generating Station<sup>1</sup> 1148 Actual<sup>1</sup> 2101

Notes: <sup>1</sup>SCADA, megawatts, instantaneous value; <sup>2</sup>Rotary Account, megawatts, integrated hourly value ending

**SUMMARY OF OUTAGES**

**Automatic**

	Equipment Back in Normal Service						Still	Total
	0 min	01-30	31-60	Hour+	Total Out	Reported		
Customer	0	0	0	0	2	2		
Transmission	0	0	0	0	5	5		
Transformer	0	0	0	0	0	0		
Total	0	0	0	0	7	7		

**Planned**

	Equipment Back in Normal Service					Still	Total
	0 hrs	01-08	09-24	24+	Total Out	Reported	
Customer	0	0	0	0	1	1	
Transmission	0	0	0	0	1	1	
Transformer	0	0	0	0	0	0	
Total	0	0	0	0	2	2	

[External version of the Daily Interruptions Report](#)

[Outage History \(OARS\) and historical Daily Interruptions Reports](#)

For content-related issues contact Denise Allen 360.418.2908.

For email distribution-related issues contact Ralph Erdmann 360.418.2333.

Please do not reply to this email as it is sent from a mailbox that is not routinely monitored.