

Created On: Tuesday, 07/13/2021

MAN ON LINE



<b>Line Or Apparatus</b>	Caribou-Westwood 60kV Line Section (Hamilton Branch-Westwood) Cleared		
<b>Limits</b>	HAMILTON BRANCH 39, 97, 99 WESTWOOD 23, 25		
<b>Clearance Issued To</b>	[REDACTED]	<b>At</b>	
<b>By</b>	[REDACTED]	<b>DateTime</b>	07/13/2021 08:34:00
<b>Reported Clear By</b>			
<b>DateTime</b>			
<b>Work Card Number</b>	T21-008310		



# CRITICAL

\*\*\* D-R-A-F-T \*\*\*  
ELECTRIC OPERATIONS

<input checked="" type="checkbox"/> CLEARANCE	<input type="checkbox"/> HOT WASH	<input type="checkbox"/> TEST PROGRAM
<input type="checkbox"/> NON-TEST	<input type="checkbox"/> DEAD WASH	<input type="checkbox"/> CUSTOMER WORK
<input type="checkbox"/> RELAY WORK	<input type="checkbox"/> NOTIFICATION	<input type="checkbox"/> COMMUNICATION

TAFW # T21-008310

CONTROL CENTER: Table Mtn Received By: [REDACTED] Date: 04/28/21 Time: 0738

Requested By: [REDACTED] Phone: [REDACTED] Pager: N/A Cell: [REDACTED] FAX: N/A

Requested For: [REDACTED] Phone: N/A Pager: N/A Cell: [REDACTED] Radio: N/A

Start Day/Date: Tuesday, July 13, 2021 Start Time: 0800 Switching Times: From: 0700 To: 0800

End Day/Date: Friday, July 16, 2021 End Time: 1700 Switching Times: From: 1700 To: 1700

Line or Apparatus: Caribou-Westwood 60 kV Line Hamilton Branch-Westwood SECT

Clearance Limits: HAMILTON BRANCH 39, 97, 99 WESTWOOD 23, 25

Purpose: T-Line to replace poles 015/309, 016/339, 017/360, 018/364, 018/365, 019/384, 019/396

Work Location: Poles 015/309, 016/339, 017/360, 018/364, 018/365, 019/384, 019/396

Crew Special Setups Required For Work: Please provide fault duty

Phasing/Rotation Req: Yes:  No:  Location: N/A Emergency Restore time: 3 Hours

Weather: NOT A FACTOR PM # 31511053 PM Operation # N/A

Additional Clearance/Equipment Required: N/A LOG#: \_\_\_\_\_

Operations Special Setups Required For Switching or Work: LMUD TO ISLAND OWN LD WITH HONEY LAKE- CHK WESTWOOD CB 52 OPEN. OPEN WESTWOOD CB 22 SEP PARA ESTABLISHING ISLAND (WORKNG WITH HONEY LAKE AND LMUD) CHK WESTWOOD 65 OPEN & \*\*\* continued on page two \*\*\*

Operation Engineer	Review Req. Yes <input checked="" type="radio"/> No <input type="radio"/>	Sent: 07/12/21	Review Complete	Date: 07/12/21	By: [REDACTED]
Protection Engineer	Review Req. Yes <input checked="" type="radio"/> No <input type="radio"/>	Sent: 04/28/21	Review Complete	Date: 06/09/21	By: [REDACTED]
Control Center OK	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date: 04/28/21			By: [REDACTED]
CAISO via GCC/EPOS	Sent For Approval	Date: 07/12/21	Approved	Date: 07/12/21	By: [REDACTED]
Adjacent CCNTR Notified:	By: _____	Date: _____	Time: _____		
N/A					
Concerned Parties Notified:	By: _____	Date: _____	Time: _____		
[REDACTED]					
Switchman Requested:	By: _____	Switchman Location/Date/Time:	Date sent:		
TABLE MAINT		WESTWOOD			
TABLE TLINE		HAMILTON BRANCH			

Operations Special Setups Required for Switching Work: (Continued)

OPEN 63 DE ENERGIZING . CHK HAMILTON BRANCH 97 & 99 OPEN. OPEN HAMILTON BRANCH 39 DE ENERGIZING. CLO WESTWOOD CB 52 (TO KEEP STA HOT). GO TO T21-006997 TEST PROGRAM FOR GO BACK.

Remarks and additional information:

Scheduled date change - Old Start Date: 07/12/21 New Start Date: 07/13/21 Old End Date: 07/16/21 New End Date: 07/16/21 on 7/12/2021 by [REDACTED]

Protection Engineer Requirements:

- Fault duties:

015/309: 3,920A

016/339: 3,680A

017/360: 3,540A

018/364: 3,520A

019/384: 3,390A

019/396: 3,330A >>> Protection Engineer Requirements By [REDACTED] on 6/9/2021 1:57:20 PM

Operation Engineer Requirements:

\*\*\*\*\*  
OE requirements for 7/13/2021-7/16/2021. If date or time change is needed a re-review of OE requirements may be needed.

Re-reviewed: 7/12/2021

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===== PRE-CLEARANCE REQUIRMENTS =====

OE ASSUMPTION:

\* Mt Lassen Power, Big Valley, and Burney is in a longer term shutdown

OVERLAPPING CLEARANCE CONSIDERED:

\*Pit #1 Bk 3/12 and 11kV Bus Section (T21-009364) 5/25/2021-7/14/2021

CONDITIONAL REQUIREMENT:

\*Confirm the following equipment are in-service:

-- Hat Creek #1-Pit#1 60kV line

-- Hat Creek #1-Westwood 60kV line

HAT CREEK 60kV LINE REGULATOR

\* Confirm REG in Auto

SWITCHING SETUP SUMMARY:

\* LMUD will island with Honey Lake Power for the clearance

\* Clear Caribou-Westwood 60kV line between:

-- Hamilton Branch SW 39, 97 and 99

--Mount Lassen SW73

-- Westwood SW 23 and 25

\*NOTE: Westwood CB52 will be close for the clearance (to keep Westwood bus energize)

===== REAL TIME - NORMAL OPERATION =====

\*No Additional OE Requirement

===== REAL TIME - EMERGENCY CONDITIONS =====

\*No Additional OE Requirement

===== CUSTOMER AT RISK =====

CUSTOMER AT RISK OUTAGE SUMMARY:

\*Total Customer at Risk for Clearance: 6,588  
\*Customer dropped by largest N-1: 6,588

\*Customers will be dropped if any of the following is lost:  
-Caribou-Westwood 60kV line

CUSTOMER AT RISK OUTAGE DETAIL:

1. CUSTOMER AT RISK:

1a. Outage: Caribou-Westwood 60kV line  
1b. Customer Impact: 6,588 total customers  
\*Hamilton Branch (2,310)  
\*Chester (1,658)  
\*Big Meadows (2,620)

1c. Emergency Clearance Restoration Time: 3 Hours

>>> Operations Engineer Requirements By: [REDACTED] on 7/12/2021 1:20:20 PM

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# SWITCHING LOG

Switching Log Number: T21-008310

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GCC NORTH STATE

Purpose: CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) & RESTORE

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
1.	GCC NS	VERIFY	---	ENGINEERING REQUIREMENTS MET	-	[REDACTED]	0658	-
2.	↓	UPDATE	---	TOTL	↓	↓	0658	↓
3.	↓	NTFY	---	CARIBOU OF INTENT	↓	↓	0659	↓
4.	↓	NTFY	---	PIT #3 OF INTENT	↓	↓	0700	↓
5.	↓	NTFY	---	NDCC OF INTENT	↓	↓	0701	↓
6.	↓	NTFY	---	LMUD OF INTENT; LMUD/ [REDACTED] REQUESTS TO ISLAND WITH HONEY LAKE	↓	↓	0702	↓
7.	↓	NTFY	---	HONEY LAKE OF INTENT TO ISLAND WITH LMUD [REDACTED]	↓	↓	0717	↓
8.	HAMILTON BRANCH EMS	CHK	99	OPEN TAGGED REMOTE MOL	↓	↓	0717	↓
9.	MT LASSEN POWER EMS	CHK	---	OPEN JUMPERS LINE SIDE OF MT LASSEN POWER SW 73	↓	↓	0717	↓
10.	HAT CREEK #1 SCADA	READ	32	LD 21x3 -2 25	↓	↓	0718	↓
11.	↓	READ	REG-1	VOLTS: 62KV POS: +3	↓	↓	0718	↓
12.	↓	PLACE	REG-1	ON MAN TAG CAUT	↓	↓	0719	↓

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
[REDACTED]	6/28/2021	[REDACTED]	6/28/21	[REDACTED]	6-28-21	[REDACTED]	7/13/21

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# SWITCHING LOG

Switching Log Number: T21-008310

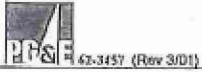
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Purpose: CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) &amp; RESTORE

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
13.	WESTWOOD SCADA	CHK	52	OPEN	-	[REDACTED]	0710	-
14.	↓	PLACE	52	ON MAN TAG CAUT	↓	↓	0710	↓
15.	↓	PLACE	---	60KV AVC ON MAN TAG CAUT	↓	↓	0710	↓
16.	↓	CHK	STEP C2	OPEN	↓	↓	0721	↓
17.	↓	CHK	STEP C3	OPEN	↓	↓	0721	↓
18.	↓	CHK	STEP C4	OPEN	↓	↓	0721	↓
19.	↓	PLACE	22	ON MAN TAG CAUT	↓	↓	0721	↓
20.	↓	G/OUT	22	CARIBOU DTT TAG CAUT	↓	↓	0722	↓
21.	↓	G/OUT	22	LMUD DTT TAG CAUT	↓	↓	0722	↓
22.	GCC NORTH	NTFY	---	HONEY LAKE OF INTENT & VERIFY READY TO ESTABLISH ISLAND [REDACTED]	↓	↓	0754	↓
23.	WESTWOOD SCADA	CHK	22	NO LD	↓	↓	0754	↓
24.	↓	OPEN	22	C/OPEN TAG CAUT SEP PARA ESTABLISH LMUD ISLAND	↓	↓	0754	↓

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
[REDACTED]	6/28/2021	[REDACTED]	6/28/21	[REDACTED]	6-28-21	[REDACTED]	7/13/21

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# SWITCHING LOG

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GCC NORTH STATE

Purpose: CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) & RESTORE

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
25.	WESTWOOD SCADA	CHK	22	BUS POT ON	-		0754	-
26.	GCC NS	NTFY	---	SDV OF ISLAND CONDITION			0755	L
27.	↓	NTFY	---	LMUD OF ISLAND CONDITION			0757	L
28.	WESTWOOD	CHK	52	OPEN AT CONT	0759		0802	0817
29.	↓	CHK	52	ON MAN			L	L
30.	↓	PLACE	52	ON LOCAL TAG CAUT			L	L
31.	↓	CHK	22	OPEN AT CONT			0803	L
32.	↓	CHK	22	ON MAN			L	L
33.	↓	PLACE	22	LOCAL TAG CAUT			0804	L
34.	↓	CHK	STEP C2	OPEN AT SEMAPHORE			L	L
35.	↓	CHK	STEP C3	OPEN AT SEMAPHORE			L	L
36.	↓	CHK	STEP C4	OPEN AT SEMAPHORE			L	L
37.	↓	CHK	52	OPEN AT SEMAPHORE			0806	L

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
	6/28/2021		6/28/21		6-28-21		7/13/21

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# SWITCHING LOG

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Purpose: **CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) & RESTORE**

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
38.	WESTWOOD	CHK	22	OPEN AT SEMAPHORE	0759		0807	0817
39.	↓	OPEN	23	COL&T MOL DE-ENERGIZE			0808	
40.	↓	CHK	25	OPEN LOCKED TAG MOL			L	
41.	↓	CHK	65	LOCKED OPEN TAG CAUT			0810	
42.	↓	OPEN	63	COL&T CAUT DE-ENERGIZE			0811	
43.	↓	CLO	52	C/CLO ENERGIZE WESTWOOD 60KV BUS			0813	
44.	↓	CHK	52	BUS POT ON				
45.	↓	RESET	---	ALL STA ALARMS & ANNUNCIATORS				
46.	↓	RT PLACE	52	TO REMOTE				
47.	WESTWOOD SCADA @ 7113	C/IN	52	RESTORE TAG CAUT	0831		0831	0831
48.	Westwood @ 7113 ↓ SCADA	RT PLACE	52	TO AUTO	-		0832	-
49.	↓	RT PLACE	---	60KV AVC TO AUTO	L	L	0834	L
50.	HAT CREEK #1 SCADA	READ	32	LD 21x3 -2 -5	-		0802	-

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
	6/28/2021		6/28/21		(-2)-(-2)		7/13/21





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GCC NORTH STATE

Purpose: CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) &amp; RESTORE

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
51.	HAT CREEK #1 SCADA	RT PLACE	REG-1	ON AUTO	-		0402	-
52.	CARIBOU SCADA	READ	62	LD 76x3 140	L	L	0402	L
53.	↓	CHK	62	LINE TEST C/OUT	L	L	0403	L
54.	HAMILTON BRANCH SCADA	CHK	97	OPEN TAG CAUT	L	L	0404	L
55.	HAMILTON BRANCH	CHK	97	OPEN AT SWITCH	0404		0406	0415
56.	↓	CHK	97	OPEN AT CONT	L	L	L	L
57.	↓	PLACE	97	TO LOCAL TAG CAUT	L	L	L	L
58.	↓	C/OUT	97	MOTOR CONT POWER TAG CAUT	L	L	0407	L
59.	↓	DE-COUPLE	97	OPERATING MECHANISM LOCK TAG MOL	L	L	0408	L
60.	↓	OPEN	39	COL&T MOL DE-ENERGIZE	L	L	0412	L
61.	WESTWOOD SCADA	CHK	22	LINE POT OFF	-		0415	-
62.	GCC NS	UPDATE	---	EMS	L	L	0415	L

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
	6/28/2021		6/29/21		6-28-21		7/13/21

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62-3457 (Rev 3/01)

## SWITCHING LOG

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## GCC NORTH STATE

Purpose: CLEAR CARIBOU-WESTWOOD 60KV LINE (HAMILTON BRANCH TO WESTWOOD SECT W/ LMUD ISLAND) &amp; RESTORE

OPER NUM	Station or Location	Operation	Apparatus Number	Instructions	Time Given	Executed By Person	Time Executed	Time Reported
63.	GCC NS	UPDATE	---	TOTL	-		0434	-
63A	FIELD/CREW	REPORTS	-	WORK DOES NOT VIOLATE TD-14645	-		0401	-
64.	FIELD/CREW	---	---	REPORTS ON A SECT OF THE CARIBOU-WESTWOOD 60KV LINE BET: HAMILTON BRANCH 39, 97, 99 & WESTWOOD 23, 25 USING <u>CRS</u> PER TAILBOARD FORM	L		0434	L
65.	FIELD/CREW	---	---	REPORTS OFF A SECT OF THE CARIBOU-WESTWOOD 60KV LINE BET: HAMILTON BRANCH 39, 97, 99 & WESTWOOD 23, 25 WITH _____ REMOVED PER TAILBOARD FORM				
66.	FIELD/CREW	---	---	CLEARANCE HOLDER CONFIRMS HAS VISUALLY INSPECTED THE CLEARED AREA FOR WORKERS, GROUNDS, AND EQUIPMENT IN THE CLEAR, AND EQUIPMENT IS BEING RETURNED IN THE SAME STATE AS RECEIVED.				
67.	GCC NS	UPDATE	---	TOTL				
68.	↓	GO TO	----	TEST PROGRAM: T21-006997 OPER #1				

Switching Prepared By:	Date:	Switching Checked By:	Date:	Switching Checked by:	Date:	Switching Directed By:	Date:
	6/28/2021		6/28/21		6-23-21		7/13/21
					7/13/21		

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