

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Plumas / Canyon Dam*

- ☐ SAFETY BRIEF SIGN IN *PG&E 21-02158*
- ☐ GHI CREW INTRODUCTION *N7776H or N2116H*
- ☐ IS A TRANSLATOR REQUIRED *NON-CAP*
- ☐ WORK STOP AUTHORITY *Pole equipment Loss 2800LBS*
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN / FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW

Pilot:

Support Crew:

Location:

Mission:

Aircraft:[illegible]

Pilot:

Support Crew:

Location:

Mission:

Aircraft:[illegible]

Tailboard & Helicopter Safety Briefing

Pilot:**Location:****Aircraft:**[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc.
	CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

21-02198 Request Summary (Guardian Helicopters)



Requestor	Jared Merkle	Request Date	09/10/2021
LAN ID	j8m0	Work Type	Lift Work
Phone		Lift Work Type	Cargo
Cell		For Contractor	Yes
LOB	Electric Transmission Line		PAR
Vendor	Guardian Helicopters		

Work Dates

09/15/2021 - 09/16/2021 UH-1H

Approver	Supervisor John P Whitaker (JPWI)	JpWi@pge.com	(C) (530) 228-1479
Foreman	Gabriel Griffiths (G3GN)	(P) (785) 338-1785	(C) (785) 338-1785

Scope of Work PLUMAS COUNTY
CARIBOU-WESTWOOD
CAP- NIL
DISPATCH NOTIFICATIONS- RODGERS FLAT HYDRO

USFS/NATIONAL PARK TERRITORY- PLUMAS NATIONAL FOREST
APPROVAL RECEIVED- YES

SCOPE- REPLACING BURNT POLES BETWEEN STRUCTURES (0/13 to 6/127) . LARGEST
POLE IS 80' CL. 1 AT MAX 3600LBS

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS. PARKING LOT WILL BE CLEAR PER REQUESTOR.
LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT- 120 FEET DIAMETER

WLS- OK, NOTE TREES (BURNED) WITHIN CLOSE PROXIMITY AND HILL TERRAIN.

**DUST/TRAFFIC MITIGATION TO BE PROVIDED BY PGE.

HEC ON REQUEST 1975 WITH A&P. USING SEPERATE LZS.

Daily Information

09/15/2021 - 09/16/2021

Reason for Request in Less than 10 Days:

Unscheduled Outage

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

08:00 - LZ	CANYON DAMN BOAT RAMP	40 10.75'N 121 05.68'W	<no headquarters>	<no county>	5000 ft
-------------------	-----------------------	---------------------------	-------------------	-------------	---------

21-02198 Request Summary (Guardian Helicopters)

--- - Work Location

60018 CARIBOU-WESTWOOD 60 KV 40 05.47'N Line #: START 0/13 TABLEMTN <no county> 5000 ft
121 08.72'W

--- - Work Location

60018 CARIBOU-WESTWOOD 60 KV 40 10.02'N Line #: 6/127 TABLEMTN <no county> 5000 ft
121 05.99'W

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	3600.0 lbs
Special Equipment	Remote Hooks, Grapple	Billing Number	31549093 100%
Comments	replacing burnt Poles on Caribou- Westwood 60kV from Caribou to Big Meadows section between (0/13 to 6/127).	Req. Notifications	---

Talk About #	105	Talk Group	105	Talk Radio #	105
CC Recipients	JDDO@PGE.COM				

21-02198 (Guardian Helicopters) - September 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15 08:00 -16:00 UH-1H CANYON DAMN 40 10.75'N 121 05.68'W	16 08:00 -16:00 UH-1H CANYON DAMN 40 10.75'N 121 05.68'W	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9



SECTION 7

Part 135 GH 4A Part 133 GH 4L
NON- Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET
Fillmore CA. 93015

Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: PG&E HEC WORK ORDER #: 21-02198

ADDRESS: VOLCANIC LEGACY SCENIC BYPASS HWY 89 CITY: WESTWOOD STATE: CA.

LZ STAGING AREA 40°10'44.90"N 121° 5'41.08"W

START 40° 5'28.20"N 121° 8'43.20"W

END 40°10'1.20"N 121° 5'59.40"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: JOHN WHITAKER PHONE#: 530-228-1479

CONTACT FORMAN: GABRIEL GRIFFITTS PHONE#: 785-338-1785

PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166

2. BUCKEY MACKAY CERT #: 2778051

3. MICHAEL KLINK CERT#: 3018828

4. IAN GOODALE CERT#: 3741973

5. ROSS GOULET CERT#: 3396777

TYPE OF AIRCRAFT: BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTED

BELL 407 N# N407GH A/C CATEGORY: STANDARD

BELL 407 N# N447GH A/C CATEGORY: STANDARD

BELL 205A1 N# N216GH A/C CATEGORY: STANDARD

BELL 205A1 N# N211GH A/C CATEGORY: STANDARD

AS350 B2 N# N498PT A/C CATEGORY: STANDARD

AS350 B3 N# N718GH A/C CATEGORY: STANDARD

AS350 B3 N# N215GH A/C CATEGORY: STANDARD

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS
WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: POLES AND EQUIPMENT LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒

NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 150 FT (LENGTH) OPERATIONAL

ALTITUDE: < 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-15-2021	SUNRISE	SUNSET	8-18-2021
9-16-2021	SUNRISE	SUNSET	8-18-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
PRATTVILLE ALMANOR FIRE DEPART	530-259-3822	DISPATCH	NOTIFIED
CHESTER SHERIFF	530-258-3111	DISPATCH	NOTIFIED

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☐ Yes ☒ No

☐ Evacuated Structures

☒ Contractor

☒ Contractor

☐ Operator



Part 135 GH 4A Part 133 GH 4L

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
ONE STRUCTURE NEAR LZ STAGING AREA	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	VACANT DURING OPS	HAND DELIVER

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

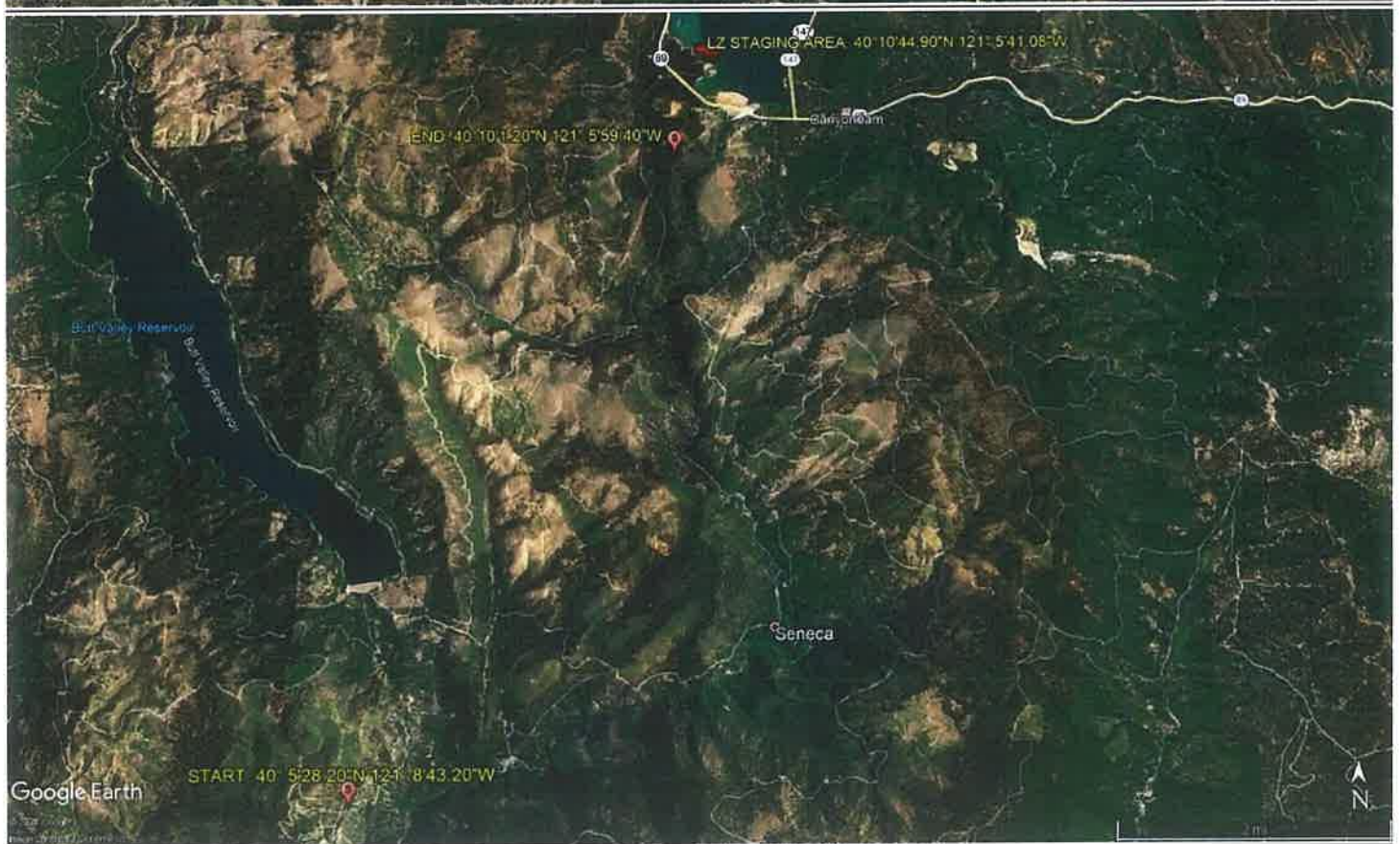
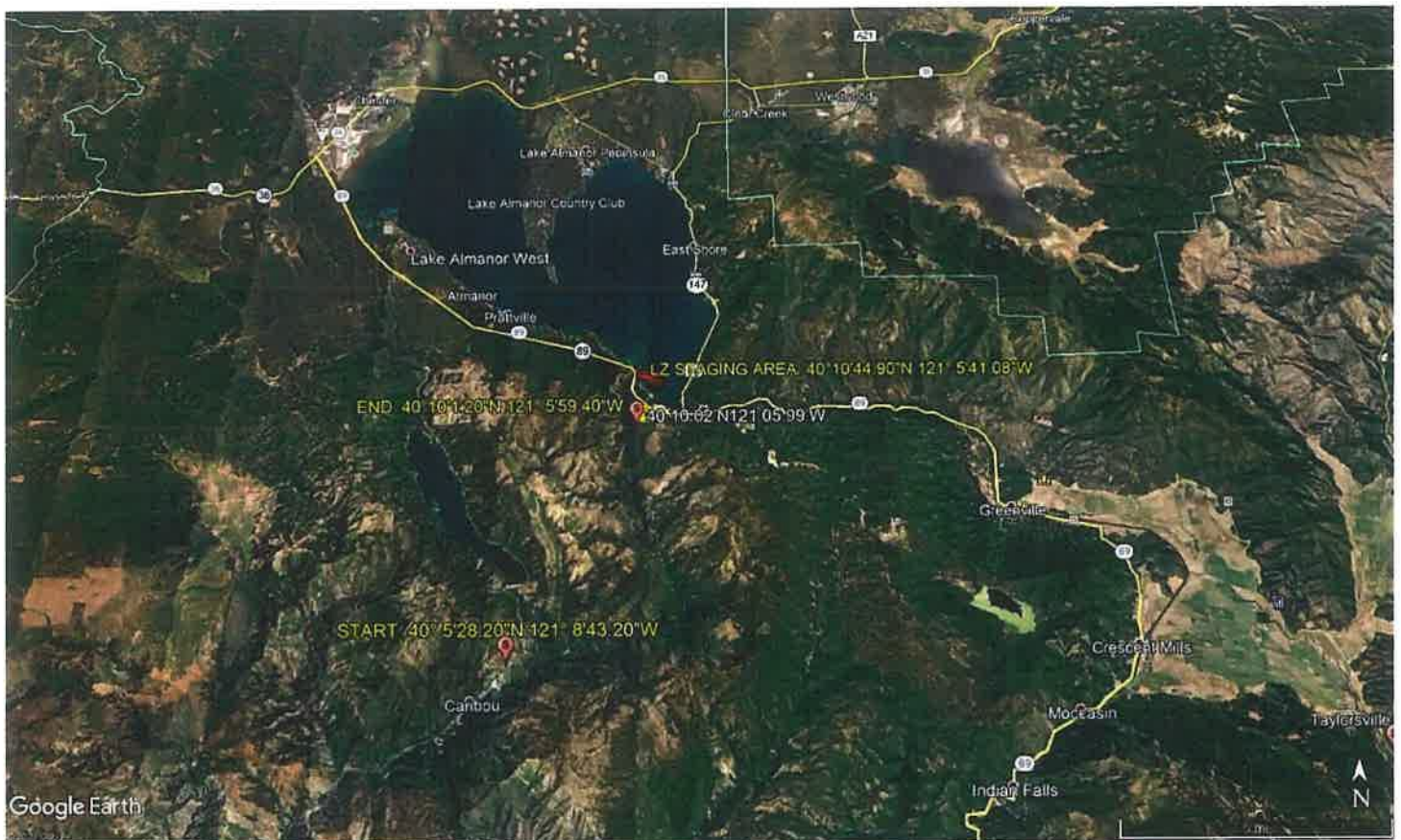
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. HELICOPTER WILL LAND AT LZ TO CONDUCT TAILBOARD AND HEC TRAINING
2. WATER TRUCK IS REQUIRED AT LZ
3. EQUIPMENT WILL BE AT THE LZ STAGING AREA
4. REMOTE AREA NO STREET CLOSURE FLAGMAN NEAR LZ
5. NO EVACUATIONS
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS REQUIRED

LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH		
LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	





Jeffrey M. Teubner

9-10-2021
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator