

GUARDIAN

HELICOPTERS, INC.

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: Eldorado County / Kyburz

- ☐ SAFETY BRIEF SIGN IN
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ 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

PGE 21-01236

Non-cap

Spole largest 60 H1 3300LBS
Customer checking weight will provide
Smallest in class

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

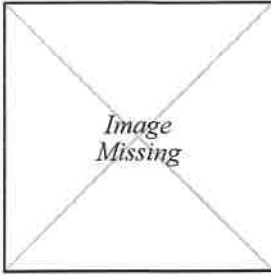
PROCEDURES

- ☐ 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

Non-compliance with established procedures may result in your removal from the mission

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 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 ☐ IMSAFE Acronym Pilot fatigue mitigation must be briefed prior to work	☐ 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. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

21-01236 Request Summary



Requestor Elizabeth A Gifford
LAN ID EAGO
Phone
Cell (707) 592-6883
LOB Electric Distribution
Vendor Guardian Helicopters

Request Date 06/17/2021
Work Type Lift Work
Lift Work Type Cargo
For Contractor Yes
WILSON

Work Dates
07/13/2021 UH-1H

Approver Supervisor Nathan M Walkup (NMW3) NMW3@pge.com (C) (530) 682-6668

Scope of Work EL DORADO COUNTY
EL DORADO 2101
CAP- NIL
DISPATCH NOTIFICATIONS- EL DORADO SHERIFF

USFS/NATIONAL PARK TERRITORY- EL DORADO NATIONAL FOREST
APPROVAL RECEIVED- YES

THIRD PARTY CONTACTS-
REQUESTOR- STEVE WIRTH 503-459-6339
FOREMAN- MATT GREENE 480-226-2282
PGE PM- KATIE HORRAX 503-476-4803

SCOPE- SET A 60' H1 3, (400 LBS FRAMED) WITH 3 GRAVEL BAGS|| 50' CL3 (1,600LBS FRAMED) WITH 2 GRAVEL BAGS || 35' CL5 (800LBS FRAMED) WITH 1 GRAVEL BAG|| EACH GRAVEL BAG HAS A WEIGHT OF 1000LBS

LZ/WORK LOCATION INFORMATION-
LZ- OK, LZ APPROVAL RECEIVED BY LAND OWNER
LZ DIAMETER VERIFIED FOR TYPE # 2 AIRCRAFT- 125 FEET DIAMETER|| FLY PATH WILL STAY WEST OF HABITAT IN THE AREA

WL- OK, TREES|| BETWEEN TWO HILLS|| CABINS IN CLOSE PROXIMITY WILL BE EVACUATED, WL OVER 400' FROM HWY 50

**DUST AND TRAFFIC MITIGATION WILL BE PROVIDED PGE/REQUESTOR

Daily Information

07/13/2021

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

21-01236 Request Summary

09:00 - LZ LZ 38 45.66'N <no headquarters> <no county> 4968 ft
120 19.54'W

--- - Work Location

EL DORADO PH 2101 21KV 38 45.74'N Line #: WL 1 101398139 SIERRA <no county> 3949 ft
120 19.99'W

--- - Work Location

EL DORADO PH 2101 21KV 38 45.84'N Line #: WL 2 101398130 (2 POLES) SIERRA <no county> 3949 ft
120 20.46'W

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	3400.0 lbs
Special Equipment	35144191 LOC 1 & 2	Billing Number	35144189-35144191 100%
	35144189	Req. Notifications	---

Comments THERE ARE CABINS IN
PROXIMITY OF THESE POLES
THEY WILL BE EXACUATED PER
REQUESTOR

I WOULD LIKE TO SET UP A JOB
WALK WITH THE CHOSEN
VENDOR TO AVOID ANY LAST
MINUTE CANCELCTIONS. THIS
JOB SHOULD NOT BE FIELDDED
OFF GOOGLE EARTH.

Talk About #	WILSON	Talk Group	WILSON	Talk Radio #	WILSON
	CHANNEL 2		CHANNEL 2		CHANNEL 2

21-01236 - July 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13 09:00 -17:00 UH-1H LZ 38 45.66'N 120 19.54'W	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7



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 POLE SET WORK ORDER #: 21-01236

ADDRESS: HWY 50 CITY: KYBURZ STATE: CA

LZ STAGING AREA LATITUDE 38°45'39.49"N LONGITUDE 120°19'32.30"W ELEV 4100 FT

STRUCTURE 1 38°45'44.43"N 120°19'59.10"W (1) 50 CL 3 1600 LBS

STRUCTURE 2-3 38°45'50.30"N 120°20'27.67"W (1) 60 H1 3300 LBS (1) 35 CL 5 899 LBS

CONTACT REQUESTOR: STEVE WIRTH PHONE#: 503-459-6339

WILSON CONSTRUCTION 5030 HILLSDALE CIRCLE ELDORADO CA 95762

CONTACT FORMAN: MATT GREENE PHONE#: 480-226-2282

PILOT'S NAME(S):

- | | |
|-------------------------|------------------------|
| 1. <u>JOHN OLSON</u> | <u>CERT #: 2769166</u> |
| 2. <u>BUCKEY MACKAY</u> | <u>CERT #: 2778051</u> |
| 3. <u>MICHAEL KLINK</u> | <u>CERT#: 3018828</u> |
| 4. <u>IAN GOODALE</u> | <u>CERT#: 3741973</u> |
| 5. <u>ROSS GOULET</u> | <u>CERT#: 3396777</u> |

TYPE OF AIRCRAFT:

BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTED
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD

IF RESTRICTED CATEGORY AIRCRAFT IS USED THERE IS A CLEAR FLIGHT PATH INTO THE PART 133 LANDING ZONE. UNPOPULATED.

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

TYPE OF LIFTS: (10) ↓ (10) ↑ (1) POLES 60 FT H1 (1) 50 CL 3 1600 LBS (1) 35 FT CL 5 800 LBS (6)
GRAVEL, (3) EQUIPMENT MAX 3400 LBS LOAD: EXT CL B

60 FT POLE 10 FT RIGGING 200 FT LONGLINE = MAX 270 FT TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 200 FT (LENGTH)

OPERATIONAL ALTITUDE: < 500 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
7-13-2021	SUNRISE	SUNSET	6-21-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
EL DORADO COUNTY SHERIFF	530-621-5655	DISPATCH	NOTIFIED
EL DORADO COUNTY FIRE DISTRICT	530-644-9630	STATION 16	NOTIFIED

Evacuation

- ☐ No Evacuated Structures
☒ Evacuated Structures

Crowd Control

- ☒ Operator
☒ Contractor

Street Closure

- ☒ Yes ☐ No
☒ Contractor
☐ Operator



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

FLAGMAN WILL BE PROVIDED BY WILSON CONSTRUCTION SEE CONTACT LIST ABOVE

LIST OF BUILDINGS THAT SHALL BE UNOCCUPIED DURING OPERATIONS:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
CABINS WITH IN 300 FT OF POLE SITE	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.

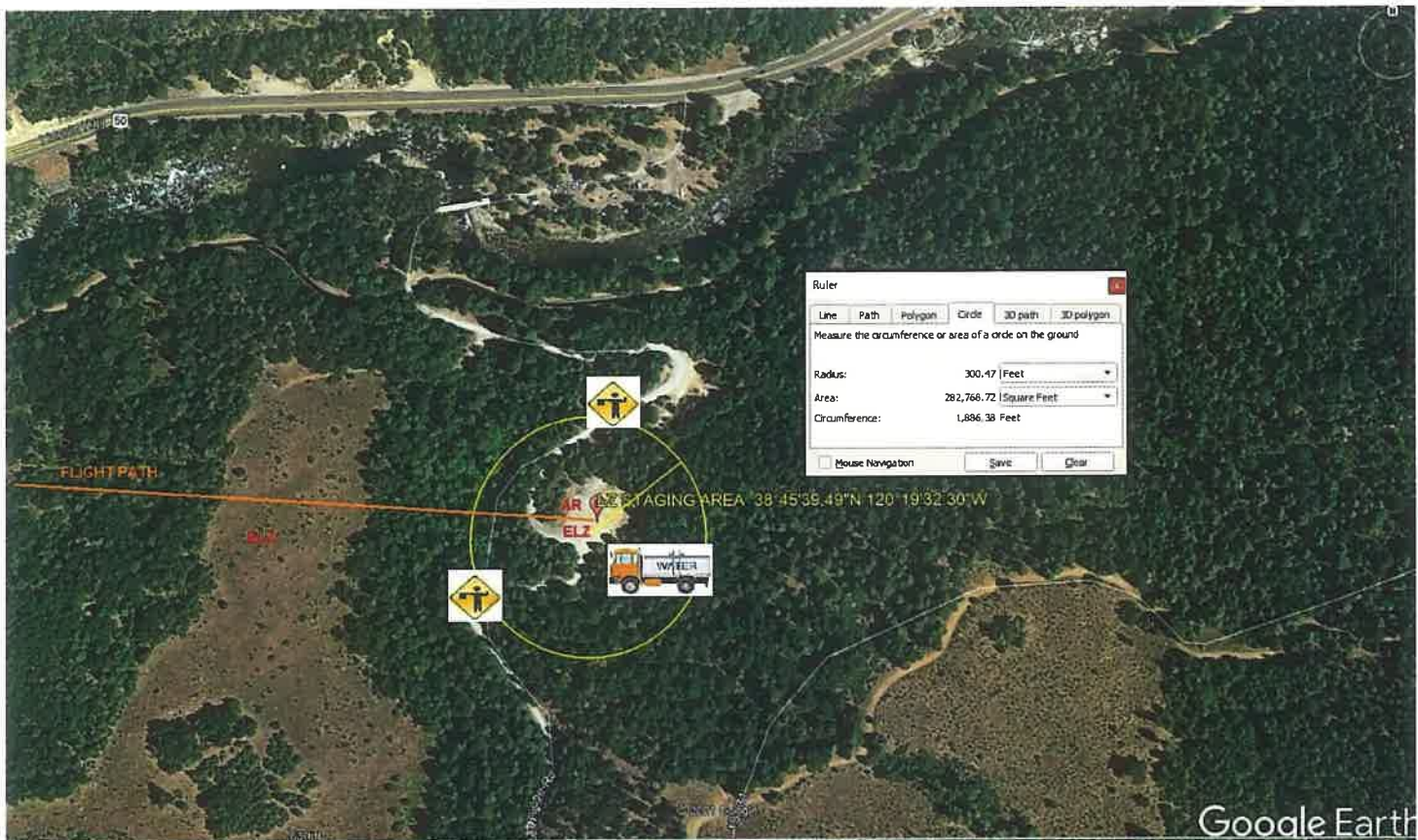
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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 THE LANDING ZONE TO CONDUCT TAILBOARD.**
- 2. THE NEW POLE WILL BE STAGED AT THE LZ**
- 3. TAILBOARD WILL BE CONDUCTED AT LANDING ZONE**
- 4. WATER TRUCK IS REQUIRED AT LANDING AREAS**
- 5. EVACUATIONS PER DIAGRAM**
- 6. STREET CLOSURE AT POLE STAGING AREA SEE DIAGRAM**
- 7. TREE TRIMMING IF 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)	

6-21-2021

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator



Dear neighbor,

Guardian Helicopters Inc is a subcontractor of PACIFIC GAS AND ELECTRIC COMPANY (PG&E). We will be working in your neighborhood to upgrade its electrical facilities to provide you a modern and reliable power grid. Your safety is our highest priority during this construction activity. We apologize for any inconvenience this may cause and will make every effort to minimize potential impacts during construction activities. Thank you for your patience as we complete these upgrades for you.

Upgrades in Your Area

We will be using a helicopter to set new utility pole.

What to Expect

- **Federal Aviation Administration regulations require we take certain precautions to ensure the safety of the public during our operation. To do this your residence must be completely vacated while the helicopter sets the new utility pole. At no time will our helicopter over fly any residence with a load attached.**
- **NO STREET CLOSURES**
- Guardian Helicopters primary concern during this operation is the general safety of the general public. We recommend measure to ensure the safety and control of any livestock during the period of helicopter operations.
- Work Timeline*
- Date: **7-13-2021**
- Hours: 8:00 a.m. – 6:00 p.m.

The timeframe for the evacuation is approximately 120 minutes once all residents have left.

A Guardian Helicopter Inc representative will make contact with you and/or any responsible persons at your residence with further instructions shortly before the aircraft operation is to take place. Please notify all family members, workers, or anyone who may be at your residence on this date of the evacuation. It is important to us that our activity presents as little inconvenience to you as possible.

Project Area

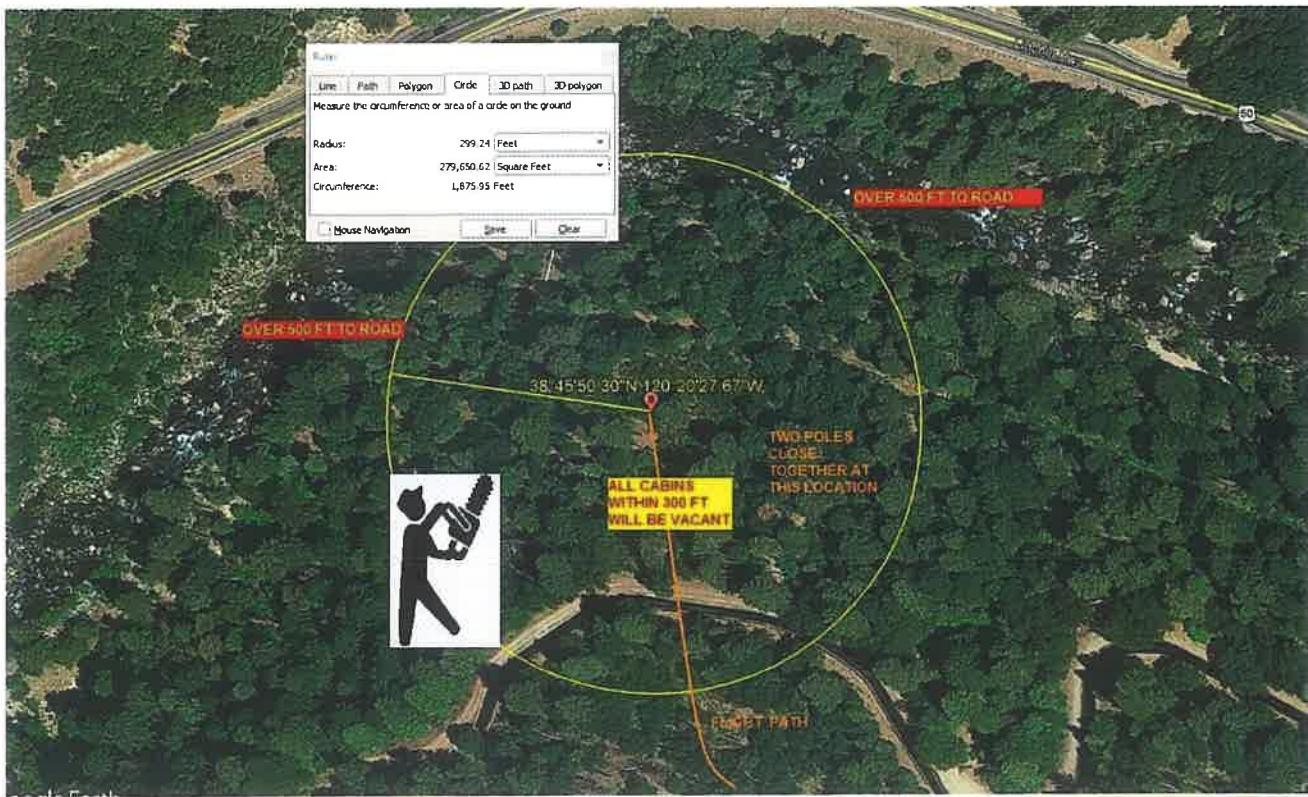
THE POLES BEING REPLACED ARE SOUTH OF LINCOLN HWY EAST SEE DIAGRAM

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
ALL CABINS WITHIN 300 FT OF OPERATIONS AREA SEE DIAGRAM	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	VACANT DURING OPS	HAND DELIVER

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Safety Tips

- Please close and secure back yard umbrellas and canopies
- Close all doors and windows to prevent dust from entering your home
- If possible, ensure your animals are secure or clear of the area.

If you have any questions or concerns please feel free to give me a call. In addition, I will be on site and can be reached on my cell phone.

Best regards,

A handwritten signature in black ink that reads "Jeffrey M. Teubner". The signature is written in a cursive, flowing style.

Jeffrey M. Teubner

Flight Coordinator

818-442-9904 office

818-621-3794 cell