

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ 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

Goleta CA 6-18-2019
NON-CAP
(2) Poles (1) 45c11 (1) 55H1 2995CBS
(1) L2 For Both poles
(2) pole staging Areas
✓ H-1H

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

Tailboard & Helicopter Safety Briefing

Pilot:	
Support Crew:	
Location:	
Mission:	
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 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	☐ 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



SECTION 7

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

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER #: TD1455984 TD 1435218
ADDRESS: REFUGIO RD VENADITA CYN RD : GAVIOTA CA
LZ STAGING AREA LATITUDE 34°28'7.00"N LONGITUDE 120° 4'18.61"W
POLE 4450170E LATITUDE 34°28'24.28"N LONGITUDE 120° 4'11.89"W 55 H1
POLE STAGING AREA LATITUDE 34°29'8.86"N LONGITUDE 120° 3'23.71"W 45 CL 1
POLE 4239837E LATITUDE 34°29'33.93"N LONGITUDE 120° 3'37.16"W
CONTRACTOR'S NAME: HOT LINE CONSTRUCTION PHONE#: 209-401-6364
CONTACT AT SITE: WAYNE RHODES PHONE #: 209-401-6364
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828

TYPE OF AIRCRAFT:

BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH 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

TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC

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

TYPE OF LIFTS: (1) ↓ ↑ 55 H1 2900 LBS (1) ↓ ↑ 45 CL 1 2000 LBS

MAX SINGLE – LIFT WEIGHT: 3000 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: TBD LONG LINE: (NO) XXX (YES) LESS THEN 150 FT (LENGTH)

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

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
6-18-2019	SUNRISE	SUNSET	6-10-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA BARBARA SHERIFF	805-686-8150	BUELTON	NOTIFY
SANTA BARBARA COUNTY FIRE	805-681-5518	STATION 18	NOTIFY



NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS:

BUILDING DESCRIPTION/ADDRESS	OWNER(S):	PHONE #:
N/A	N/A	N/A
N/A	N/A	N/A

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.

A TAIL BOARD SAFETY MEETING WILL BE HELD AT THE LZ STAGING AREA FOR BOTH CREWS PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER WILL LAND AT THE AT THE LZ STAGING AREA TO CONNECT LONG LINE AND TAILBOARD. THE POLE WILL FRAMED NEAR THE LZ STAGING AREAS THE SECOND POLE WILL BE STAGED OFF OF BENADITA CYN RD.

2. FUELING WILL ONLY BE CONDUCTED AT THE LZ STAGING AREA

3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH

4. REMOTE AREA OPERATING AREA. NO EVACUATIONS

5. PROVIDE WATER TRUCK FOR LZ STAGING AREA

6. NO STREET CLOSURES

OFFICIAL'S NAME: JEFFREY TEUBNER

PHONE #: 818-442-9904



GUARDIAN
HELICOPTERS, INC.

**Part 135 GH 4A Part 133 GH 4L
OPERATIONS AREA DIAGRAM**



BOTH POLE LANDING ZONES



REFUGIO RD



VENADITA CYN ROAD





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 = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

AREA SURVEY CONDUCTED BY : Jeffrey M. J. J.

SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: airops@sce.com or fax to 909-974-4678. Once this form is received by Aircraft Operations, you will receive a response within 24 hours. For questions call SCE Aircraft Operations Dispatch at PAX 11676.

Requestor Information

Flight requested by:*	WAYNE RHODES
Department:*	CONSTRUCTION
Pax:*	
Cell Number:*	209-401-6364
Email Address:*	wrhodes@hotlineconstructioninc.com

SAP Accounting Number*	TD1455984
-------------------------------	-----------

Flight Description

Please choose a mission type:

- | | | |
|---|--------------------------------------|---|
| ☐ Camera – HD/IR | ☐ Line String | ☒ Pole-set |
| ☐ Crew support | ☐ Passenger | ☐ Recon |
| ☐ External Load | ☐ Patrol | ☐ Training |
| ☐ HEC | ☐ Photo | ☐ Need more info, please contact |

Mission specific details (ex: Passenger name, pole size/weight, external load type, etc):

REPLACING POLE 4450170E 55FT H1 WOOD

General Operating Location	1800 REFUGIO RD GOLETA 34 28 24.30N 120 4 11.90W
District	49
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	MONTH OF MAY
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	WAYNE RHODES
Authorizer PAX and cell number	209-401-6364

**required information*

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1 _____

☐ Week 2 _____

☐ Week 3 _____

SET 1 SOUTH

POLE 4450170E Class HI 2

55' IN: 1- POLE 55' CLASS HI WOOD FULL TREAT
IN: 1- YA DBL HD TAN COMP 10'
IN: 1- INS POLY W/PIN 16KV CLAMP #5-4/0 CU
IN: 2- MISC AVIAN HOOD FOR HENDRIX INSUL #40553

1/C 4B-10KV @ 46'6"

COM 22'
COM 21'6"
COM 21'

PROPOSED
L/W
4450170E



**SOUTHERN CALIFORNIA
EDISON**
AN EDISON INTERNATIONAL COMPANY

PROJECT REQUIREMENTS (X/√)	
EDISON EASEMENT REQUIRED	☒
PIED ON REQUIRED	☒
US CIVIL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
PERMIT TYPE:	
OUTAGE REQUIRED	☒
OUTAGE DATE:	TIME:
TRAFFIC CONTROL REQUIRED	☒
PEL TRAFFIC CONTROL REQ'D	☒
CONVAYANCE LETTER REQ'D	☒
ENVIRONMENTAL CLEARANCE REQ'D	☒
CSD 140 (LAW) REQ'D	☒

49 - SANTA BARBARA	PROJ. MOD. PARK, JU	P-LANNER ASP	DESIGNER
PHONE 909-222-9350	PHONE 714-893-2405	ASP	
PROJECT NO. 1865061	SERVICE REQUEST 2572192	PRODUCT-1	
CIRCUIT / VOLTAGE	THOMAS GUIDE	PRODUCT-2	
MIST 16KV		PRODUCT-3	
SUB / PG NO.			
CAPITAN SUB			
INVENTORY MAP 21-38	J.P.A. NO. 409693269	PROPOSED CONSTRUCTION (LOCATION)	
		POLE # 4450170E	
		REFUGIO CANYON RD P/P 1940' N 140' W/O REFUGIO RD	
		GOLETA, CA	
TYPE	DATE	APPROVED BY	CHECKED BY
			ASP
		DRAWN BY	PAX #
Southern California Edison Company			SHEET
			DESIGN/PRING NO.
			1079264 0 01



4450170E



SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: airops@sce.com or fax to 909-974-4678. Once this form is received by Aircraft Operations, you will receive a response within 24 hours. For questions call SCE Aircraft Operations Dispatch at PAX 11676.

Requestor Information

Flight requested by:*	WAYNE RHODES
Department:*	CONSTRUCTION
Pax:*	
Cell Number:*	209-401-6364
Email Address:*	wrhodes@hotlineconstructioninc.com

SAP Accounting Number*	TD1435218
-------------------------------	-----------

Flight Description

Please choose a mission type:

- | | | |
|---|--------------------------------------|---|
| ☐ Camera – HD/IR | ☐ Line String | ☒ Pole-set |
| ☐ Crew support | ☐ Passenger | ☐ Recon |
| ☐ External Load | ☐ Patrol | ☐ Training |
| ☐ HEC | ☐ Photo | ☐ Need more info, please contact |

Mission specific details (ex: Passenger name, pole size/weight, external load type, etc):

REPLACING POLE 4239837E 45FT CL1 WOOD

General Operating Location	1111 VENADITA CYN. RD 34 29 33.97N 12 3 37.17W
District	49
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	MONTH OF MAY
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	WAYNE RHODES
Authorizer PAX and cell number	209-401-6364

**required information*

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1 _____

☐ Week 2 _____

☐ Week 3 _____

NOTES: JOINT POLE

COMPOSITE POLE

ENVIRO POLE - AGRICULTURAL FIELD

BULLETIN 322 AREA

EAGLE ZONE

HAND SET

SET 1' WEST

RM 45'
RM: 1- POLE 45' CLASS 4 WOOD FULL TREAT
RM: 1- XA SINGL FB 10' STEEL PINS
RM: 3- INS GLASS & PIN 16KV

N 34° 29' 33.97"
W 120° 03' 37.13"
ELEVATION: 458'
POLE 45'
IN: 1- POLE 45' CLASS 1 RS COMP SEC POLE
IN: 1- XA SINGL TAN HD COMP 10' W/BKT
IN: 2- NS POLY W/PIN 16KV CLAMP #4-4/0 CU
IN: 1- INS POLY W/PIN 16KV CLAMP #4-653 ACSR
IN: 1- MISC AMAN HOOD FOR HENDRIX INSUL #4-653

RUFUGIO RD

HWY 101

2/C 68 1/C 4A-16KV @ 375'

COMM @ 26'

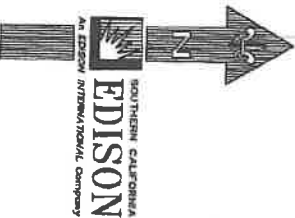
PROPOSED
L/N
4239837E

PROJECT REQUIREMENTS (Y/N)

EDISON ELEMENT REQUIRED	☐	TRAFFIC CONTROL REQUIRED	☐
PMO BS REQUIRED	☐	PRO. TRAFFIC CONTROL REQD	☐
UG CML ONLY WORK ORDER	☐	CONVEYANCE LITTER REQD	☐
POBUNT REQUIRED	☐	ENVIRONMENTAL CLEARANCE REQD	☐
POBUNT TYPE		CSO 140 (TUL) REQD	☐
OUTLINE REQUIRED	☐		
OUTLINE DATE			
TIME			

DISTRICT		PROJ. MGR. PARK, J. YOUNG		PLANNER ASP		DESIGNER ASP	
49 - SANTA BARBARA		PHONE 909-222-9330		PHONE 714-893-2405			
PROJECT NO. 1630369		SERVICE REQUEST 12547162		PRODUCT 1		ASSOC DESIGN	
CIRCUIT / VOL. TAGE		THROUGS GATE		PRODUCT-2		ASSOC DESIGN	
MIST 16KV		CAPTAIN SUB		PRODUCT-3		ASSOC DESIGN	
SUB / PG NO.		CIRCUIT CODE		PROPOSED CONSTRUCTION (LOCATION)			
INVENTORY MAP 23-38		U.P.A. NO. 409473115		4239837E			
DATE		APPROVED BY		CHECKED BY		DRAWN BY	
		ASAP		PAX #		SHEET	
Southern California Edison Company						DESIGN/PRINTING NO.	
						1062647_0.01	

NOT TO SCALE





4239837E