

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: 10-5/10-6-2019

- ☐ 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

Desert Hot Springs
Non CAP
3 pole and compressor
TP1432958
L2

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:

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 ☐ 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



SOUTHERN CALIFORNIA
EDISON[®]

An EDISON INTERNATIONAL[®] Company

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:*	MICHAEL ERBST
Department:*	CC AT DIVERSIFIED
Pax:*	N/A
Cell Number:*	661-864-5614
Email Address:*	Michaele@dusi1.com

SAP Accounting Number*	TD1432958
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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):

4698473E 50' CLASS 4	1420lbs	34.020656. -116.620175
332246S 50' CLASS 4	1420lbs	34.004494. -116.598883

General Operating Location	east of hwy 62, north of 10 fwy
District	79 PALM SPRINGS
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	ASAP
Time of Pick-up	0800
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	PGS DAVID JOHNSON
Authorizer PAX and cell number	760-774-5390

**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 _____



SECTION 7

Part 135 GH 4A Part 133 GH 4L
NON Congested Area Plan
(Submit in duplicate)

Operator: Guardian Helicopters, Inc
 67 D STREET
 Fillmore CA. 93015
 Phone (818) 442-9904
 FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER NUMBER TD 1432958
 ADDRESS: TWENTY NINE PALMS HIGHWAY : DESERT HOT SPRINGS CA
 LANDING ZONE_LATITUDE 33°58'20.06"N LONGITUDE 116°34'27.84"W ELEV 2400 FT
 332246S LATITUDE 34° 0'16.16"N LONGITUDE 116°35'55.93"W 50 CL 4 1600 LBS
 4698473E LATITUDE 34° 1'14.45"N LONGITUDE 116°37'12.69"W 50 CL 4 1600 LBS
 4698472E LATITUDE 34° 1'9.77"N LONGITUDE 116°37'20.11"W 50 CL 4 1600 LBS
 CONTRACTOR'S NAME: MICHAEL ERBST PHONE#: 661-864-5614
 CONTACT AT SITE: JASON WEBSTER PHONE #: 661-864-5682
 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 ARMS / EQUIPMENT ☐ 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: 3POLE ↓ 3 POLE ↑ 50 CL 4 AND COMPRESSOR 2400 LBS

MAX SINGLE – LIFT WEIGHT: 2400 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS TBD LONG LINE: (NO) XXX (YES) 100 FT + 50 FT POLE = 150 FT
(LENGTH) WE WILL MAINTAIN A MINIMUM OF THAT SUM AWAY FROM HOMES EDGE OF OPERATING AREA

OPERATIONAL ALTITUDE: < 50 STREET CLOSING: (NO) XXX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
10-5 / 6-2019	SUNRISE	SUNSET	10-1-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
RIVERSIDE COUNTY FIRE DEPARTMENT	760-251-6948	STATION 57	NOTIFY
DESERT HOT SPRINGS POLICE DEPARTMENT	760-329-2904	DISPATCH	NOTIFY



**GUARDIAN
HELICOPTERS, INC.**

Congested Area Plan (Continued)

(Submit in duplicate)

Evacuation



No Evacuated Structures

☐ Evacuated Structures

Crowd Control



Operator



Contractor

Street Closure

☐ Yes



No



Contractor

☐ Operator

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
NONE	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	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.. ALL BUILDINGS IN THE OPERATING AREA WILL BE VACANT.

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 TAILBOARD SAFETY MEETING WILL BE CONDUCTED PRIOR TO BEGINNING ANY HELICOPTER OPERATIONS

1. THE HELICOPTER LAND WILL LAND AT THE LZ TO CONNECT THE LONGLINE
2. TAILBOARD WILL OCCUR AT THE LANDING ZONE
3. THE POLES WILL BE STAGED ON THE WEST (POLE) SIDE OF THE HIGHWAY
4. THE EMPTY LONGLINE WILL BE FLOWN FROM THE LZ TO THE STAGING AREA CROSSING WHEN CLEAR
5. NO EVACUATIONS
6. WATER TRUCK IS REQUIRED AT THE LANDING ZONE
7. NO STREET CLOSURES
8. THE EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE CLEARING ON THE FLIGHT PATH
9. SHERIFF AND FIRE DEPARTMENT WILL BE NOTIFIED.
10. THE SECURE AREA IS GREATER THEN 300 FT IN ALL DIRECTIONS FROM THE ATTACH AND RELEASE AREAS
11. **CUSTOMER WILL ENSURE TREES NEAR THE POLE SET SITE ARE TRIMMED 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 = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

10-1-2019

DATE OF SUBMISSION

Jeffrey M. Johnston

COMPANY OFFICIAL / TITLE

11-1-19 Due Date

* NOTES:

HIGH FIRE - TIER 2

EAGLE ZONE

ENVIRONMENTAL PACKAGE

FEDERAL LAND - BUREAU OF LAND MANAGEMENT

BULLETIN 322 AREA

E-ALL POLE

COMPOSITE POLE

RIGHTS CHECK REQ'D - FEDERAL LAND

TR: 3/C-336A-33KV @ 42'

HFIA

TIER: 2

SECTIONAL COMPOSITE
POLE(S) INSTALLED
ON THIS WORK ORDER

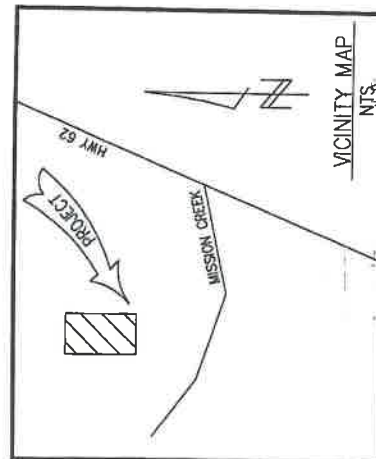
ENVIRONMENTAL PACKAGE

MONITOR

TRAINING

NESTING/EAGLE ZONE

PRE-CON SURVEY (ALLOW 2 WEEKS)



VICINITY MAP
NTS.

N/TD

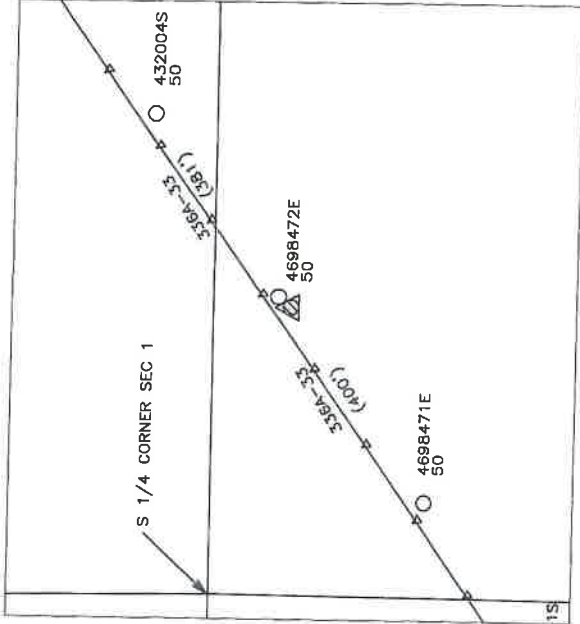
USA marked

NO T.C.

Priority Outage to 33KV to 12KV

RM 9
50'
Class C4
4698472E
RM: 1- POLE 50' CLASS 4 WOOD FULL TREAT
RM: 1- XA SINGL VB 10' STEEL PINS
RM: 1- INS POLY & PIN 33KV CLAMP #4-336 ACSR
RM: 2- 33KV SUSPENSION INSULATOR
RM: 2- CLAMP FOR SUSPENSION INSULATOR

POLE 10
50'
Class C1
4698472E
N: 34° 1' 9.77"
W: 116° 37' 20.11"
ELEVATION: 2622'
SET 1' SOUTHEAST
IN: 1- POLE 50' CLASS 1 RS COMP SEC POLE
IN: 1- XA SINGL TAN HD COMP 10' W/BKT
IN: 1- INS POLY W/PIN 33KV CLAMP #4-653 ACSR
IN: 2- 33KV SUSPENSION INSULATOR
IN: 2- CLAMP FOR SUSPENSION INSULATOR



10/5/19



NOT TO SCALE

DISTRICT	79 - PALM SPRINGS	PROJ. MGR.	SANDRA SANCHEZ	PLANNER	HAMPTON, TEDDER	DESIGNER	HAMPTON, TEDDER
PROJECT NO.	1636495	SERVICE REQUEST	2544398	PHONE	(909) 860-1352	PHONE	(909) 828-1233
CIRCUIT / VOLTAGE	COACHELLA 33KV	THOMAS GUIDE		PRODUCT-1	1432973-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN	ASSOC DESIGN
SUB / PG NO.	GARNET SUB	CIRCUIT CODE	03715	PRODUCT-2		ASSOC DESIGN	ASSOC DESIGN
INVENTORY MAP	672-1884-2	J.P.A. NO.		PRODUCT-3		ASSOC DESIGN	ASSOC DESIGN
PROPOSED CONSTRUCTION (LOCATION)	4698472E						
	N/O MISSION-CREEK RD 82 MI., 2.20 MI W/O HWY 62						
	PAINTED HILLS, CA						
DATE	2/26/2019	APPROVED BY		CHECKED BY		DRAWN BY	
TYPE						PAX #	
						SHEET	1
						DESIGN DRAWING NO.	1060967 001

D124 Rev. 02/06/18

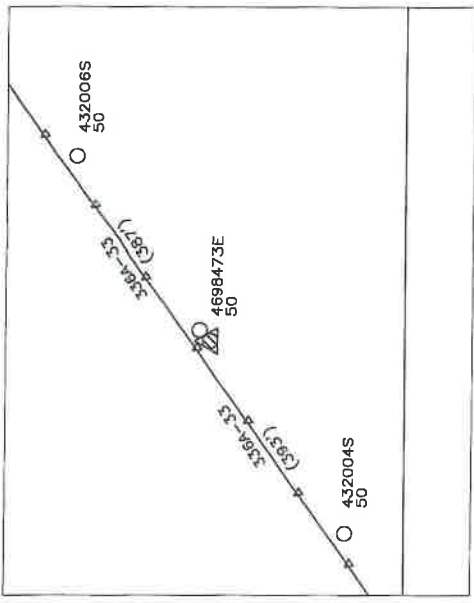
* NOTES:
 HIGH FIRE - TIER 2
 EAGLE ZONE
 ENVIRO POLE - OPEN SPACE
 FEDERAL LAND - BUREAU OF LAND MANAGEMENT
 BULLETIN 322 AREA
 E-ALL POLE
 COMPOSITE POLE
 RIGHTS CHECK REQ'D - FEDERAL LAND
 TR: 3/C-336A-33KV @ 42'

HFIA
TIER: 2
 ENVIRONMENTAL PACK
 MONITOR
 TRAINING
 NESTING/EAGLE ZONE
 PRE-CON SURVEY (ALLOW 2 WEEKS)

7 RM 50' **4698473E**
 Class C4
 RM: 1- POLE 50' CLASS 4 WOOD FULL TREAT
 RM: 1- XA SNGL VB 10' STEEL PINS
 RM: 1- INS POLY & PIN 33KV CLAMP #4-336 ACSR
 RM: 2- 33KV SUSPENSION INSULATOR
 RM: 2- CLAMP FOR SUSPENSION INSULATOR

N: 34°1'14.36"
 W: 116°37'12.63"
 ELEVATION: 2667'
 SET 1' NORTHEAST
8 POLE 50' **4698473E**
 Class C1
 IN: 1- POLE 50' CLASS 1 RS COMP SEC POLE
 IN: 1- XA SNGL TAN HD COMP 10' W/BKT
 IN: 1- INS POLY W/PIN 33KV CLAMP #4-653 ACSR
 IN: 2- 33KV SUSPENSION INSULATOR
 IN: 2- CLAMP FOR SUSPENSION INSULATOR

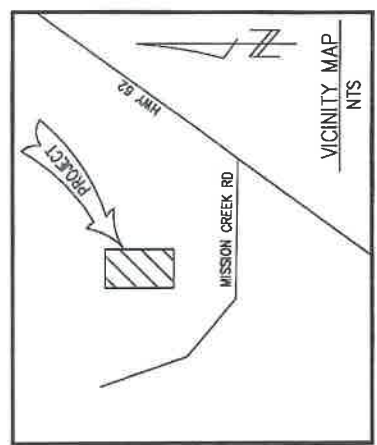
COMPOSITE



10/6/19



NOT TO SCALE



PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED	☒
PWRD 88 REQUIRED	☒
UC CIVIL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
OUTAGE REQUIRED	☒
TRAFFIC CONTROL REQUIRED	☒
PED. TRAFFIC CONTROL REQ'D	☒
CONVEYANCE LETTER REQ'D	☒
ENVIRONMENTAL CLEARANCE REQ'D	☒
CSD 140 (TLM) REQ'D	☒

OUTAGE DATE: TIME: 2/26/19

DISTRICT	PALM SPRINGS	PROJ. MGR.	SANDRA	PLANNER	HAMPTON	TEDDER	DESIGNER	HAMPTON	TEDDER
PROJECT NO.	1636473	PHONE	909-860-1362	PRODUCT-1	1432958-INFRA REPLAC	DET POLE REPLACEMENT	ASSOC DESIGN		
SUB / REV NO.	COACHELLA 33KV	THOMAS GUE		PRODUCT-2			ASSOC DESIGN		
INVENTORY MAP	672-1884-2	J.P.A. NO.	03715	PRODUCT-3			ASSOC DESIGN		
PROPOSED CONSTRUCTION (LOCATION)	MISSION CREEK RD 1.24 MI N, 2 MI W/O HWY 62 PAINTED HILLS, CA								
DATE	2/26/19	CHECKED BY	HTE	DRAWN BY		PAX #		SHEET	1 of 1
TYPE		APPROVED BY		DESIGNED BY		DESIGN NO.	1060952	0.01	

DTK Rev. 02/09/18

