

1. As a result of the sitewalks completed between 6/26 and 6/28 the following tower and site information is provided:
 - a. Sugarpine
 - i. Rohn 45 type Guyed Tower. Approximately 80' tall.
 - ii. 12 vdc solar array and battery system provides onsite power. There is no commercial AC power at this site.
 - iii. Site is owned and operated by the Hoopa Tribe.
 - b. Horse Mountain
 - i. Self-supporting Lattice Tower. Approximately 100' tall.
 - ii. Onsite power is from Commercial AC power with generator.
 - iii. Site is operated by Humboldt County.
 - c. County Courthouse
 - i. Tower A (primarily used for microwave dishes) – Self-supporting Lattice Tower. Approximately 60' tall.
 - ii. Tower B (primarily used for LMR antennas) – Self-supporting Lattice Tower. Approximately 60' tall.
 - iii. Tower C (used by Cellular Carrier). Not to be used for this project.
 - iv. The building itself is a 6-story building with a height of 70 feet, assuming 10 feet per story plus the rooftop mechanical room.
 - v. Onsite power is from Commercial AC power with generator.
 - vi. Site is owned and operated by Humboldt County.
 - d. Mount Pierce
 - i. Self-supporting Lattice Tower. Approximately 100' tall.
 - ii. Onsite power is from Commercial AC power with generator.
 - iii. Site is operated by Humboldt County.
 - e. Pratt Mountain
 - i. Self-supporting Lattice Tower. Approximately 100' tall.
 - ii. Onsite power is from Commercial AC power with generator.
 - iii. Site is operated by Humboldt County.
 - f. Shelter Cove
 - i. Self-supporting Lattice Tower. Approximately 120' tall.
 - ii. Onsite power is from Commercial AC power with generator.
 - iii. Site is owned and operated by the State of California.
 - iv. Current SO repeater is integrated into the site's combining scheme.
 - a) Top of Receive Antenna located at approximately 120' level. Telewave ANT150-D3 4.8 dB Gain
 - b) Top of Transmit Antenna located at approximately 100' level. Telewave ANT150-D3 4.8 dB Gain
 - c) Assume 3.5 dB insertion loss for transmit combiner plus associated cable losses.
 - d) Assume 2.5 dB noise figure and 14 dB gain for receiver multicoupler plus associated cable losses.
 - v. If the site combining scheme is not compatible with the proposer's design. The proposer must provide all pertinent information (antenna types and heights,

transmitter combining losses, receiver multicoupler parameters, etc.) to verify if their design is compatible with the site owner.

- g. Rodgers Peak
 - i. Rohn 45 type Guyed Tower. Approximately 97' tall.
 - ii. 12 vdc solar array and battery system provides onsite power. There is no commercial AC power at this site.
 - iii. Site is operated by Humboldt County on National Park Service land.
 - h. Trinidad Head
 - i. Guyed Tower. Approximately 50' tall.
 - ii. Onsite power is from Commercial AC power with generator.
 - iii. Site is owned and operated by the Coast Guard.
2. As the Sugarpine and Rodgers Peak sites are 12 VDC solar powered sites, Proposers shall include in their design a 48 VDC solar array and battery system that will power any **new** radio, microwave, or ancillary equipment at that site. Proposers shall assume 4-hours of sunlight per day. Battery system and charger shall be sized to provide power to the system utilizing a 90/10 duty cycle, with the stations actively transmitting for ten percent (10%) of the time and in standby mode for the remaining ninety percent (90%) of the time. Charger systems shall sized for expansion purposes to accommodate one hundred twenty percent (120%) of the load required by the radio equipment that will be utilized.
3. **QUESTION:** Is Attachment E required to appear twice in an RFP response - Section 7.9 and Section 11?
- RFP Section 7.9 References: A. Reference Data Sheet. Proposals shall include a completed reference list, which is attached hereto as Attachment E – Reference Data Sheet and incorporated herein by reference, containing present and past performance information from a minimum of three (3) clients, preferably government agencies, to whom the Proposer has provided Radio System Packages and related services equivalent to those set forth in this RFP within the past five (5) years.
 - Section 11 Attachments requires the same document (Attachment E) included with the proposal.
- a. **ANSWER:** One copy of Attachment E in either section is sufficient to meet the requirement.
4. **QUESTION:** Are portable user radios required to be rain tolerant with an IP68 rating with 2M of water for 2 hours?
- a. **ANSWER:** No.

5. **QUESTION:** Are portable speaker microphones required to have the same rain tolerant rating as the portable radio?
 - a. **ANSWER:** No.

6. **QUESTION:** Are portable speaker microphones required to be rated to operate in wind?
 - a. **ANSWER:** No.

7. **QUESTION:** Are vendors required to demonstrate their user radios in the required environmental conditions during the vendor interviews?
 - a. **ANSWER:** The agenda and content of the Vendor Interview process will be partially based on responses received and therefore the County will not include or exclude certain items from the Vendor Interviews. If Vendor Interviews are deemed necessary by the County, information regarding the content and expectations of the Vendor Interviews will be relayed to participating proposers during the scheduling of interviews.

8. **QUESTION:** Can the County please provide the physical location and manufacturer/model number for the Avtec console system logging recorder at the county courthouse location.
 - a. **ANSWER:** The logging recorder is manufactured by Stancil Corp. The recorder was upgraded in the Fall of 2016 to a SLR NG-911 version recorder. The recorder is physically located in the equipment room/closet of the dispatch center.

All other items remain the same.

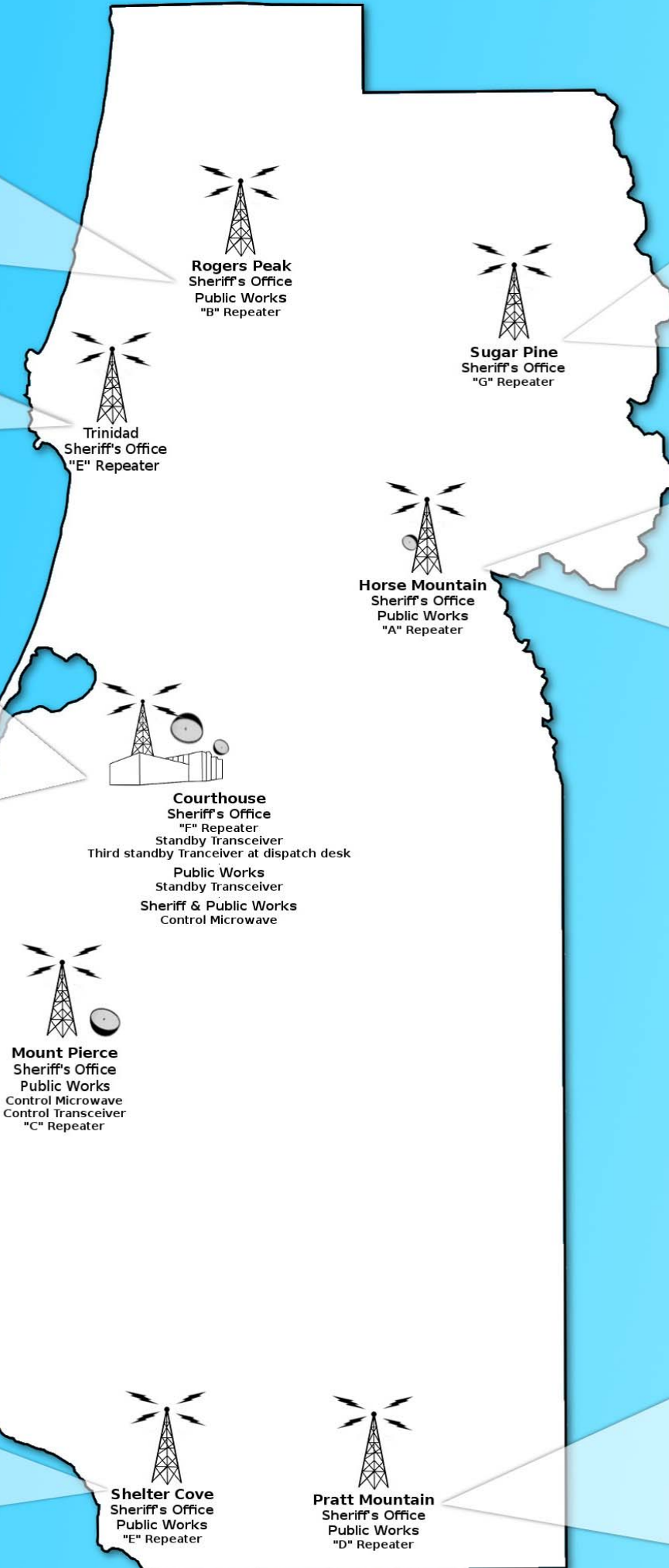
Amerigas 822 2188	Rogers Peak Solar Power Generator Backup 1,000 Gallon Tank	Med Net 463.050 Tx tone none 468.050 Rx tone 103.5
Sheriff's Department "B" Repeater	Public Works "B" Repeater	MCI 460.225 Tx tone 203.5 465.225 Rx tone 203.5
154.740 Tx tone 192.8 155.790 Rx tone 110.9	153.905 Tx tone 100.0 155.895 Rx tone 110.9	ENH 460.225 Tx tone 225.7 465.225 Rx tone 250.3
Tsunami Siren Repeater (Future) 151.190 Tx 159.4575 Rx		Link 453.625 Tx tone 100.0 458.625 Rx tone None

Trinidad Head Commercial Power Located In Coast Guard Vault
Sheriff's Department "E" Repeater
154.74 Tx tone 192.8 155.79 Rx tone 136.5

Humboldt County Courthouse	
Sheriff's Department	Public Works
"F" Repeater Standby Control Transceiver CLEMARS TAC 3 TAC 4 TAC 5 CLERS Tsunami Siren Control CHP Receiver	Standby Control Transceiver Microwave Sheriff/Public Works Control Link 6731.25 MHz to Pierce 6551.25 MHz from Pierce 4.9 GHz Public Safety Horse Mt. Link
Other Equipment	
OASIS Satellite Transceiver OES 49.96 MHz Transceiver OES Amateur Radio Station Jail UHF Repeater Courts UHF Base District Attorney VHF/HF PG&E Repeater	

Mount Pierce Commercial Power Offsite Generator Backup		
Control Microwave Sheriff & Public Works 6551.250 Tx 6731.250 Rx		
Sheriff's Office "C" Repeater	Public Works "C" Repeater	Med Net 463.000 Tx tone none 468.000 Rx tone 127.3
154.740 Tx tone 192.8 155.790 Rx tone 118.8	153.905 Tx tone 100.0 155.895 Rx tone 118.8	MCI 460.350 Tx tone 203.5 465.350 Rx tone 203.5
Control Transmitter 155.790 Tx 154.740 Rx	Control Transmitter 155.895 Tx 153.905 Rx	ENH 460.350 Tx tone 123.0 465.350 Rx tone 123.0
Other Tenants Fire Net Fire Cameras District Attorney Arcata Fire/Ambulance Humboldt County Schools		
Link 458.6250 Tx Tone 100.0 453.6250 Rx Tone None		

Shelter Cove In State of California Vault	
Sheriff's Office "E" Repeater	Public Works "E" Repeater
154.740 Tx tone 192.8 155.790 Rx tone 136.5	153.905 Tx tone 100.0 155.895 Rx tone 136.5



Sugar Pine Solar Power Generator Backup Hoopa OES Vault
Sheriff's Office "G" Repeater
154.740 Tx tone 192.8 155.790 Rx tone 127.3

Mobile Diesel Repair - for generator 707 496 8331	Horse Mountain P G & E Generator Backup 3.3 gallons hour mid load 499 gal tank = 6/14 days*	Med Net 463.025 Tx tone 103.5 468.025 Rx tone 103.5
Amerigas 530 629 4276 Normally filled in October \$75 call out fee.	Sheriff's Office "A" Repeater	MCI 460.425 Tx tone 203.5 465.425 Rx tone 203.5
	153.905 Tx tone 100.0 155.895 Rx tone 103.5	ENH 460.425 Tx tone 131.8 465.425 Rx tone 131.8
	Other Tenants Fire Net Fire Cameras Humboldt County Schools	Link 453.625 Tx Tone 100.0 458.625 Rx Tone None

Blue Star 923 7827	Pratt Mountain P G & E Generator Backup 499 Gal	Med Net 463.025 Tx tone 127.3 468.025 Rx tone 127.3
Sheriff's Office "D" Repeater	Public Works "D" Repeater	MCI 460.525 Tx tone 203.5 465.525 Rx tone 203.5
154.740 Tx tone 192.8 155.790 Rx tone 127.3	153.905 Tx tone 100.0 155.895 Rx tone 127.3	ENH 460.525 Tx tone 110.9 465.525 Rx tone 110.9
Other Tenants Fire Net Fire Cameras Humboldt County Schools Far West Repeater Assn. AEGE Repeater		
Link 453.625 Tx tone 100.0 458.625 Rx tone None		

* Operator manual states mid power usage that gives 85% tank 6 days until empty. Actual usage calculated under normal conditions (no excessive use) of 14 days until empty.