

# Agenda from last meeting

- Smoke and security alarm system
- AC replacement in SPR
- UPS Battery replacement
- Maintenance of machinery
- Waste disposal
- HCRO.org domain
- Internet upgrade to 1Gbit
- Backup
- Renovation Berkeley House
- Organization of visitors and filming permits
- FS use permit / Bidwell lease
- Vehicles

- **Smoke and security alarm system**

Location	Installation Cost	Monthly Monitoring
Dormitory	\$495	\$60
Berkeley House	\$485	\$50
Lassen House	\$577	\$50
Hat Creek House	\$508	\$50
Mechanical Workshop (fire)	\$7,879	\$75
Mechanical Workshop (security)	\$1,016	\$60
Main Lab, 1, 2, UPS (fire)	\$19,292	\$120
Main Lab, 1, 2, UPS (security)	\$2,755	\$125
<b>Total</b>	<b>\$33,007</b>	<b>\$590</b>

Followed up on quotation to see if we can have the dormitory also as a residential building.

Also, on the main site, if we can reduce costs by only having motion detectors inside compared to door, window contacts.

- AC replacement in SPR



Wire size from power panel at generator is #6 to disconnect on Main Lab

Wire size from disconnect to machine is #8  
Breaker size at power panel is 70 amp  
Disconnect on Main Lab is 60 amp fused

PROPOSAL				Page 1 of 1
<b>Quicksilver Electric</b> 20584 Ontario Ave.   Burney, California 96013 Tel: 530-335-2018 or 530-604-6774 thomasqse@gmail.com California License #852437				
Proposal Submitted To:	Job Name:	Job #:		
HAT CREEK OBSERVATORY	SERVER RM - PANEL			
Address:	Job Location:	Date:	Date of Plans:	
HAT CREEK CA		12-7-20		
Phone #:	Fax #:	Architect:		
530-335-2366				
We hereby submit specifications and estimates for: <u>RELOCATION &amp; PHASE 24 CASE</u> <u>SWITCH PANEL AND ALL RELATED CIRCULATING CONDUITS, INCLUDING</u> <u>200 AMP SERVICE CONDUIT TO OPPOSITE WALL FOR THE PURPOSE</u> <u>OF FREING UP SPACE FOR NEW A/O UNIT</u>				
MATERIALS: CONDUITS, WIRE, 3/8" DIA. DRILL, HARDWARE, ETC. \$700.00				
LABOR: 2 MEN @ \$120.00 PER HR 5 DAY ESTIMATE \$4800.00 TOTAL \$5,500.00				
We propose hereby to furnish material and labor complete in accordance with the above specification's for the sum of:				
\$ <u>FIVE THOUSAND FIVE HUNDRED</u> Dollars				
with payments to be made as follows: <u>UPON COMPLETION (NET 15 DAYS)</u>				
Any alteration or deviation from the above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.				
Respectfully Submitted: <u>M. J. MARK THOMAS OWNER</u> DATE				
Note - this proposal may be withdrawn by us if not accepted within <u>30</u> days.				
ACCEPTANCE OF PROPOSAL				
The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.				
Date of Acceptance: _____ Signature: _____				

\$5,500

• UPS Battery replacement



Battery Midtronics Readings  
Semi-Annual PM

Arrival: 11/23/2020 10:00:00 AM  
Depart: 11/23/2020 11:00:00 AM



<b>SRI International (Hat Creek)</b> 42231 Bidwell Road Hat Creek, CA, 96040	FSE: Michael Reynolds Time on Site: 1.00Hr Mileage: 500.00
--	--

Main Contact: Steven Brockbank Phone: 650-960-4561 Email: sbrockbank@seti.org	Site Contact:Elin Klaseen Phone:530-335-2364 Email: elin.klaseen@sri.com	Job # SAPM11531 Quote # 6739M Customer # PO46629
---	--	--

String ID: 1 of 1		Equip. Location: UPS Out Building	
Battery Make & Model: CSB HRL 12280W FR		Date Code: 05/01/16	
Associated Equipment: 0033499406		Make & Model: Mitsubishi 9900A, UP9933A-A104DU-4	
Mhos Baseline Value: 1400		Mhos Watch Value: 1050	Mhos Failed Value: 910

Description of Work Performed

MCS performed Semi-Annual Battery Preventive Maintenance. The batteries were visually inspected, heat scanned, and tested. The batteries are in good operating condition at this time. The batteries will reach the end of their recommended lifespan in 2021.

Recommendations

The batteries will reach the end of their recommended lifespan and should be replaced in 2021.

Environment Conditions: Pass	DC Float Voltage: 541VDC
Inspect for Evidence of Corrosion: Pass	AC Ripple Voltage: 0VAC
Check for Loose Connections: Pass	Room Temperature: 73°F

Battery #	DC Volts	Mhos	Condition		Battery #	DC Volts	Mhos	Condition
1	13.50	1356	Pass		21	13.49	1392	Pass
2	13.52	1404	Pass		22	13.50	1398	Pass
3	13.50	1368	Pass		23	13.49	1398	Pass
4	13.50	1380	Pass		24	13.49	1404	Pass
5	13.51	1386	Pass		25	13.49	1362	Pass
6	13.51	1392	Pass		26	13.47	1368	Pass
7	13.51	1320	Pass		27	13.46	1410	Pass
8	13.50	1398	Pass		28	13.48	1392	Pass
9	13.49	1440	Pass		29	13.47	1332	Pass
10	13.49	1386	Pass		30	13.49	1398	Pass
11	13.50	1398	Pass		31	13.49	1326	Pass
12	13.49	1428	Pass		32	13.47	1386	Pass
13	13.50	1428	Pass		33	13.49	1422	Pass
14	13.50	1404	Pass		34	13.48	1386	Pass
15	13.50	1392	Pass		35	13.48	1392	Pass
16	13.50	1440	Pass		36	13.47	1386	Pass
17	13.49	1422	Pass		37	13.48	1422	Pass
18	13.49	1380	Pass		38	13.48	1398	Pass
19	13.50	1392	Pass		39	13.49	1446	Pass
20	13.49	1410	Pass		40	13.47	1392	Pass

6080 Enterprise Drive, Suite A, Diamond Springs, CA 95619 (888) 627-6979 www.MCSUPS.com



ALWAYS ON

QUOTE #6846R2TM

PREPARED FOR	PREPARED BY
Alex Pollak	Emerald Forst
SRI International	November 24, 2020
42231 Bidwell Road Hat Creek, CA 96040	Battery Replacement

Mission Critical Specialists, Inc. (MCS) is pleased to provide the following quotation for the replacement of batteries, supporting the 100kVA Mitsubishi 9900A UPS at your Hat Creek, CA facility. The following describes our scope of work in detail:

EQUIPMENT	QUANTITY
CSB HRL12280W Valve Regulated Lead Acid Battery	40

SCOPE OF WORK

MCS will remove and replace (Qty-40) batteries supporting UPS during an approved maintenance window. Installation will not require the UPS module be placed in bypass; load will remain on UPS during the replacement. MCS will perform the following:

- Provide delivery and off-loading of batteries
- Remove and replace (Qty-40) batteries
- Dispose and remove old batteries from site
- Provide baseline Midtronics readings to establish performance curve

COST

Components:	\$6,750.00
Labor:	\$3,600.00
Disposal:	\$250.00
<b>Total Cost:</b>	<b>\$10,600.00</b>

Notations: Quote valid for 45 days. Quote does not include freight and sales tax, MCS will prepay and add to invoice. Work to be performed during regular business hours, Mon-Fri 8am-5pm. If approved, please send PO to [orders@mcsups.com](mailto:orders@mcsups.com).

530.621.4785  
6080 Enterprise Drive A, Diamond Springs, CA 95619



ALWAYS ON

QUOTE #7354TM

PREPARED FOR	PREPARED BY
Alex Pollak	Emerald Forst
SETI International	December 7, 2020
42231 Bidwell Road Hat Creek, CA 96040	Mitsubishi 9900A Fan Replacement

Mission Critical Specialists, Inc. (MCS) is pleased to provide the following quotation for the replacement of the failed fan, supporting the 100kVA Mitsubishi 9900A UPS at your Hat Creek, CA facility. The following describes our scope of work in detail:

EQUIPMENT	QUANTITY
Mitsubishi FAN20025	1

SCOPE OF WORK

MCS will perform the following:

- Remove and replace (Qty-1) fan
- Dispose and remove old material from site
- Check operation of UPS

COST

Components:	\$1,302.00
Labor:	\$1,800.00
Disposal:	\$50.00
<b>Total Cost:</b>	<b>\$3,152.00</b>

Notations: Quote valid for 45 days. Quote does not include freight and sales tax, MCS will prepay and add to invoice. Work to be performed during regular business hours, Mon-Fri 8am-5pm. If approved, please send PO to [orders@mcsups.com](mailto:orders@mcsups.com).

530.621.4785  
6080 Enterprise Drive A, Diamond Springs, CA 95619

Maintenance of machinery

Mark will take care of maintenance, generator and other machinery

Waste disposal

Yvonne will look into regulations for waste disposal, oil accumulation on site

HCRO.org domain

Steve will get in contact with SRI to request handover of domain (Chris Lantman <[chris.lantman@sri.com](mailto:chris.lantman@sri.com)>)

Internet upgrade to 1Gbit

Alex will contact Frontier to get an actual quote as well as investigate overall capabilities of fiber link (up to 10Gbit)

Backup

Alex will schedule another meeting to discuss backups

Ethernet Internet Access (EIA) Upgrade - Promotional Rates

Service Type	Description	Term in Months	Non-Recurring Charge	Monthly Recurring*
EIA	1G Ethernet	36	\$250.00	\$1,190.00
EIA	1G Ethernet	60	\$0.00	\$990.00
Static IP	Two /25 Static IP Bundles**	1	\$0.00	\$80.00

\* Surcharges not included.

\*\* Static IP Bundles to be added to either of the upgrades options.

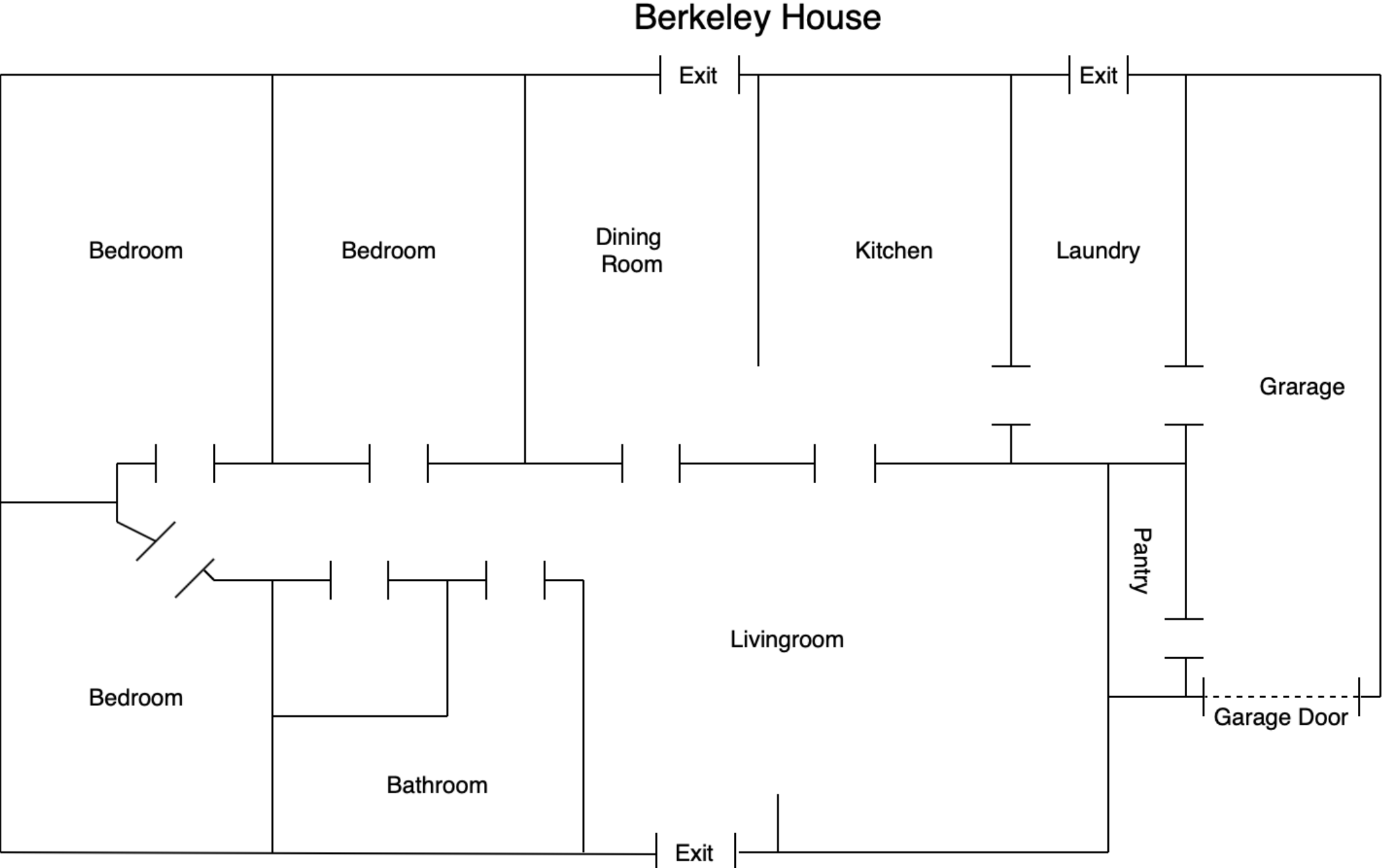
Ethernet Internet Access (EIA) Upgrade - 2G, 5G & 10G Rates

Service Type	Description	Term in Months	Non-Recurring Charge	Monthly Recurring*
EIA	2G Ethernet	36	\$250.00	\$2,699.00
EIA	2G Ethernet	60	\$0.00	\$2,290.00
EIA	5G Ethernet	36	\$16,050.00	\$15,812.00
EIA	5G Ethernet	60	\$15,381.00	\$15,318.00
EIA	10G Ethernet	36	\$16,050.00	\$17,704.00
EIA	10G Ethernet	60	\$15,381.00	\$17,210.00
Static IP	Two /25 Static IP Bundles**	1	\$0.00	\$80.00

\* Surcharges not included.

\*\* Static IP Bundles to be added to any of the EIA connections.

• Renovation Berkeley House





- **Renovation Berkeley House**





- **Renovation Berkeley House**





- **Renovation Berkeley House**





- **Renovation Berkeley House**





- **Renovation Berkeley House**







- **Renovation Berkeley House**

### Exterior:

- Replace roof
- Clean up cinder blocks, wire fencing & pallets from back patio
- Re-screen Slider
- Remove TV dish cables & old phone cables
- Remove old ethernet cables & replace with fiber
- Repair hole in eve from bird
- Scrape & paint
- Prune brush around back yard

### Interior:

#### Whole house

- Haul old furniture to Burney Disposal
- Remove all old phone wires 7 cables
- Replace wiring?
- Replace flooring
- Replace all windows with double pane windows
- Scrub & paint walls

#### Bedrooms/Hallway

- Install ethernet connections
- Install new window coverings

#### Bathroom

- Scrub shower, toilet & sink
- Remove fan
- Install light bar & medicine cabinet
- Remove old medicine cabinet
- Install bathroom heater

#### Living Room

- Paint ceiling
- Remove cables & replace with fiber

- **Renovation Berkeley House**

Bedrooms/Hallway

- Install ethernet connections
- Install new window coverings

Bathroom

- Scrub shower, toilet & sink
- Remove fan
- Install light bar & medicine cabinet
- Remove old medicine cabinet
- Install bathroom heater

Living Room

- Paint ceiling
- Remove cables & replace with fiber

Kitchen/Dining Room

- Complete renovation – cabinets, counter tops, appliances

Laundry Room

- Swap new washer/dryer set with new set in Hat Creek House

Garage

- Insulate
- Sheet rock
- Paint
- Replace lighting
- Remove old wires
- Replace garage door

List of items needed:

- Beds/Bedding
- Dressers
- Livingroom furniture
- Dining room table/chairs?
- Microwave
- Toaster
- Coffee maker
- Dishes
- Pots & pans
- Silverware
- Towels



- **Organization of visitors and filming permits**

Alex will setup another meeting with Andrew Rebecca and Yvonne to discuss this toping

- **FS use permit / Bidwell lease**

Dave and Yvonne will follow up on this.

- **Vehicles**

We will sell the 2 old jeeps and the utility truck. And replace them with one used pickup truck (no diesel)  
Who do I need to contact for this?

My Car's Value  
**1994 Jeep Cherokee** Sport SUV 4D  
near **Hat Creek, CA 96040** Mileage: **212,000** [Edit Options](#)  
4.5 ★ (587 Ratings) [Write a review](#)

⚠ Recalls: **Recall Data Unavailable**  
[Check VIN number](#) →

🔧 Repair Estimator: **See Pricing**  
[What's a fair price?](#) →

## 1 Compare Your Values

Use these values to help make a confident decision on whether to sell, trade or donate your car.

Instant Cash Offer Trade-in **Private Party** Donate Your Car

Private Party Range  
**\$970 - \$2,699**  
Private Party Value  
**\$1,835**



Condition: **Good** ▼

Valid for ZIP Code **96040** through **12/07/2020**

4.5 ★ (587 Ratings)  
[Write a review](#)

### Private Party Value

Leverage this value to set your price and negotiate with private-party buyers.

Average Time to Sell:

**30**  
**DAYS**

How Much to Expect:

**\$\$\$\$**

Level of Effort:

■■■■■  
**High**

My Car's Value  
**2002 Ford F350 Super Duty Regular Cab** Long Bed  
near **Hat Creek, CA 96040** Mileage: **50,000** [Edit Options](#)  
4.5 ★ (632 Ratings) [Write a review](#)

⚠ Recalls: **1 Recall Found**  
[Is my car affected?](#) →

🔧 Repair Estimator: **See Pricing**  
[What's a fair price?](#) →

## 1 Compare Your Values

Use these values to help make a confident decision on whether to sell, trade or donate your car.

Instant Cash Offer Trade-in **Private Party** Donate Your Car

Private Party Range  
**\$12,128 - \$14,691**  
Private Party Value  
**\$13,410**



Condition: **Good** ▼

Valid for ZIP Code **96040** through **12/07/2020**

4.5 ★ (632 Ratings)  
[Write a review](#)

### Private Party Value

Leverage this value to set your price and negotiate with private-party buyers.

Average Time to Sell:

**30**  
**DAYS**

How Much to Expect:

**\$\$\$\$**

Level of Effort:

■■■■■  
**High**