
From: jeffrey E. <jeevacation@gmail.com>
Sent: Friday, February 26, 2016 3:39 AM
To: Ann Rodriquez
Subject: Re: Solar: Great St. James Stand Alone PV system

ok

On Fri, Feb 26, 2016 at 1:09 AM, Ann Rodriquez wrote:

Ann R.
Begin forwarded message:

From: [REDACTED]
Date: February 24, 2016 at 2:52:07 PM AST
To: [REDACTED]
Subject: Great St. James Stand Alone PV system

Afternoon Ann,

After meeting with Danny and having a look at the existing stand alone PV system I propose the following:

Step 1;

Analyze and assess the present system to ensure peak performance and output.

1) Test specific gravity of each cell in every battery. (This is normally performed after "equalizing" the batteries to get the "best case" results. Once we open the batteries and get a preliminary inspection we'll determine procedure)

2) If equalizing is needed fill cells and pulse charge to desulfate then check the cells

3) Determine which batteries need replacing and build a map to track age and deterioration

4) Check all cable and equipment connections and apply Nolox

5) Test combiner box to ensure we have full output from each string of the solar array

6) Develop cost to bring system back to peak output

7) Recommend site improvements to improve longevity and performance

9) Discuss generator tie in and Auto Transfer Switch via existing Sunn Islands charge controllers

10) Develop plan to interconnection needs to monitor and track system through existing SMA Webbox.

(connectivity required)

Cost of initial inspection and report (includes minifuses, Nolox, sulfuric acid, and distilled water)

Date proposed 2/29-3/01, 3 technicians, \$1875.00

Step 2;

Repair and replace hardware as noted in initial report and quote

1) Batteries, cable, lugs, charge controllers, fuses, panels, grounding configuration, etc.

Step 3;

Develop hypothetical load and design modular Generation/Storage system to provide scale

1) Site second system and develop cost outline using onsite machinery and resources

2) Evaluate existing T&D and propose upgrades

3) Propose alternate generation platforms if desired

Step 4;

Continued online monitoring and monthly maintenance

1) Monitoring through online portal with response to alarms or "triggering" events (can be transferred to onsite person if desired)

2) Analysis of load juxtaposed with capacity will allow a more precise expansion plan and increase reliability

3) Monthly fee TBD (approx. \$250)

Thank you for the opportunity. I've scheduled the initial work to be performed next Monday 2/29, out of a sense of urgency. Please let me know your thoughts and contact me anytime with any questions.

Regards,

Brian Walden

Island Services Group, LLC

Project Management/ Energy Consultant

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=C2 please note

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