
From: Jeanne Brennan [REDACTED]
Sent: Saturday, December 8, 2012 12:43 PM
To: 'Jeffrey Epstein'
Subject: RE: LSJ Solar

Brannon explained the 15% line loss to me as follows:

Most of the loss is coming from the transformer =n LSJ converting the high voltage from cable to . Most =esidences do not own the 'transformer' , WAPA owns the equipment, and =herefore bares the cost of conversion. In LSJ's case the =ransformer is located on the Island and is owned by LSJ and therefore =SJ is baring the cost of conversion.

Based on your discussion =ith him is my understanding correct?

From: [REDACTED] Sent: Saturday, December 08, 2012 8:28 AM
To: Jeffrey Epstein'
Subject: FW: LSJ =olar

See Toshiba's =esponse.

From: /b> =ttaviano, Jeffrey [mailto:Jeffrey.Ottavian=@tic.toshiba.com]
Sent: Saturday, December 08, 2012 8:17 =M
To: [REDACTED]
Cc: [REDACTED]
Sub=ect: Re: LSJ Solar

Jeanne,

That would be one way to do it, =ut if you know the cable size, length and material a calculation can be =one quite accurately. You could also install a temporary power logger =ver a week or so and then compare that to the utility meter.

If =he cable was sized properly it should be less than 2% losses. =br> We have an excellent electrical contractor in St. Croix that has =een working for Hovensa for many years. Let me know if you want me to =ntroduce him.

Jeff

From: [REDACTED] <[REDACTED]> Sent: Saturday, December 08, 2012 06:05 AM
To: Ottaviano, Jeffrey
Cc: 'brice gordon' <[REDACTED]> Subject: RE: LSJ Solar

Jeff,

We are trying to determine if there is significant line loss between the meter on St. Thomas and the transformer on LSJ. One suggestion was that we purchase and install an industrial grade current transformer (CT) monitor at the main feeder capable, to meter the power in real time and send it to a web server for review.

What do you think about this idea?

Thanks,

Jeanne

From: [REDACTED] <[REDACTED]> Sent: Monday, December 03, 2012 3:59 PM
To: Ottaviano, Jeffrey
Cc: 'Lonkevych, Mark'; 'Sattler, Douglas'; 'Mark White'; 'Erika Kellerhals'; 'Cecile de Jongh'; 'Richardahn'; 'brice gordon'; 'Darren Indyke'
Subject: RE: LSJ Solar

Jeff,

Please see attached; APA bills, schematic of the electrical system and the generator specs. I will follow with additional requests. :p>

Any additional information or questions let me know.

Best,
Jeanne

From: Ottaviano, Jeffrey [REDACTED]
Sent: Wednesday, November 21, 2012 10:25 AM
To: Jeanne Brennan
Cc: Lonkevych, Mark; Sattler, Douglas; Mark White; Erika Kellerhals; Cecile de Jongh

Subject: RE: LSJ Solar

Jeanne,

An excel history will be fine for now, but can you at least send us the latest copy of a bill so that we can see if there are any time-of-use and/or demand charges. That type of data helps in our equipment sizing calculations.

Thanks again,

Jeff

Jeff Ottaviano

Toshiba International Corporation

200 Dryden Road, Suite 400

Dresher, PA 19025

[REDACTED] Ext. [REDACTED]
[REDACTED]

<http://www.toshiba.co.jp/sis/en/solar/index.htm>

From: [REDACTED] Sent: Wednesday, November 21, 2012 8:21 AM
To: Ottaviano, Jeffrey
Cc: Lonkevych, Mark; Sattler, Douglas; Mark White; Erika Kellerhals; Cecile de Jongh
Subject: RE: LSJ Solar

Jeff,

Thanks for the follow up. We will compile the necessary information requests.

Do you prefer a copy of the electricity bills or an excel history of readings and usage?

Happy Thanksgiving to all.

Jeanne

From: [REDACTED]
Sent: Tuesday, November 20, 2012 3:48 AM
To: [REDACTED]
Cc: Monkevych, Mark; Sattler, Douglas; Mark White; Erika Kellerhals
Subject: LSJ Solar

Jeanne,

Thank you for your time this afternoon and please forward this message to anyone on your team that should have a copy.

TIC will perform a preliminary feasibility study of solar energy production on LSJ Island. We are familiar with the challenges of designing and building solar in the Caribbean and have developed cost effective solutions to meet these challenges.

Our initial thoughts are that a solar PV plant sized to meet the entire needs of the island would most likely be the best solution. This will require that we know as much about the electricity consumption and generation capabilities as possible. Please, provide us with 12-24 months of VIWAPA electricity bills and if possible any interval or time-of-use data on consumption. This data may be available from trip charts or data logging of the generators when they were running.

We would also like to have the name plate data on the generators and a single line diagram of the electrical system.

Also, please indicate on a map where we can locate the solar array and battery station.

Thank you and have a Happy Thanksgiving,

Jeff

Jeff Attaviano

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<http://www.toshi=a.co.jp/sis/en/solar/index.htm>