

MINOT SLEEPER LIBRARY TRUSTEES

JUNE 17, 2013

Present: Archie Auger, Barbara Greenwood, Roger Nichols, Rosemary D'Arcy, Wendy Costigan, Lucille Keegan

Also in attendance: Bill Dowey, Michael Capone

The purpose of this meeting was to go over the two bids for the solar installation and the follow up questions that Bill had asked the bidders.

Bid process review and recommendation for the solar array on Bristol's Minot-Sleeper Library.

June 17 2013.

Following-on from the submission to Bristol Library for the implementation of a solar array, there were a few questions to be answered in order to determine whom to recommend for the installation.

Note a Bond will not be required. The project is partitioned to be loss constrained.

The two companies selected to go forward with are Frase Electric LLC and Mauchly Electric LLC.

Here is the second set of questions with summarized responses.

1. The RFP asked for information on your insurance cover. Do you have such cover? If so, please provide some details in case of an accident.

Both contractors showed proof of \$1M+ insurance.

2. The RFP asks if OSHA standards are followed, please provide details.

Both contractors addressed this issue with statements of training and compliance.

3. The trustees are considering increasing the power rating of the array. Your current submission for the US based 12Kw array is \$3.08/\$3.40 per watt, (\$ bid/Array Kw capacity). If you were to deploy a larger array, would your cost bid per watt remain the same?

For a 58 panel 15+ kW US panel system: Frase \$47000, \$3.07/watt

Mauchly \$48,829 \$3.13/watt

3. If not, why not?

Increased array size and different panels resulted in slight decreases per watt.

5. What would your bid be for power ratings that could be achieved using larger rated panels and inverters, both for 48 panels and as many panels that could be placed safely and maintainable on the roof, in order to maximize the power generated? (Power maximization device requirement, remains in place).

See answers in 5. Only Frase has had experience at deploying Power Maximizers.

6. How would these bids change if you were not confined to US made products?

Mauchly bid Canadian Solar at \$45,370, \$2.91/watt.

Frase will not bid anything but American panels.

7. How would your warranty change with larger panels and non-US sourced materials? Please provide details on your anticipated warranties for these increased capacity configurations.

Warranties are driven by Panel manufacturers.

Options

Frase quoted a higher power/quality US made array to achieve 20kW at a price of \$73K. I cannot justify the \$25K increase in price for the 5kW rating increase. I think that with investigation into the power utilization within the library lower power utilization (~5%-8%) might be achieved.

Recommendation.

Frase Electric LLC to be invited to interview with a limited set of Trustee representatives and township administration to explain his approach, insurance proof and schedule. If found acceptable, he will be offered the installation and the initial check for 1/3 rd project cost (~\$15,667) will be given to him.

Archie made a motion to have Kim Frase meet with the trustees to go over his bid and answer any further questions anyone had. Roger seconded the motion and it was approved. Bill Dowey will make the contact and let Wendy know the date and time and she will alert the other trustees.

June 19, 2013

Trustees present: Goerge Corrette, Roger Nichols, Rosemary D'Arcy, Barbara Greenwood, Lucille Keegan, Wendy Costigan, Shirley Yorks

Also in attendance: Bill Dowey, Kim Frase

The purpose of this meeting was to met with Kim Frase to go over his bid for the solar installation and ask any further questions.

Roger asked about warranty and whether or not we should establish an account for maintenance. Kim stated that the panel warranty is for 20 years. He felt that if there was a problem it might be with the electronic components. We can us the REC's to set up an account for maintenance.

Rosemary question American vs foreign made panels and Kim explained his opinion that American made are of a better quality and standard size.

Bill Dowey brought up the idea of using 6 inch versus 3 inch standoffs to increase efficiency. Kim Frase will get back to Bill with the cost.

Wend made a motion to accept Frase as our contract vendor for the solar installation. Roger seconded and motion was approved.

Lucille Keegan,

Secretary

June 24, 2013

Trustees present: Wendy Costigan, George Corrette, Barbara Greenwood, Ann Fitzpatrick, Roger Nichols, Shirley Yorks, Archie Auger, Lucille Keegan

Also present: Bill Dowey

A special meeting was called by chairperson, Wendy Costigan, to discuss and vote on an addition \$1,300 for the solar project. This would cover the cost of installing 6 inch vertical standoffs versus 3 inch. Bill Dowey had suggested this as a cost and efficiency measure. After a discussion of the pros and cons a motion was made by Lucille Keegan to “approve an additional \$1,300 for the solar installation using 6 inch standoffs” Shirley Yorks seconded and the vote was 7 in favor and 1 opposed.

Roger asked a question about town insurance coverage for the installation. Wendy will follow up with Michael Capone.

Roger made a motion” to authorize the treasurer to liquidate \$35,000 from the stock portfolio to be used for the balance of the solar project”t. Archie seconded and motion was unanimously approved.

Lucille Keegan

Secretary