
Swiftwater Solar - Odd Fellows Hall Solar Quote

1 message

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Hey Michael,

Attached is our quote for the solar system we discussed for the Odd Fellows Hall building.

Solar System

The solar system is sized to a 95% annual offset. The reason for this is that a single Franklin aPower S battery has a maximum solar capacity of 20 kW. The current total solar array is 19.8 kW. I sized the solar system to fit onto a single battery and while this current proposal includes 2 batteries (effectively doubling the potential solar system) I kept the solar system limited to a single battery in case you would like to proceed with only a single battery.

Battery System

Because of the secondary electrical subpanel panel (which is quite full) and the large heating unit, I am recommending a second battery to allow the building to be fully utilized during an outage. If the only intention for the battery system was to manage the peak load shaving, and provide limited backup during an outage, I think a single battery would be sufficient.

I'm happy to provide a revised quote with only a single battery option. This design also includes the Franklin Smart Circuit Module which allows for programmable control of the EV charger outside, as well as another high amperage circuit (up to 80A). This is an important tool as it allows you to shut off or limit the EV charger in the event of an outage, or during times of normal grid operation.

If you or the Oddfellows administrative team would like to schedule a meeting to discuss the technical specs of the design, or if you would like additional information regarding the tax credit situation, I would be happy to set up a meeting with myself and our General Manager, David Nicol. David has over a decade of experience helping non-profits and similar organizations access funding sources for solar projects, and he would be happy to help Oddfellows through this process.

Please let me know if you have any questions.

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2 attachments **Swiftwater Solar Proposal, Oddfellows Hall.pdf**
9681K **Smart Circuits Module Datasheet.pdf**
1485K