

1. Ground Mount Array
 1. Changed the starting \$/kWh from WAPA from \$0.45 to \$0.56, the price scheduled to be in place as of January 2013.
 2. Changed payback from ~4 years to ~3.5 years.
 3. Then removed 50% Bonus Depreciation for systems placed in service in 2012. It's too late to make that deadline.
 4. Then removed the 30% tax credit which brought the payback to ~5 years.
 5. Changed the Helipad ground mount to new location, chosen by owner, labelled "Option A" and "Option B". Changed "Layout" image.
 6. Changed name from "Helipad" to "Ground Mount".
2. Cart Barn
 1. Removed 30% Tax Credit and 50% Bonus Depreciation
 2. Payback is ~4.5 years
 3. Removed "colored module" option
3. Mechanical Buildings
 1. Removed 30% Tax Credit and 50% Bonus Depreciation
 2. Payback is ~4.5 years
 3. Removed "colored module" option

Additional Info requested:

1. Net Metering with WAPA
 1. <http://www.viwapa.vi/OurEnergyFuture/NetMetering.aspx>
 2. Sample Net Metering Application (included)
 3. WAPA practices "true net metering" which means there is no financial transaction (they don't buy your energy at one rate, then sell you energy at another rate). Instead, the excess energy produced by your solar plant physically runs the meter backward. When you draw energy from WAPA the meter runs forward as usual. You are charged according to the meter's reading. If it rolled back as much as it rolled forward, your bill is zero. WAPA will not currently pay for energy produced that is in excess of what you used. (If you produced more than you need they don't buy the excess).
2. Point of interconnection:
 1. Cart Barn will back feed directly into service panel on location
 2. Mechanical Buildings and Ground Mount will be back fed at an appropriate location inside the switch gear room on the main feeder.
3. Wind Concern:
 1. As part of the design process our structural engineer, Paul Ferreras will do a site survey to determine wind load and soil conditions. The structure will be designed to withstand the environment from this data.
4. Battery Back up
 1. Watch this 7 min video from the manufacturer:
 1. http://www.sma-america.com/en_US/news-information/videos-animations/videos-animations-sunny-island.html

2. Battery Bank will be sized to meet loads at each location. Calculations will be part of the design process to meet your needs.
 1. Consider using electric Gators instead of diesel-powered carts to soak up some of the daytime load. These are “batteries on wheels”. The rest will be large, industrial batteries made for off-grid solar plants.