

Solar on Flower Studio

Materials cost for 8 kW of Solar = \$10,030.79

- (Includes 30 panels @ 265W each + inverters, racking, etc..)

Financial Incentives:

- REAP Grant: 25% back in first year. $\$10,030.79 \times 25\% = \mathbf{\$2,507.70}$

- Federal Tax Credit 30% — — — 2 parts:

1) 30% Credit on Materials. $\$10,030.79 \times 30\% = \mathbf{\$3,009.24}$

2) 30% Credit on Labor. Capture this!! $\$16,933.50 \times 30\% = \mathbf{\$5,080.05}$

(3 Porch Farm paid Steve fair market value for solar install which came to \$16,933.50.)

- Annual energy cost savings- $\$0.104/kWH \times 8,700 \text{ kWh/yr} = \mathbf{\$904.80}$

Total = \$11,501.79

Total Financial Picture: Cost = $\mathbf{\$10,030.79}$

Incentives = $\mathbf{\$11,501.79}$

30 Panel Solar System not only paid off, but provided $\mathbf{\$1,471}$ profit in first year, plus additional $\mathbf{\$900}$ Savings every following year.

Important Notes

- If you can do basic construction, you can do the install (super easy). It's all plug and play these days for streamlined installs.
- If you can do basic electrical (junction box, service panel, service disconnect), you can do the electrical. If not, just do the install and hire out the wiring. It will save you tons of \$\$\$ and give you a much bigger tax credit!!

Google:

- USDA REAP Grant
- Federal Solar Tax Credit (2019 is the last year for 30%!!!!!!) Act fast!! Still available in 2020, but drops to 25%.
- Your State's Solar Tax incentives (Georgia's expired after our first install)
- Your power provider's potential buyback plans. Or call your provider to ask.

Where do I get a good price and info on panels and inverters?

My preferred Vendor:

Jesse Stubbs

jesse@probidenergy.com

303-995-0978

He can answer your questions about site location, type of panels, type of inverters etc., but feel free to shop around. Try local providers. Try internet wholesalers. I've repeatedly found this guy to beat all other prices, but the internet is a big place and I could have missed something. Don't forget to factor shipping into your quotes.

Lastly, as literal caretakers of the earth, we need to consider the full breadth of our impact in this world. It's not just about plants. Farms consume a lot of dirty energy. Why have organic practices in the field, but pollute the atmosphere? We effect both. We should account for both. And for farmers/business owners who do there own installs, it's not just affordable, but profitable if the farm pays you to do it. Make your farm truly sustainable.

Tuesday, January 22, 2019