

Example Residential Solar Proposal

Company Information

Solar Installer A

Installer Contact Information

Company Logo

Customer Information

NIST

100 Bureau Drive, Gaithersburg, MD, 20899



System

Solar Panel Company B

Specifications

32 - 320W panels (10,240W)

19.6% rated efficiency

String inverters

Warranties

Panels = 25 years

Annual Panel Degradation Rate = 0.5%

Inverters = 15 years

Year 1 Production Estimate = 14,000 kWh

Year 1 Guaranteed Production = 13,300 kWh



System Installation Costs

$\$3.10/W * 320W * 32 = \$31,744.00$

Financial Incentives

Federal Tax Credit (26% of installed cost) = \$8,253.44

Maryland State Grant = \$1000

Net Installation Costs = \$22,490.56

Purchase Options

Cash = \$30,720.00

No Interest 1-year same as cash Loan = \$31,744.00 (12 payments of \$2645.33)

No money down, 12-year Loan at 5% = \$300/month

Example SREC Aggregator Options

SREC Certification Market

Maryland

Upfront Purchase

Rights to all SRECs = \$250/kW of capacity

Total = \$2560

Market Purchase (current price)

Spot Price = \$78/MWh of production

Price Range last 12 months = \$74-80/MWh of production

3-year fixed contract

\$45/MWh of production

Example Residential Electricity Bill

September Total Charges

\$190.00

September Consumption

1200 kWh

Simple Average Cost = \$0.1583/kWh

Historical 12-month Electricity Use

13000 kWh

Rate Breakdown

Fixed Monthly Charge = \$10

Variable Charges (Per kWh)

Generation charge

Summer = \$0.059

Winter = \$0.071

Simple Average = \$0.065

Transmission

All Year = \$0.012

Distribution

Summer = \$0.072

Winter = \$0.036

Simple Average = \$0.054

Taxes, Surcharges, Fees, Credits, Others

Sum = \$0.02

Total = \$0.151/kWh

Net Metering Excess Generation Rate

Equal to generation charge