



## Missouri Solar Applications, LLC

C100kW

May-09

### SOLAR SYSTEM INVESTMENT -- Commercial; No Rebate

*\*On a flat roof*

Selling Price:	\$7.00	per watt	X	100000	watts	=	\$700,000.00
Federal Investment Tax Credit:		30%	X	\$700,000.00	price	=	(\$210,000.00)
<b>Sub Total:</b>							\$490,000.00
Accelerated Depreciation Reduction of Tax Basis:	34%	Fed & State Tax Rates	X	\$595,000.00	Price x 85%	=	(\$202,300.00)
<b>NET INVESTMENT:</b>							\$287,700.00

### PAY BACK PERIOD

System Production*:	100000	watts	X	1.3	kwhr/year	=	130000	kwhrs
Electric Bill Savings:	130000	kwhrs	X	0.08	kwhr/year	=	\$10,400.00	
Utility/Aggregator Purchases of Renewable Energy Credits (REC) -- Varies Annually								
Annual Renewable Energy Credits:	\$200.00	Mwhr	÷	1,000	kW/mW	=	\$0.20	REC/kwhr
	\$0.20	REC/kwhr	X	130000	kwhrs	=	\$26,000.00	
<b>ANNUAL PAY BACK:</b>							\$36,400.00	
<b>PAY BACK PERIOD:</b>	\$287,700.00	Net Investment	÷	\$36,400.00	Annual Pay Back	=	7.90	Years



# Missouri Solar Applications, LLC

R5kW

May-09

## SOLAR SYSTEM INVESTMENT -- Residential; Rebate

*\*On a 6 in. 12 sloped roof*

Selling Price: \$10.00 per watt X 5000 watts = \$50,000.00

Federal Investment Tax Credit: 30% X \$50,000.00 price = (\$15,000.00)

**Sub Total:** \$35,000.00

Fed & State Tax Rates: 34%

Utility Rebate: \$2.00 per watt - \$0.68 Tax Rate x Rebate = \$1.32  
5000 watts X \$1.32 Rebate = (\$6,600.00)

**NET INVESTMENT:** \$28,400.00

## PAY BACK PERIOD

System Production\*: 5000 watts X 1.4 kwhr/year = 7000 kwhrs

Electric Bill Savings: 7000 kwhrs X 0.08 kwhr/year = \$560.00

Utility/Aggregator Purchases of Renewable Energy Credits (REC) -- Varies Annually

Annual Renewable Energy Credits: \$400.00 Mwhr ÷ 1,000 kW/mW = \$0.40 REC/kwhr

\$0.40 REC/kwhr X 7000 kwhrs = \$2,800.00

**ANNUAL PAY BACK:** \$3,360.00

**PAY BACK PERIOD:** \$28,400.00 Net Investment ÷ \$3,360.00 Annual Pay Back = 8.45 Years