

## SUR Energy Sample Payback DTE incentive program

### Expenses

Cost per watt	<b>\$8</b>
DC Nameplate Wattage	3000 watts
System install cost	<b>\$24,000</b>
DTE Cash payment/watt	\$2.40
Cash back	\$7,200
New cost	<b>\$16,800</b>
Federal tax credit	30%
Federal tax credit \$ amount	\$7,200
New cost	<b>\$9,600</b>

Typical cost of a large residential system

Typical size used for example

Paid soon after the system is installed.

Based on total system cost (also available with wind and solar hot water)

### Income

Renewable Energy Credit (REC) price/kWh's based on gen meter	\$0.11
Predicted monthly output (based on annual average)	300 kWh
Annual value of REC	\$396
Cost of Electricity	<b>\$0.11</b>
Annual value of Electricity without inflation	\$396
Annual Income+ Value	\$792
Simple payback (break even time)	12.12 years
Income after payback	\$3,120
Value of electricity for 25 year array life	\$5,100
Total return after break-even	\$8,220
Income as a portion of expense	\$0.86
Return in 25 year period	3.43%

DTE pays client to use the energy they generate. This is for a 20 year contract. System MUST PERFORM to get this value.

This is typical output with a little shade.

They pay you this IF THE SYSTEM PERFORMS as expected! (.11x 300 x 12mo)

You use what is generated so this is the value of the electricity you DON'T have to buy. (.11 x 300 x 12mo) \*\*\* SEE NOTE BELOW

Inflation would likely reduce this number.

REC contract is 20 years.

This is the value of the electricity from the break-even point (12.12 years) to a safe life expectancy of the system. It may be much longer than 25 years.

\*\*\* SEE NOTE BELOW

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\*\*\* Note that these numbers are ALL in terms of today's dollars. If electricity inflates faster than general inflation, the return should improve because the 300kWh's listed will increase in value over time (\$396 will be larger and larger). If general inflation outstrips the inflation of electrical costs (unlikely) the opposite will be true.