



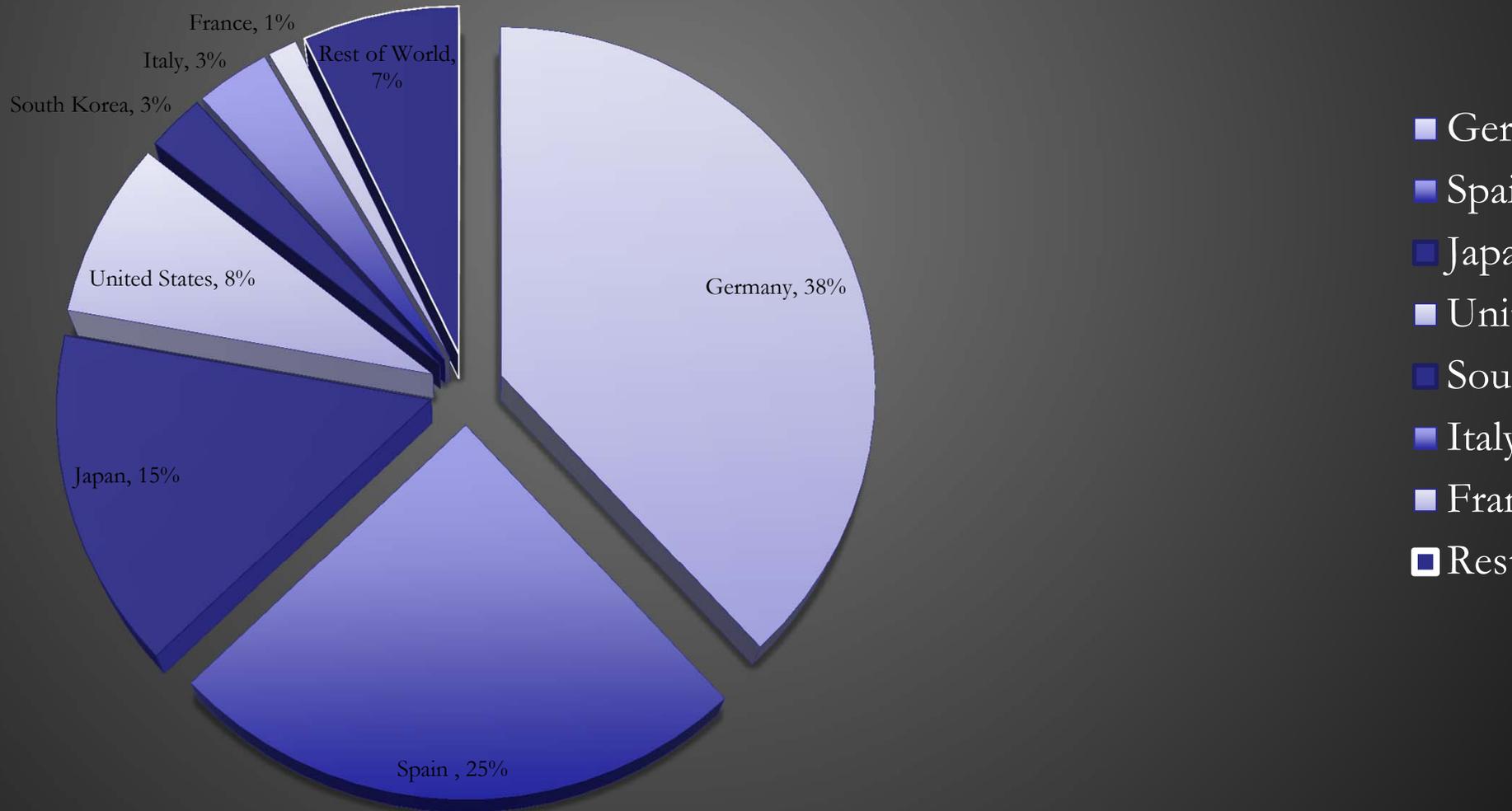
PV Panel Investment

OVERVIEW

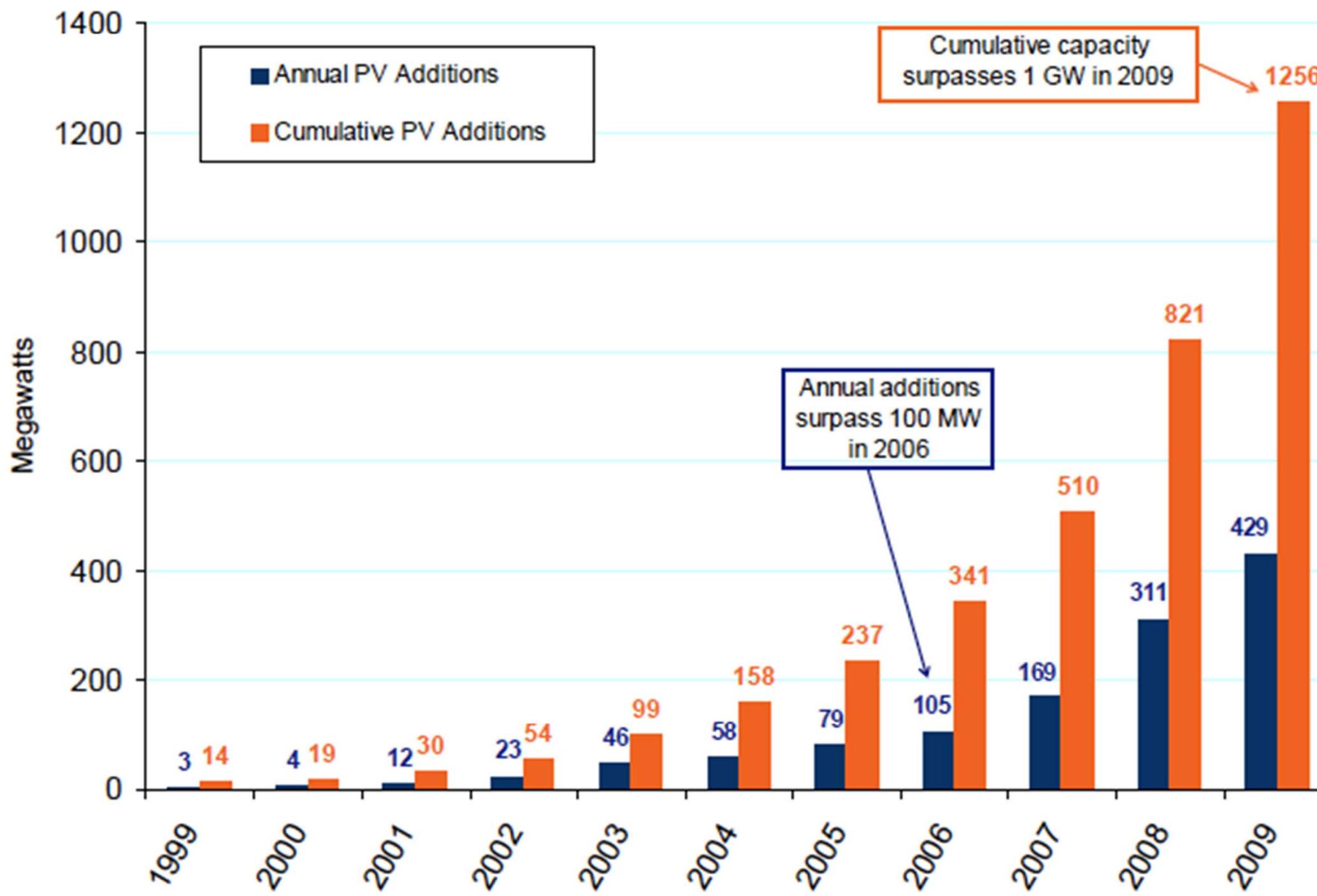
- ❖ Solar Global Trends and Growth
- ❖ Solar Process and Net Metering
- ❖ Sample System Breakdown
- ❖ Personal System Details

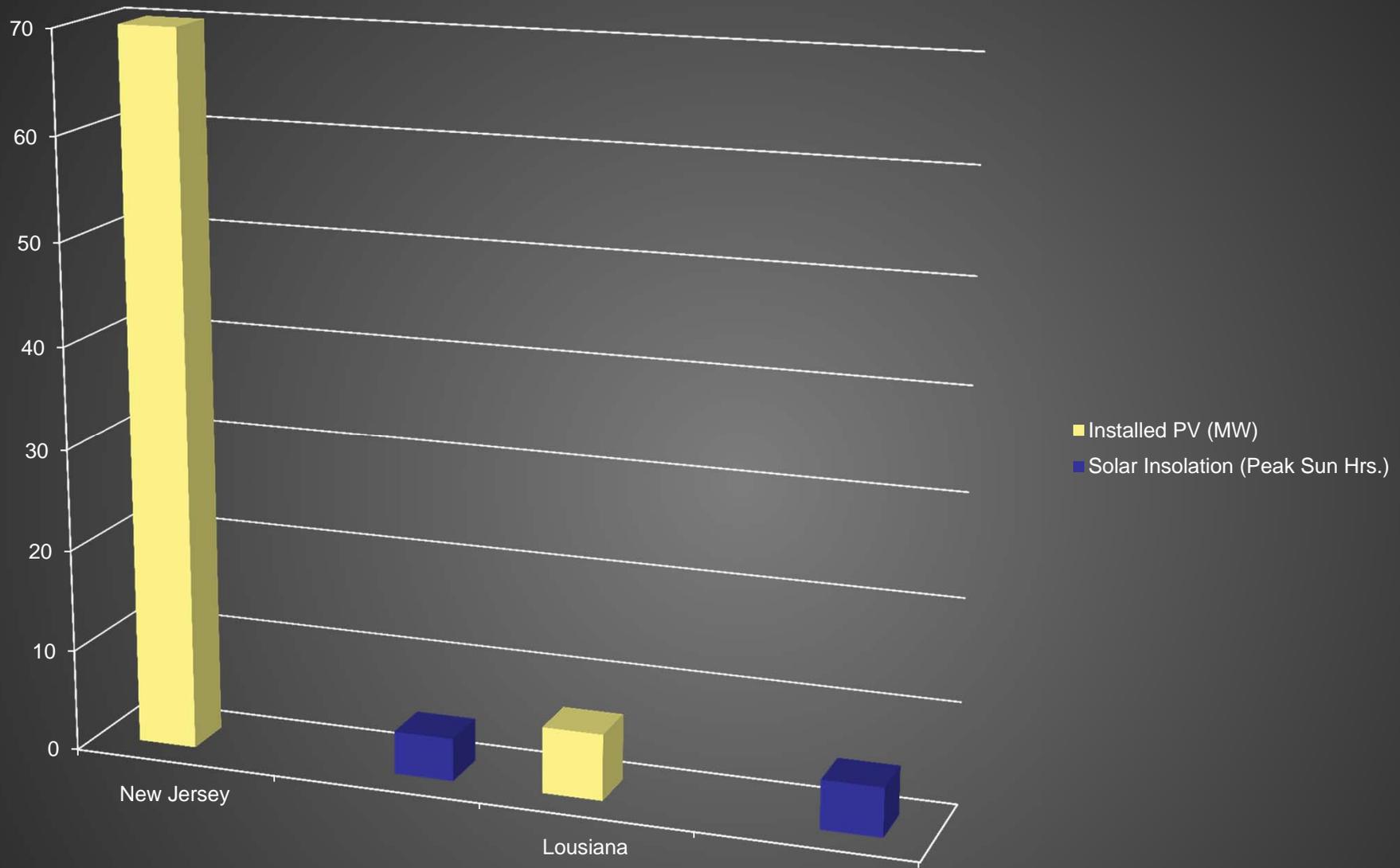
Worldwide Growth

PV Cumulative Installed Capacity through 2008

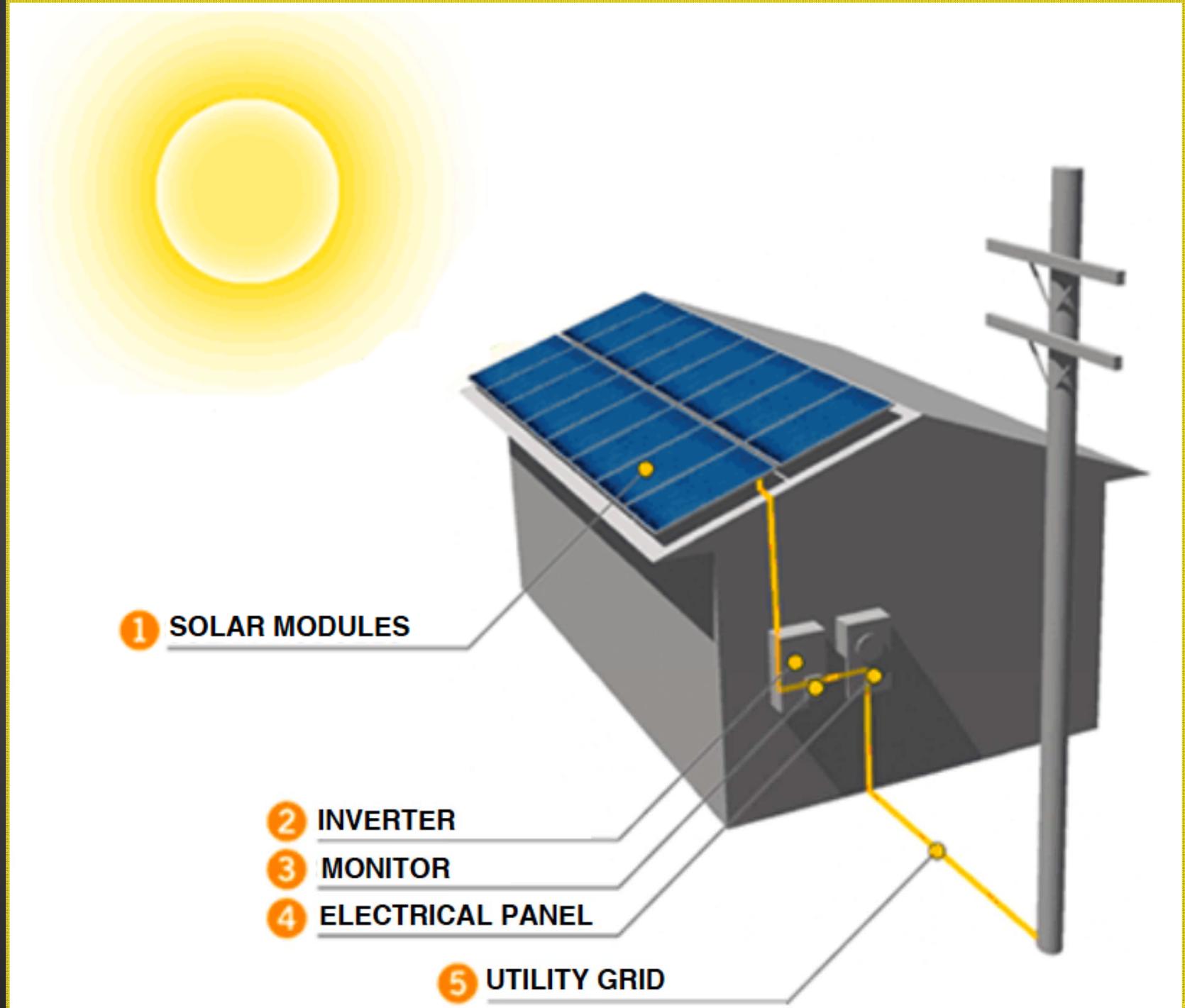


U.S. Grid-Connected Photovoltaic Capacity Growth, 1999 – 2009





PV Panels Provide Clean, Valuable Electricity



Net Metering

panels produce electricity

meter registers electricity produced
consumed

excess electricity spins the meter forward
backward

net metering credit decreases future bills
consuming less electricity than you
produce



Regular Home

| | | |
|------------------------------------|---|------------|
| Electricity Used by the House | | 1000 kWh |
| Charge for each kWh of Electricity | x | \$0.10/kWh |
| Total Cost of Electricity | | = \$100.00 |

Solar Powered Home

| | | |
|--|---|------------|
| Electricity Used by the House | | 1000 kWh |
| Electricity Generated by the PV System | | - 750 kWh |
| Net Metered Amount of Electricity | | 250 kWh |
| Charge for each kWh of Electricity | x | \$0.10/kWh |
| Total Cost of Electricity | | = \$25.00 |



System Savings

| | |
|------------------|-------------|
| System Size | 4.32 |
| Monthly Savings | \$55.40 |
| Lifetime Savings | \$29,500.00 |
| Simple Payback | 7 |

System Cost

| | |
|-----------------------|-------------|
| Cost of System | \$28,000.00 |
| Federal Tax Credits | \$8,400.00 |
| Louisiana Tax Credits | \$14,000.00 |
| Net Cost | \$5,600.00 |



Joule



Partly Cloudy
92.0 F (33.3 C)

Welcome, Eric

Updated: Jul 16, 2010 02:04 PM

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Home

How It Works

Reports

Settings

Net Meter



GENERATION

1.3 kW



LOAD

2.9 kW



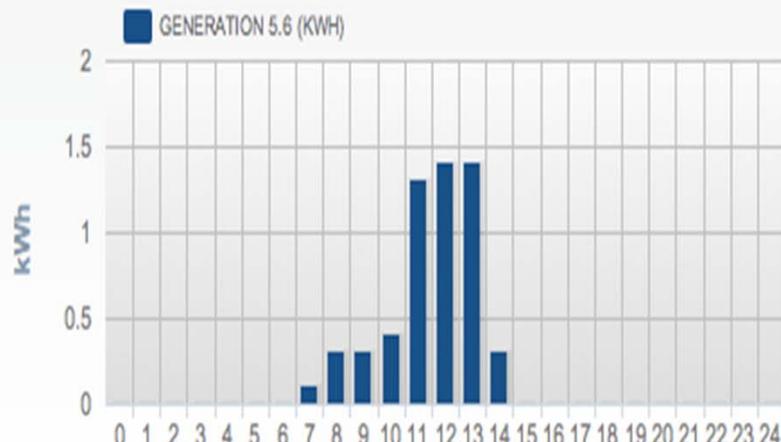
NET METER

1.6 kW

Your System



Historical Generation



DAY

WEEK

MONTH

YEAR

LIFE

System Summary

SIZE

4.3 kW

Environmental Benefits Since Installation



CARBON

600.0



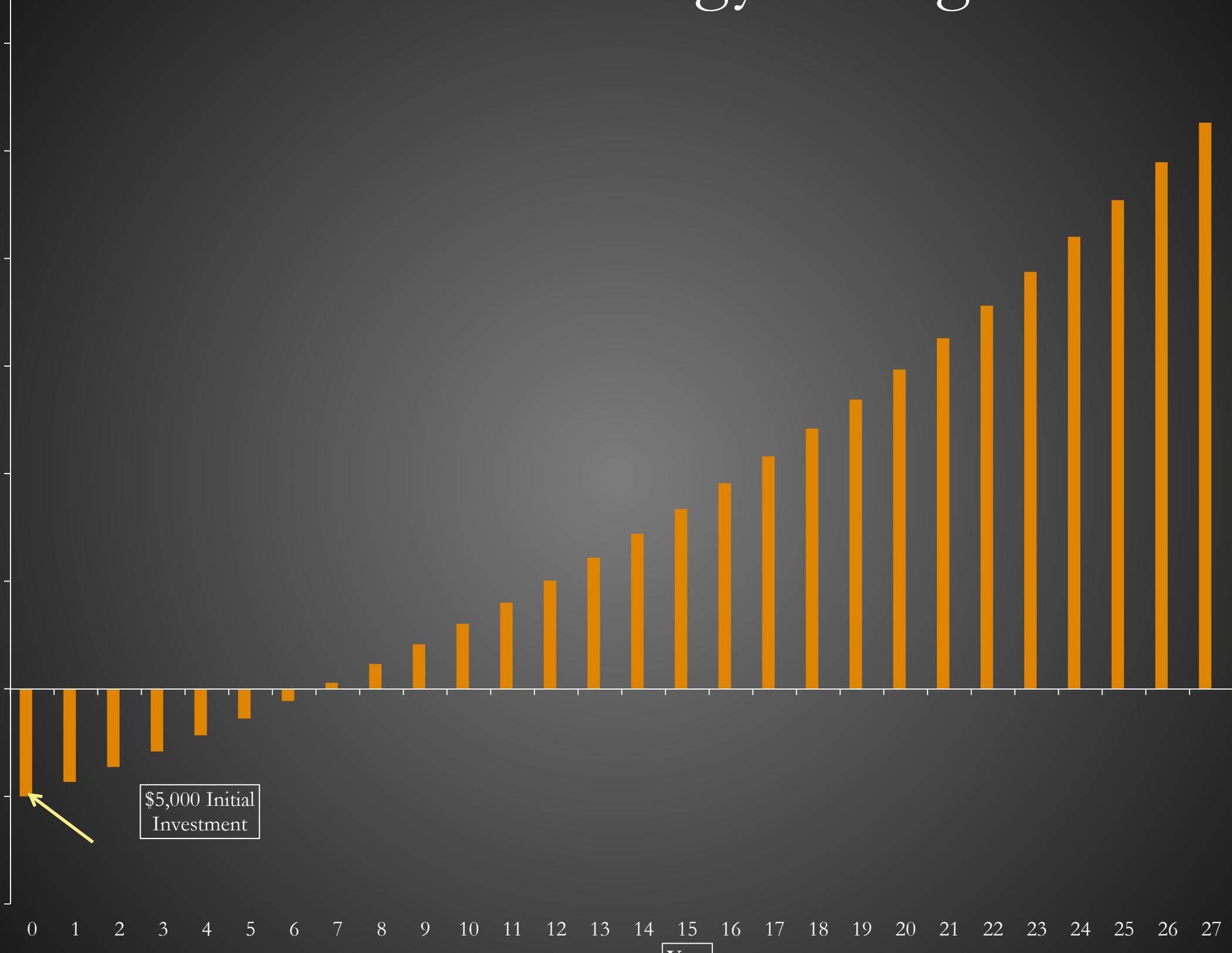
TREE

2.1

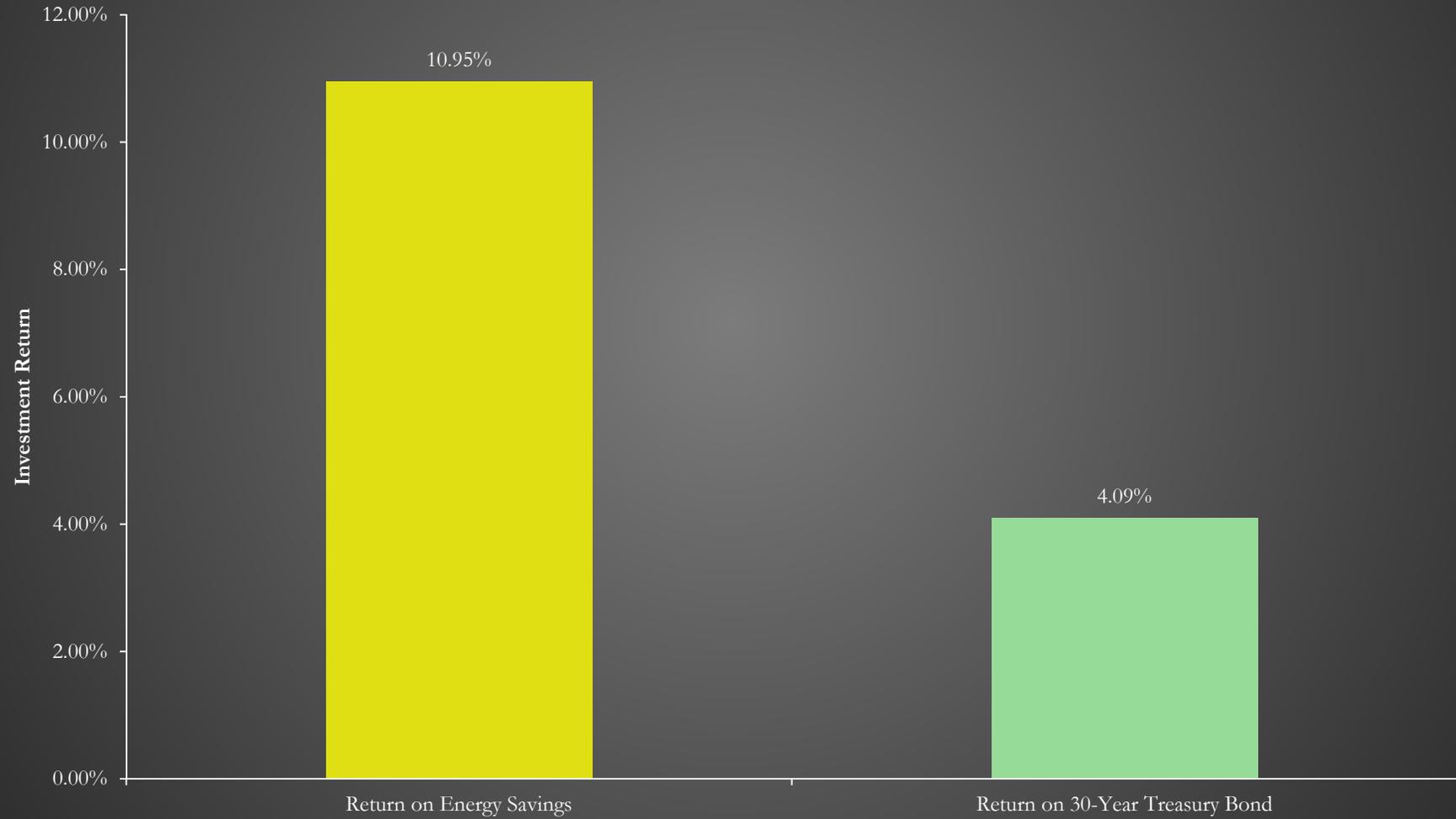


OIL OFFSET

17.7



Investment Returns



(1) Return on Energy Savings assumes i) an Annual Degradation Factor of 1% ii) an Annual Energy Inflation of 5% and iii) a Base Electricity Rate of \$0.11/kWh.

(2) 30-Year Treasury Bond Return as of July 15, 2010.