

## Cost comparisons between Photovoltaics and the Power Purchase Agreement

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Starting use at 81 MW of demand

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175,200 MWH of photovoltaic energy from 132.2 MW  
equivalent to 20 MW every hour of the year

\$9,609,969.76 Photovoltaic annual cost

\$276,812.58 Reduction in Sikeston costs of energy  
due to covering additional demand

\$9,333,157.18 Adjusted Photovoltaic Annual Cost

\$8,543,607.60 Purchased Power annual cost

\$789,549.58 Difference in annual costs

Starting use at 121 MW of demand

170,820 MWH of photovoltaic energy from 128.895 MW  
equivalent to 19.5 MW every hour of the year

\$10,941,303.84 Photovoltaic annual cost

\$2,020,532.47 Reduction in peaking energy  
using Sikeston energy cost value

\$8,920,771.37 Adjusted Photovoltaic Annual Cost

\$8,543,607.60 Purchased Power annual cost

\$377,163.77 Difference in annual costs

Impact on renewable energy

Starting use at 81 MW of demand

0.69% of retail sales

14.92% of total energy demand

Starting use at 121 MW of demand

0.33% of retail sales

14.54% of total energy demand