



## 61.2kWdc Project: Jensen Farm

This grain farmer in central Iowa has always been interested in renewable energy and saw a lot of wind power generation in Iowa, but not much solar. When the owner heard the financial incentives to 'go solar' in this part of the country are some of the most favorable in the country he requested a customized solar feasibility and financial analysis report for his property.

SunPeak reviewed his current energy bills and discovered his blended utility rate was \$0.10/kWh, which is projected to rise to \$0.202/kWh over the next couple decades. We explained our proposed SunPeak system would reduce his energy bills to an after tax Levelized Cost of Energy of only \$0.041/kWh and it would remain fixed for the 25 year life of the system.

The system installed on his shop is projected to generate 86,600 kWh/year, which will offset 51% of his current energy consumption. By going installing solar he will produce the equivalent of \$8,660/year at his former utility rates. This figure is anticipated to grow over the lifespan of the system as the utility rates rise, leading to a total lifespan projected savings of \$347,000. Once the federal and state tax credits and depreciation was taken in to consideration, his net investment was significantly reduced making the return on investment very favorable.



Project Highlights	
Customer	Jensen Farm
Buildings	Grain Farm
Location	Nevada, Iowa
System Type	Rooftop photovoltaic
Completion Date	September, 2015
Installation Duration	~ 4 days
Annual Energy Production	86,600 kWh/year (significant % of annual energy usage!)
AC Capacity	50 kWac
DC Capacity / DC:AC Ratio	61.2 kWdc / 1.22 DC:AC
Module Number & Type	240 modules, each 255 W polycrystalline
Mounting Scheme	Flush mount
Inverter Type	Two Huawei SUN2000-25KTL-US (3 phase)

SunPeak can lead you through the world of generating your own power using the sun's free natural energy. Please contact one of our sales consultants today to begin the discussion. Our goal is to educate everyone about the exciting new alternatives available to economically power your business. We are a high integrity group, offering the strongest value in the industry.



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