

## Professional Self Storage Bloomington, IL (2017)



### System Benefits

#### 122 kW (DC) Solar Capacity

- Est. Annual Energy: 145,000 kWh

#### Equipment:

- Panels: 375 Hanwha 330 Watt
- Inverter: 12 SMA 7700 Watt & 1 SMA 20,000 Watt

#### Funding:

- Bought outright by owner
- SREC \$89,300 over 5 years
- 30% Federal Tax Credit
- MACRS Depreciation

**Completion Date:** August, 2017

#### Annual Impact:

- \$13,500 utility savings
- IRR 10.2%
- 5 year payback
- Over 225,000 avoided lbs. of CO<sub>2</sub>

#### 25 Year Impact

- \$341,000+ Electricity Savings
- 3,414 Megawatt Hours
- 14, 528 avoided tons of CO<sub>2</sub>



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The Professional Self Storage in Bloomington, Illinois decided to invest in its energy future by installing a 123.5 kW solar PV system on its roof that will power the newly built Foundry Square. The Foundry square includes the commercial businesses of Green Top Grocery, Bloomington Cycle & Fitness, and The Gingerbread House.

Altogether, the 123.5 kW solar system will produce over 145,000 kilowatt hours (KWh) of electricity in its first year..The installation of this solar system will also avoid over 14,528 tons of CO<sub>2</sub> emissions, which is equivalent to 68,000 trees or a year's worth of power for 244 homes.

The majority of project was financed through the owner of the Foundry Square. The remaining part of the system cost was covered through 30% Federal Tax Credit, MACRS depreciation, and the Illinois Power Agency Solar Renewable Energy Credit (SREC) program.

The SREC incentive is based on the solar production of the system with every 1MW of energy production resulting in a SREC payment each quarter for 5 years. The system will produce more than \$89,000 in SREC payments during its 5-year contract. The SREC program helps the state of Illinois procure renewable energy via in-state sources and brings Illinois into compliance with its goal of 25 percent renewable energy generation by the year 2025.

The future of renewable energy looks bright in Illinois. With the passage of the Future Energy Jobs Act in December 2016, Illinois will increase installed solar capacity by 1,350 Megawatts (MW) by the year 2020. See how solar can impact your commercial business's bottom line by visiting [StraightUpsolar.com/commerical](http://StraightUpsolar.com/commerical).