



Scranton Heating and Cooling is a family-owned business that maintains, manages, and installs geothermal systems around central Illinois. With the HVAC industry's evolving technology and eco-friendly advancements, getting into and installing PV solar only made sense.

John Scranton, owner of Scranton Heating and Cooling, started a joint solar project with his son Casey (see solar install, here) to install solar on his shop and on their homes. With great opportunities personally and for his business, John was very eager to pair his solar array with his geothermal system.

## **INSTALLATION DETAILS**

With his load-bearing roof facing south, John only needed a 10kWh solar array to power his entire shop. John has properly insulated and went under construction to add more roof availability to incorporate solar. He is also interested in progressing to other types of systems such as batteries for energy storage and additional solar panels to further his shop's and home's efficiencies. Since John lives in a state that has a Solar Renewable Energy Certificates (SREC) program, his array qualified and was approved.



# Scranton Heating and Cooling Facility

## PROJECT DETAILS

<b>Roof Size:</b>	40' x 44'
<b>Solar Equipment:</b>	<b>Mission Solar 340W Modules</b> <b>APsystems YC500i Micro Inverter</b>
<b>Contractor / Installer:</b>	Scranton Heating and Cooling
<b>Electrician:</b>	Scranton Heating and Cooling
<b>Savings:</b>	<b>Estimated Monthly Utility Costs:</b> Before Solar: \$300 After Solar: \$100



CONSTRUCTION TYPE  
**Retrofit**



SOLAR PANELS  
**40 Roof Mount**



INVERTERS  
**20**



POWER PRODUCTION  
**10 kWh**

