



Casey Scranton is based in central Illinois and is a geothermal installer. He and his father, John, had both expressed interest in getting solar PV. Casey said, "We decided to start our solar journey because it was a good opportunity for our company and our homes. The efficiency, technology, and incentives have come a long way. We thought we needed to consider what solar represents, which is an advancement in technology and an opportunity we couldn't miss out on. And, we can't wait to see how it pairs with our geothermal system."

INSTALLATION DETAILS

Since Casey already has a vertical loop, 4-ton geothermal system installed in his home, his energy load was much smaller which necessitates fewer panels. Casey chose microinverters due to shading spots on his roof, which allows only the shaded panels to turn off rather than the whole array, and went with DPW racking for the panels. He also noted that he plans on naturally progressing towards other energy-efficient technologies such as; batteries for energy storage and additional solar modules to achieve net-zero living.



Scranton's Solar Journey

PROJECT DETAILS

Roof Size:	2600 sq. ft.
Solar Equipment:	Mission Solar 340W Modules APsystems YC500i Micro Inverter
Contractor / Installer:	Scranton Heating and Cooling
Electrician:	LMD Solar, LLCg
Savings:	Estimated Monthly Utility Costs: Before Solar: \$200 average per month After Solar: \$100 average per month



CONSTRUCTION TYPE
Retrofit



SOLAR PANELS
39 Roof Mount



INVERTERS
20



POWER PRODUCTION
10kW

