



# CROSSROADS METHODIST CHURCH

PHOENIX, AZ

## THE SUN VALLEY SOLAR DIFFERENCE

After assessing CrossRoads' needs, SVSS was able to:

- Engineer a cost-effective 107kW system incorporating more than 450 Bosch solar panels.
- Avoid the equivalent amount of CO2 emissions generated by burning 143,489 pounds of coal.
- Secure the unattached roof and modify the original solar design for the new roof conditions.
- Cover 90% of the church's energy requirements, putting money back in their pocket to for their church.

KEY FACTS	
	LOCATION: PHOENIX, AZ
	SYSTEM SIZE: 107 KW
	PANELS: BOSCH
	INVERTERS: FRONIUS
	ANNUAL PRODUCTION: 183,000 KWH
	SAVINGS: 90% OF BILL/YEAR

## WHY SUN VALLEY SOLAR

After meeting with several leading solar energy companies, CrossRoads' leadership decided to partner with Sun Valley Solar Solutions for their clean energy mission. SVSS would ultimately handle all aspects of the design and installation, as well as helping the church secure financing.

When retrofitting new technology to existing structures, there are always challenges, and CrossRoads' church was no different. Once construction began on the solar PV system, the SVSS team discovered that the church's existing metal roof was not fully secured to the underlying structure. Since the church was scheduled to begin a second unrelated construction project within a few weeks, any delays on the solar installation would have impacted the other project as well.

I was impressed with how SVSS took command of every situation, and was always willing to go the extra mile for our church. They are one of the best companies I've had the pleasure to work with.

**PASTOR DOTTIE**





## THE SOLUTION

The SVSS team moved swiftly to secure the roof and tweak their system design to better accommodate the new roof conditions. Despite the hurdle, the project remained on schedule and was completed in plenty of time for the second construction to get underway.



More than 450 high-efficiency modules were installed



CrossRoad's church is now offsetting over 183,000 kilowatt hours of electricity annually



Fronius inverters were selected for the church's project

I was impressed with how SVSS took command of every situation, and was always willing to go the extra mile for our church. They even trimmed our trees!

**PASTOR DOTTIE**

## THE BENEFITS

The final Solar PV installation at CrossRoads United Methodist Church includes over 430 Bosch solar panels and nine Fronius inverters. In its first year, the system produced over 183,00 kWh of electricity and as much as 90% of the Church's overall electricity.

"The system delivers even better than they projected," concluded Pastor Dottie. Our congregation couldn't be happier knowing that we're saving the planet and saving money all at the same time."

## ABOUT SUN VALLEY SOLAR

Sun Valley Solar Solutions is Arizona's leading solar company. With over 17 years in business, they've installed over 124 Gigawatts of energy and have helped thousands of Arizona homeowners and businesses save on their electric bills and find ways to turn sunshine into savings.

