

Sugar Creek  
Church

# case study

## Ground mount Solar for Religious Organizations

**25 year savings estimated at \$483,642**

Sugar Creek Church in Chatham, Illinois was installed in 2024. Their sizeable property allowed Route 66 Solar to install a ground mount system of 120 panels. The nice feature about ground mount systems is they can be easily expanded should usage increase in the future. The impressive 25 year savings estimated will allow Sugar Creek to redirect funds to their mission and other community based projects throughout the coming years.



### Project Summary

Annual Energy Usage 68,480 kWh  
Estimated Energy Production 71,3456  
kWH  
Estimated Solar Energy Offset 104%  
Solar System Size 46.8 kW  
Number of Panels 120



### Return On Investment

**25 year savings estimated at \$483,642**  
64% of system covered through federal  
and state incentives  
Breakeven ~3.5 years

