

Presbyterian Church of Okemos

In-Ground Solar Array

- **PCO is making a strong, visible statement about our commitment to caring for creation with the in-ground panels very visible from Okemos Road**
- **Solar Installation – 100 panel in-ground system in two arrays**
- **To date PCO has saved the equivalent of over 142,000 lbs of CO2 emissions or the planting of 1,074 trees**
- **Consumers Energy credits PCO for excess energy pushed out to the grid**
- **In 2024 PCO saved \$6,251 in electrical costs while spending \$1,809; approximately a 77% cost savings relative to prior years.**
 - **Solar arrays came online in March, 2023; in 2024 (our first full year) the panels produced 46,700 kWh offsetting more than 100% of our 2022 usage of 45,360 kWh.**
 - **In 2024 PCO consumed approximately 1/3 of the 46,700 kWh electricity generated with the remaining 2/3 being pushed onto the grid. We still use grid electricity when our real time needs don't match our real time production.**
- **Funding of the panels will partially come from the Inflation Reduction Act (30%); Capital Campaign (20%), and annual electric savings**
- **Solar Vendor – Homeland Solar, Ann Arbor**