

Community solar: How does it work?

It all starts in a solar garden
with the sun's rays.

1 Solar panels in a community solar garden collect energy from the sun.

2 The solar panels turn the sun's energy into electricity.

3 The electricity passes through a box called an inverter to turn it into the kind of electricity we use every day.

4 The electricity travels through wires into the local distribution grid, where it can reach customers.

5 The solar-generated energy is then available to your YMCA and to other members of the community who have bought electricity from the renewable-energy solar garden. It can then power your lights, TV, oven, computer and even your mobile phone!

Our **YMCA** is
SOLAR
empowered.

Community benefits of a 5 MW solar array

Enough to power

250,000



Powering over

1,000



CO2 emission reductions similar to

~30,000



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