

ABOUT US



Sustainability
Ambassadors

Sustainability Ambassadors is a professional development program for student leaders, teacher leaders and community leaders committed to **educating for sustainability** by aligning classroom rigor with community relevance for real world impact.



SPHERE
SOLAR ENERGY

Sphere Solar Energy makes **clean energy** systems more accessible throughout the Northwest and in developing communities abroad so that a greater number of individuals can power their homes and their lives in a **sustainable way** - reducing harmful emissions, lowering electricity bills, building resilience.

About **Solar** PV

Solar photovoltaic (PV) systems produce electricity from the sun. These types of systems can be mounted on roofs to provide power to the building and back to the grid.



What sized system should I get?

- System size is measured in kilowatts (kW)
- System production is measured in kilowatt-hours (kWh)
- 1 kW of solar PV produces 1000-1100 kWh/yr in Western Washington
- Average home uses about 12,000 kWh/yr,
- Therefore, 12 kW of solar PV would power the average home 100%

DOES SOLAR WORK HERE? **YES!**

Washington receives 15% more sunlight than Germany, a world leader in solar energy. Cooler temperatures also maximize solar panel efficiency and lifespan.

SOLAR
NEIGHBORHOOD
CHALLENGE



A partnership between
Sustainability Ambassadors and
Sphere Solar Energy

REASONS TO JOIN THE CHALLENGE

Lower Electric Bills

Reduce energy usage by generating electricity on site. If your solar panels generate more power than you use, the utility will credit you for the extra electricity produced.



Environment

Solar panels are an investment in removing harmful fossil fuel emissions, improving air quality and stabilizing our climate to reduce the costly damage of extreme weather events such as floods, droughts, wildfires, and hurricanes.



Energy Resilience

Paired with backup batteries, solar panels allow you to be independent from the grid. The battery is charged by your solar panels and ready for use when the power goes out.



FOR THE COMMUNITY:

For every **10 homes** that participate in this challenge, Sphere Solar Energy will donate services to a local nonprofit.

For every **30 homes** that participate, Sphere Solar Energy will donate a solar-powered water pump to the Maasai tribe, located in Kenya.

GO SOLAR WEBINARS October Series

Join any of our **youth-led webinars** to learn how solar panels can work on your roof and the financial incentives waiting for you to Go Solar! Attend any webinar and get a free estimate from our partner Sphere Solar Energy.

SAT 10/8, 7:00-7:30PM

WED 10/12, 7:00-7:30PM

SUN 10/16, 7:00-7:30PM

Pick the day that best suits your schedule! Bring family and friends.

REGISTER!



Solar Challenge Costing

Factors such as roof height, slope, and material may affect the price. When you receive your free site assessment, the consultant will give you a specific quote and Solar Neighborhood Challenge price.

Incentives

- **Solar Federal Tax Credit:** You can claim **30%** of the total project until the end of 2022 (steps down to 22% until Dec 31, 2023)
- **Zero Sales Tax:** Solar projects are exempt from the 10% sales in Washington state.
- **Net metering:** Save money on your electricity bill by paying only for what you need, and receive credit from the utility for your surplus electricity.
- **Financing:** There are options with terms up to **15 years**, loan amounts up to **\$50,000**, and fixed rates as low as **3.25%**

YOUR STEPS TO SOLARIZE

1. Receive a free site assessment. Sphere Solar Energy can contact you to quote your custom system.
2. Sign your project proposal contract. Until you sign, you are under no obligation to proceed.
3. Go solar, and challenge your friends and neighbors!

CONTACT



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YOUR SOLAR PROJECT

1. Review your project proposal, and accept
2. We review the site to develop a customized engineering plan
3. We secure permits and approval from the utility
4. We commission and install your solar panel system
5. See savings and credits on your electricity bill
6. Recommend solar to your friends and family!