



Repowering used solar panels to build energy independence

Who we are

Revolve Solar is a Seattle-based engineering company that develops products to re-power used solar panels for new applications. We strive to expand clean energy in disadvantaged communities.

The problem

- Nine out of ten solar panels are landfilled instead of recycled, with many of them - particularly those that were leased or replaced due to tax incentives - being still functional when discarded.
- Recycling is expensive and most states lack an established pathway for end of life solar.
- At the same time, low income communities are priced out of access to solar power. We are throwing away a resource instead of using it in the places that need it the most.



Our solution

Revolve Solar takes functional used solar panels from solar businesses and uses them to build physical products. Our products include:

- Rapidly assembled solar patio umbrellas
- Solar carports for EV charging
- Solar powered community resilience hubs for emergencies

Traction

Our first product is a solar umbrella that provides shade and reliable grid-independent power. Designed for rapid assembly, our solar umbrella brings affordability and usability to off-grid power. We have installed these umbrellas with local tool libraries to enable customers to work on reuse and repair projects on-site.



What's next

Over the upcoming year, we aim to grow the founding team and to launch a crowdfunding campaign to bring our umbrella design into production.

We are conducting outreach as we design the first prototype of our community resilience hubs to best meet the needs of the communities that we serve. We're looking for stakeholder input and funding to execute a demonstration project.