



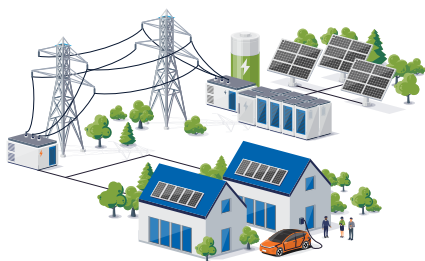
LOW-CARBON SOLAR CELLS AND PV MODULES

Investing in renewable energy sources contributes to growing a clean economy that benefits everyone. As North America's leading solar manufacturer with 40+ years of solar experience, Silfab continues to move forward with its initiatives to provide solutions for long-term sustainability and provide leadership within the solar industry.

A Silfab Solar® Panel Made With a Low-Carbon Footprint Is a Sustainable One

In order to support rising demand and maximize the benefits of solar, it is critical that the industry focus on its own carbon footprint. Silfab's most impactful decision to lower our embodied carbon footprint has been to locate our facilities in North American jurisdictions with clean energy grids. As the United States becomes more focused on clean energy, manufacturing and transportation-related emissions are on the decline. Silfab's upcoming US solar cell production facility will further reduce the carbon footprint of Silfab Solar panels.

Manufacturing in North America enables access to cleaner electricity grids, which allows our solar panels to have a lower embodied carbon footprint than those made in other regions.



The key metric for measuring solar's clean energy benefits is its net greenhouse gas emissions, calculated by subtracting the emissions caused by manufacturing solar panels from the greenhouse gas reductions using solar energy creates.

ELECTRICITY EMISSION FACTORS IN DIFFERENT SOLAR CELL/PANEL MANUFACTURING REGIONS (T/MWh)	
Silfab US-North West (WEC)	0.423
Silfab US-South Carolina (Est.)	0.290
Silfab Canada-Ontario	0.072
China	1.023
Malaysia	0.832
Germany	0.558

Electricity emission factors: for calculating embodied carbon in solar panels (lower is better), electricity consumption is the most significant contributor to the embodied carbon in a solar panel. Silfab's electricity is consumed in either the US North West, US South West, or Ontario, Canada. Those electricity grids have significantly lower carbon emissions than other regions where solar panels are manufactured. (Data: Ultra Low Carbon Solar Modules criteria document and epa.gov.)

WORKING TO CREATE A SUSTAINABLE FUTURE

We are committed to reducing our Scope 1 and 2 carbon emissions 50% by 2030 and being net zero by 2040.

SILFAB SOLAR'S NET ZERO COMMITMENT

We are driven to create clean energy with every solar panel we make. This positive energy makes a sustainable contribution to our world and climate. We are committed to upholding our core values in our business processes: providing a safe and equitable workplace for our employees, treating our partners and communities with respect, and adhering to the highest ethical operating and business standards.

Making solar energy a reality is our biggest contribution to a sustainable energy future. Silfab's long history of manufacturing solar panels has resulted in significant emissions reductions globally. Below are our own estimates of that impact.

SILFAB SOLAR LIFETIME ELECTRICITY PRODUCTION AND GHG REDUCTIONS ESTIMATES

61,726,677 MWh

6.63 Mt CO₂e

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