

# NEWS RELEASE

For Immediate Release

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## **First Utility Scale Demonstration of Morgan Solar's SimbaX Technology Fully Operational**

Burdett, Alberta - Alberta Solar One (ABS1), a 36,500 panel (13.7MW-DC) project using Morgan Solar's SimbaX technology, is now energized and in full operation. The panels manufactured by Silfab Solar incorporate SimbaX, Morgan Solar's proprietary optical film technology, which boost the energy generation of PV modules.

ABS1 is a major proof point of SimbaX which uses optical films to redirect otherwise discarded light onto the PV cells to boost generation. The SimbaX platform is flexible, and Morgan Solar is currently working with partners on variants that can be incorporated into buildings, generate 100% of the power with 90% of the cells and mitigate the impact of single axis trackers' shading on bifacial modules. The films can be formatted to be easily integrated into any panel manufacturers production processes.

The project also is a significant validation of Morgan Solar's approach to commercializing technologies. "Our strategy is to apply our expertise in designing light management solutions using only proven materials and industry standard manufacturing processes and working with credible established supply chain partners like Silfab, and market leaders like Enbridge. I call this approach 'T-innovation' and the result is innovation that is low capex, bankable and immediately scaleable," said Mike Andrade, CEO of Morgan Solar.

ABS1 will supply the equivalent energy needs of about 3,000 homes, offsetting about 12,000 tonnes of carbon annually. The project was co-developed by Enbridge and Morgan Solar, with support from Emissions Reduction Alberta (ERA) and Sustainable Development Technology Canada (SDTC).

Morgan Solar Inc., a leading developer of light management solutions and sensors for the utility solar and building markets, was established in 2007 and is headquartered in Toronto, Canada.

Silfab Solar is a North American manufacturing leader in the design and development of ultra-high-efficiency, premium quality PV modules with operations in Bellingham, Washington (USA) and Toronto, Canada.

Enbridge Inc. is a North American leading energy infrastructure company with interest in 33 facilities totalling nearly 1.8 GW of net renewable power generation capacity in operation.

ERA was created in 2009 to help Alberta deliver on the province's environmental and economic goals. ERA has committed \$646 million toward 204 projects worth \$4.5 billion that are helping to reduce GHGs, create competitive industries and are leading to new business opportunities in Alberta. These projects are estimated to deliver cumulative reductions of 37.7 million tonnes of CO<sub>2</sub>e by 2030.

SDTC helps Canadian companies develop and deploy competitive, clean technology solutions, to help solve some of the world's most pressing environmental challenges: climate change, clean air, clean water and clean soil.



*(Photo: Enbridge)*

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