



WATERVILLE COMMUNITY SOLAR GARDEN

Project Highlights

- **Project Name:** Waterville Community Solar Garden
- **Project Type:** Community Solar | Ground Mount System
- **Project Location:** Waterville, Le Sueur County, Minnesota, USA
- **Project Size:** 6.63 MW DC
- **Project Operation Date:** August 2018
- **PV Module Supplier:** Boviet Solar
- **Project Developer / Sponsor:** New Energy Equity
- **Project Owner / Operator:** Nautilus Solar (2018–2019) → Altus Power America

Project Overview

Waterville Community Solar Garden is a 6.63 MWdc community solar project in Waterville, Le Sueur County, Minnesota, developed by New Energy Equity with Boviet Solar's top-performing PV modules and owned/operated by Nautilus Solar (2018–2019) and Altus Power America (2020 onward), commissioned with initial operation in March 2018 and full commissioning in August 2018. The ground-mounted array delivers clean electricity into Xcel Energy's distribution network under Minnesota's Community Solar Garden (CSG) program.

The project offers many economic, social, and environmental benefits. It produces approximately 8.8 GWh of clean electricity each year, enough to power about 1,100 Minnesota homes. Economically, it creates local construction and ongoing O&M jobs and generates recurring tax and land-lease revenues. Socially, the CSG subscription model expands access to solar power for residents and small businesses that can't host rooftop systems. Environmentally, the system avoids roughly 3,900 metric tons of CO₂ annually, saves about 6.5 million liters of water, and displaces approximately 1,400 short tons of coal each year, contributing to Minnesota's long-term decarbonization goals.

Economic Benefits

Waterville CSG converts previously underutilized land into a long-term local revenue stream (lease/tax) and supports regional construction and ongoing O&M jobs. With ~8.8 GWh/year of production—~975 homes' annual use—the project provides stable value to Xcel subscribers through bill credits under the CSG tariff while strengthening local grid reliability.

Social Benefits

As a Community Solar Garden, Waterville broadens access and equity by enabling residents and small businesses, especially those unable to host rooftop systems, to participate via subscription-based bill credits in Xcel's program. The visible conversion of an already-disturbed site into a renewable asset also promotes community engagement and energy literacy across Le Sueur County.

Environmental Benefits (Estimated)

At approximately 8.8 GWh/year, Waterville CSG helps avoid roughly 3,900 tCO₂e, save about 6.5 million liters of freshwater, and displace approximately 1,400 short tons of coal annually — roughly equivalent to removing around 850 cars from the road or planting about 57,000 trees (seedlings grown 10 years). By utilizing an already-impacted site and feeding power into Xcel's distribution network, the project supports Minnesota's long-term decarbonization strategy.

BOVIET SOLAR

Boviet Solar Technology Co., Ltd. is a leading solar technology company founded in 2013 in Vietnam, specializing in the manufacturing of high-performance monocrystalline PV cells and premium Gamma

Series™ monofacial and Vega Series™ bifacial PV modules. Our top-performing modules are engineered for a wide range of applications, including residential, commercial, industrial, community, and utility-scale solar projects.

Boviet Solar combines business acumen, financial strength, technological expertise, and manufacturing excellence to deliver reliable, high-efficiency solar solutions to industry clients worldwide. The company is deeply committed to sustainability, supply chain traceability, and compliance with international trade standards, while fostering long-term, trust-based partnerships across the global energy sector. Boviet Solar has earned industry-wide recognition for quality and reliability. The company has maintained a Tier 1 PV Module Manufacturer ranking by Bloomberg New Energy Finance (BNEF) since 2017, has been recognized as one of the Top 10 Most Bankable Global PV Module Manufacturers by Wood Mackenzie, and is ranked among the Top 10 Most Financially Reliable PV Module Manufacturers by Sinovoltaics. Boviet Solar's modules have also been consistently rated as Top Performers in Kiwa PVEL's PV Module Reliability Scorecard since 2019.

Headquartered in Vietnam, Boviet Solar operates manufacturing facilities in both Vietnam and the United States, with an annual production capacity of 3.0 GW for PV cells and modules. The company also maintains regional operations in the United States, Germany, and other key international markets. To learn more, visit www.bovietsolar.com.