



DOROTHY J MARTINEZ ELEMENTARY SCHOOL

Project Highlights

- **Project Name:** Dorothy J. Martinez Elementary School
- **Project Type:** K-12 Education Solar | Rooftop System
- **Project Location:** Little Elm, Texas, USA
- **Project Size:** 380.48 kW DC
- **Project Completion Date:** June 2023
- **PV Module Supplier:** Boviét Solar
- **Project Installer:** Axium Solar
- **Project Owner:** Little Elm Independent School District

Little Elm Independent School District

The Little Elm Independent School District (LEISD) serves one of the fastest-growing communities in the Dallas–Fort Worth metroplex, educating thousands of students across multiple campuses. The district is deeply committed to academic excellence, fiscal responsibility, and environmental sustainability. Through strategic investments in renewable energy, LEISD is reducing operational costs while providing hands-on STEM learning opportunities for students and advancing sustainability goals for the entire community.

Project Overview

The Dorothy J. Martinez Elementary School Solar Project is a 380.48 kW DC rooftop solar installation designed and built by Axiom Solar using Boviet Solar’s top-performing PV modules. The system supplies clean, reliable electricity directly to the school’s facilities, offsetting a substantial portion of the building’s energy consumption and reducing utility costs for the district.

Generating approximately 565 MWh (565,000 kWh) of renewable power annually, the project enhances budget stability, supports educational sustainability programs, and demonstrates the district’s leadership in clean-energy adoption. Economically, it provides long-term savings and energy-price predictability. Socially, it strengthens community pride and enriches student learning through real-time solar-monitoring tools. Environmentally, it prevents about 225 metric tons of CO₂ emissions per year, equivalent to planting 10,300 trees, saving 80,000 gallons of water, or eliminating 240 short tons of coal annually.

Economic Benefits

Producing around 565 MWh of renewable electricity each year, the rooftop solar system offsets a significant share of the campus’ energy demand, reducing electricity costs and shielding LEISD from future rate increases. The project was delivered by Axiom Solar, supporting local engineering and electrical trades throughout construction. Over its 25-year lifespan, the installation will generate millions of kilowatt-hours of clean power and deliver strong ROI through long-term energy savings.

Social Benefits

This project showcases the district’s commitment to education, sustainability, and community engagement. The installation provides an interactive platform for students to learn about solar energy, climate change, and engineering principles, linking STEM education with real-world renewable applications. The project also demonstrates LEISD’s leadership in environmental responsibility and supports regional workforce development within Texas’s clean-energy industry.

Environmental Benefits (Estimated)

By generating approximately 565 MWh of clean energy annually, the system avoids roughly 225 metric tons of CO₂ emissions each year, equivalent to planting 10,300 trees, saving 80,000 gallons of water, or eliminating 240 short tons of coal. Over its 25-year lifetime, the system will prevent more than 5,600 metric tons of CO₂, supporting Texas’s renewable-energy targets and creating a cleaner learning environment for students.

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.