EISENHOWER PUMP

Project Highlights

- Project Name: Eisenhower Pump /City of Tucson
- Project Type: Carport Solar System
- Project Location: Tucson, Arizona, USA
- Project Size: 343 Kw DC
- Project Completion Date: June 2023
- PV Module Supplier: Boviet Solar
- Project Installer/Developer: Solon Corp.
- Project Owner: City of Tucson

City of Tucson

The City of Tucson, Arizona, is nationally recognized for its commitment to environmental sustainability, climate resilience, and renewable-energy leadership. Through the City's Sustainability and Resilience Plan, Tucson has made substantial investments in solar energy to power municipal facilities, reduce greenhouse gas emissions, and lower long-term energy costs for taxpayers. The Eisenhower Pump solar installation exemplifies Tucson's forward-thinking approach to integrating renewable energy into essential public infrastructure.

Project Overview

The Eisenhower Pump Solar Project is a 343 kW DC carport-style solar installation developed and constructed by Solon Corporation and powered by Boviet Solar's top-performing PV modules. Located at one of Tucson's key municipal water-pumping facilities, the system provides clean, on-site electricity directly to support the City's water distribution operations.

The project generates approximately 520 MWh (520,000 kWh) of renewable energy annually, significantly reducing grid dependency and stabilizing operating costs. Economically, it offsets utility expenses and provides long-term savings for the City of Tucson. Socially, the project supports Arizona's clean-energy workforce and strengthens public confidence in sustainable governance. Environmentally, it avoids an estimated 200 metric tons of CO_2 emissions per year, equivalent to planting 9,200 trees, saving 70,000 gallons of water, or eliminating 215 short tons of coal annually.

Economic Benefits

By producing around 520 MWh of clean electricity annually, the Eisenhower Pump Solar Project offsets a substantial portion of the facility's energy use. The system lowers annual electricity costs, helps insulate the City's budget from rising utility rates, and provides predictable energy expenses for decades. Designed and installed by Solon Corporation, the project created local engineering, fabrication, and electrical jobs, contributing to Southern Arizona's clean-energy economy.

Social Benefits

This project underscores the City of Tucson's leadership in sustainable municipal operations. Through collaboration with Solon Corporation, the initiative supported Arizona's growing renewable-energy workforce and demonstrated how public infrastructure can effectively transition to cleaner energy sources. The solar carport also enhances the facility site by providing shade and heat relief—improving working conditions for staff while serving as a visible community symbol of progress toward Tucson's climate goals.

Environmental Benefits (Estimated)

Generating approximately 520 MWh of renewable electricity each year, the system avoids roughly 200 metric tons of CO_2 emissions annually, equivalent to planting 9,200 trees, saving 70,000 gallons of water, or displacing 215 short tons of coal. Over its 25-year operational lifespan, the project will prevent more than 5,000 metric tons of CO_2 emissions, contributing directly to Tucson's municipal decarbonization and air-quality improvement targets.

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.