

ESCONDIDO UNION SCHOOL DISTRICT, ESCONDIDO, CA

## Energy & Infrastructure Improvement Project

### Project Description

The Escondido Union School District serves 17,000+ elementary and middle school students in Escondido, California. Willdan has been working with the District as an energy partner since 2018, helping them improve their facilities, save energy, and reduce operational costs.

Willdan's energy master planning approach for this project included multiple phases. For Phase 1, Willdan was selected to develop solar parking canopies at several of the District's sites. For Phase 2, Willdan worked with the District to develop and implement additional renewable and energy efficiency upgrades. These energy and infrastructure improvements will help the District meet state-mandated electric vehicle (EV) goals, avoid additional costs from energy rate increases by installing solar infrastructure, reduce baseline energy consumption through energy efficiency, and cut maintenance costs at the District office.

Willdan also assisted the District in securing a low-interest, tax-exempt lease purchase through Bank of America and \$1.8M in funding from California's School Energy Efficiency Stimulus Program (CalSHAPE).


### Highlighted Results | This project will:

- Provide 2,745,990 kWh in annual savings
- Generate over \$44.5M in energy cost savings in Phase 2
- Offset 2,703 metric tons of CO2 annually: equivalent to removing 582 gas-powered cars from roadways
- 1.8 MW solar carport canopies

### Technology

- 1.8MW of Solar PV shade structures
- 46 Level-2 EV chargers
- Transformer upgrades
- Lighting and plug load controls
- Chiller plant upgrades
- CO2 sensors

### Contract Value:

 \$19.4 Million

### Phase 2 Featured Solutions

- Energy Efficiency
- Energy Planning
- Engineering Analysis and Design
- Construction Management