

SOLAR PARK & RECREATION LIGHTING

Improves safety and protects nature in
Jurupa Valley, California

LEADSUN
Limitless Light. Beyond the Grid.



Project Snapshot



Location

Jurupa Valley, CA



Application

Park pathway, picnic area,
and basketball court



Systems Installed

30 LeadSun solar
lighting systems



Technology

AE3 + AE6 All-In-One
solar lighting

Project Implementation

Leadsun Solution

LeadSun delivered a decentralized solar lighting solution for Horseshoe Lake Park, a 15-acre Jurupa Valley site built around a protected wetland with no existing electrical infrastructure. The Jurupa Area Recreation and Park District set out to create a fully off-grid park, where traditional lighting would have required costly trenching and cabling while disturbing the sensitive lake environment. Thirty AE3 and AE6 All-In-One systems were installed across the pathway, picnic area, and basketball court, each integrating the solar panel, battery storage, controller, and LED fixture into a single pole-mounted unit. The All-In-One design, with no separate, exposed photovoltaic panel, also reduced vulnerability to vandalism, a priority for the district. EZYFoot mounting accelerated deployment with minimal disturbance. The result is reliable, grid-independent illumination that met the district's sustainability goal while improving visitor safety.

Project Impact

- ✓ Improved nighttime safety across an award-winning 15-acre park
- ✓ Protected a sensitive wetland with minimal site disturbance
- ✓ All-In-One design reduced vulnerability to vandalism
- ✓ Rapid installation without trenching or cabling
- ✓ Reliable grid-independent operation aligned with off-grid park goal

System Performance

Adaptive Output Control: Systems run at 30% baseline, ramping to 100% on motion detection, maximizing battery life while limiting disturbance to wetland wildlife.

Vandal-Resistant Design: All-In-One architecture integrates the panel into the fixture head, removing the exposed, separately mounted panel that the district found attractive to vandals.

Trench-Free Installation: Eleven systems installed without disturbing existing water lines, avoiding the hundreds of thousands of dollars grid conduit and foundations would have cost.