

SOLAR PARK & RECREATION LIGHTING

Improves safety and visibility in
Perris, California

LEADSUN
Limitless Light. Beyond the Grid.



Project Snapshot



Location
Perris, CA



Application
Multi-use recreational park
pathway and area lighting



Systems Installed
51 LeadSun solar
lighting systems



Technology
AE3 + AE6 Split
integrated solar lighting

Project Implementation

Leadsun Solution

LeadSun delivered a decentralized solar lighting solution for Enchanted Hill Park, a 22-acre site the City of Perris reclaimed from illegal dumping and crime into Riverside County's first SITES-certified park. The site's rocky soil, riddled with exposed bedrock and large boulders, made conventional trenching for grid power slow, costly, and disruptive. Fifty-one AE-series Split systems were deployed across pathways and recreation areas, each integrating the solar panel, battery storage, controller, and LED fixture into a single pole-mounted unit. This architecture eliminated trenching and cabling entirely, enabling plug-and-play installation that bypassed the bedrock problem. Adaptive motion-based output extends battery life while maintaining security illumination. Designed and installed on budget and schedule during the height of COVID-19, the system delivered the clear sight lines local law enforcement recommended.

Project Impact

- ✓ Transformed 22 acres of derelict land into recreational space
- ✓ Improved nighttime safety with clear sight lines and lighting
- ✓ Supported crime prevention on a former high-crime site
- ✓ Rapid installation across rocky, bedrock-laden terrain
- ✓ Reliable grid-independent operation supporting SITES certification

System Performance

Zoned Adaptive Output: Pathways run 25% from dusk, ramping to 100% on motion for 3 hours; gathering areas hold 100% for 3 hours at dusk.

Bedrock-Free Installation: Anchorbolt mounting eliminated trenching across rocky, boulder-laden terrain where conventional grid cabling was slow and prohibitively costly.

Certified Sustainability: Grid-independent operation supported Riverside County's first SITES-certified park, delivering long-term cost savings and favorable return on investment.