

SOLAR STREET LIGHTING

Improves safety in Cordova Meadows,
Rancho Cordova, California

LEADSUN

Limitless Light. Beyond the Grid.



Project Snapshot



Location

Rancho Cordova, CA



Systems Installed

44 LeadSun solar
street lights



Application

Residential neighborhood
street lighting



Technology

Integrated solar engine
with LED fixture

Project Impact

- ✓ Improved nighttime visibility for pedestrians and drivers
- ✓ Upgraded to solar while matching existing city pole design
- ✓ Installed without trenching or underground wiring
- ✓ Autonomous operation supporting the city's sustainability goals
- ✓ Low-maintenance system built for long-term performance

Project Implementation

Leadsun Solution

LeadSun delivered a decentralized solar lighting solution for the City of Rancho Cordova, upgrading nighttime lighting in the Cordova Meadows residential neighborhood near River Bend Park without extending grid power to the area. A key requirement was visual consistency: the systems mounted on the city's existing pole style, letting Rancho Cordova transition to solar while preserving the familiar look of its municipal lighting network. Forty-four solar street lighting systems were deployed, each integrating the solar panel, battery, controller, and LED fixture into a single compact unit with advanced battery management. Because the systems operate independently of the electrical grid, installation required no trenching or underground wiring, moving the project forward quickly while minimizing neighborhood disruption. The result is a durable, low-maintenance lighting network that improves safety and supports the city's long-term sustainability initiatives.

System Performance

Pole-Compatible Retrofit: Systems mounted on the city's existing pole design, preserving visual consistency across the municipal network for aesthetics and simplified long-term maintenance.

Grid-Independent Installation: Autonomous operation with onboard battery management eliminated trenching and underground wiring, avoiding the cost and disruption of extending grid power.

Neighborhood-Scale Deployment: Forty-four systems installed across a residential community, demonstrating solar street lighting as a scalable alternative to grid infrastructure.