

VIRGINIA WATERFRONT TRAIL

Safe, Sustainable Solar Lighting for a Multi-Use Trail

PROJECT OVERVIEW

SolarPath designed and supplied **42 autonomous solar lighting systems** for a scenic multi-use trail along the waterfront in Virginia.

The project delivers reliable, off-grid lighting that enhances safety and visibility for pedestrians, runners, and cyclists while preserving the natural beauty of the area and eliminating the need for traditional utility infrastructure.

PROJECT SNAPSHOT



LOCATION
Virginia, USA



APPLICATION
Multi-Use Trail



MARKET
Parks & Recreation



PRODUCT
Solar Area Lighting



POWER SOURCE
Off-Grid Solar



SYSTEMS INSTALLED
42 Systems



COMPLETION
May 2025

THE CHALLENGE

- Provide safe and consistent lighting for a waterfront trail used by pedestrians and cyclists.
- Avoid the high cost and environmental impact of trenching and utility connections.
- Deliver a solution with low maintenance requirements and long-term reliability.
- Preserve the natural landscape and scenic character of the trail.

THE SOLUTION

SolarPath deployed autonomous off-grid solar lighting systems strategically along the trail.

Each system combines high-efficiency LED luminaires, integrated battery storage, and solar power generation to provide reliable illumination all night long.

The systems were engineered for durability and optimal performance with minimal maintenance requirements.

PROJECT GALLERY



RESULTS



Enhanced safety and visibility for trail users



Improved nighttime access and user experience



No utility power



Reduced infrastructure and operational costs



Sustainable, clean energy solution



Reliable year-round performance