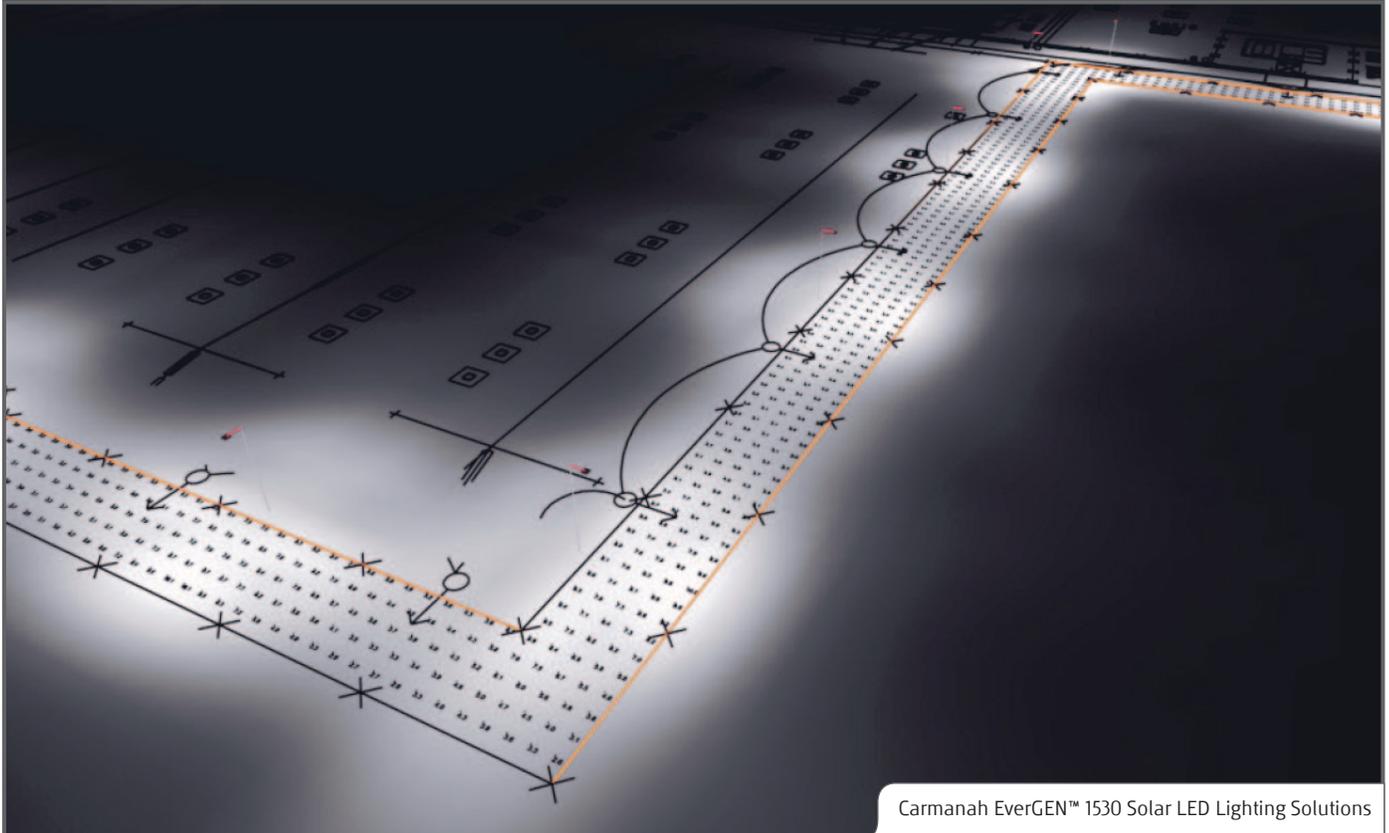


Perimeter Fence Lighting Power Generating Station Gains Security with Solar



Carmanah EverGEN™ 1530 Solar LED Lighting Solutions

Project Summary

End User:

Power Generating Station in Southwest US

Lighting Agent:

R.C. Lurie Company (Lighting Design)

Project Scope:

Independently powered (solar) lighting systems for perimeter fencing surrounding a power generating station located in the Southwest US

Product:

Carmanah EverGEN™ 1530 solar LED lights

Other Benefits:

- Approximately \$2 million (USD) saved in installation costs as a result of choosing solar over hardwired systems
- Freedom from fluctuations in grid power
- Green renewable technology

Project Specification:

- 100 systems: Type V distribution – 5920 lumens
- Mounting height: 30 ft.
- Minimum: 0.3 fc

Operating Profile:

Dusk to dawn

Power Generating Station Perimeter Fence Lighting - Continued...

Have you considered solar?

When a power-generating station in the Southwest US was looking to illuminate their 1,000m long perimeter fence with outdoor lighting systems, a solar-based lighting solution wasn't top of mind.

Despite the abundance of electricity on the grounds, and the seemingly infinite selection of hardwired lighting systems in a variety of fixtures, colours and flavours, the power-generating station required a lighting system that could function in complete *isolation* from the grid.

Power stations throughout the US face a similar security mandate that requires facilities to ensure their emergency systems – including outdoor lighting – can operate even in the unlikely event of power failure. Perimeter fence lighting is one of these emergency systems.

With the requirement to provide perimeter lighting impervious to fluctuations in grid-based power, the facility was forced to either find generators that could power the lights independently, or source lighting systems that were capable of generating their own power.

Enter the Carmanah EverGEN 1530.

The stand-alone EverGEN 1530 solar LED light is designed specifically for industrial-scale applications such as parking lot and perimeter lighting. Featuring the LEDway™ LED lighting fixture by BetaLED™, the EverGEN 1530 solar-powered lights deliver high performance and uniform distribution,

and operate in accordance with Illuminating Engineering Society of North America (IESNA) guidelines.

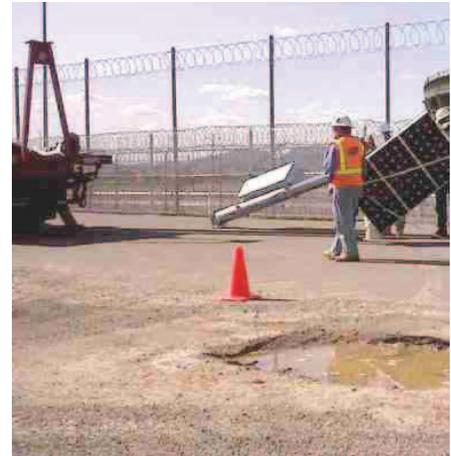
In their decision to go solar, economics also had a significant role to play. Including time and installation costs, the utility company anticipated it saved an estimated \$2 million (USD) by choosing to go solar.

"In the event of a power failure, emergency systems – such as the EverGEN – will continue to function," comments the Communications Director for the facility. "The solar LED perimeter lights ensure continuity of service and security, without having to run backup power generators or rely solely on grid-based power. This independence in one package is a big benefit."

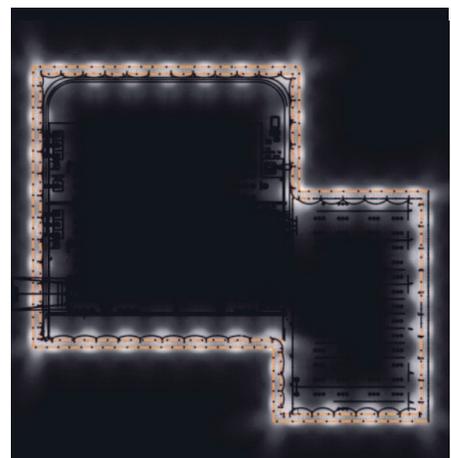
No surprise then, that multiple power-generating stations across the US have purchased solar LED outdoor lighting systems from Carmanah Technologies within the past year.

Security requirements aside, the new EverGEN solar lights also help underscore the power company's commitment to renewable energies and sustainable business practices while presenting an economical alternative to traditional grid-powered lighting systems.

For more information on: Carmanah Technologies, please visit: www.carmanah.com
R.C. Lurie Company - Phoenix please visit: www.rclurie.com



Including time and installation, one anticipates a total savings of \$2 million (USD) in choosing to go solar versus choosing a hardwired alternative.



Carmanah EverGEN solar LED lighting was chosen to provide security lighting along the perimeter fence of a large power generating facility.

