

SiteGuard® Solar PV System Operations and Maintenance

February 2011 Site Quality Benchmarking Update

Benefits

- Benchmark your installations
- Simplify PV system preventive maintenance—save time, save money, and improve operational efficiency
- Lower the levelized cost of energy (LCOE) for your PV system
- Rely on someone you can trust

Features

- Single source for PM
- Fully insured organization
- Dependable, proven, world-class service organization
- Long-term contracts available

Advanced Energy Global Services offers SiteGuard® service to help you lower the levelized cost of energy (LCOE) and simplify operations and maintenance (O&M) for your entire PV system site. You can rely on just one source to simplify your site maintenance—saving you time, money, and the inconveniences and inefficiencies of working with multiple service providers. Available in most regions worldwide, our service covers everything from your inverters to PV modules, electrical systems, tracking systems, and more. A comprehensive SiteGuard report details the findings for the site, including non-conformances that need to be addressed to ensure the lowest LCOE. Regularly published benchmarking updates highlight lessons learned at other sites AE has under contract.

Benchmark Your Installations

AE identifies various types of performance, safety, and system integrity issues when performing SiteGuard® O&M services. Our more comprehensive O&M contracts enable AE to resolve many of these issues as we find them. For sites that are covered with our robust PM programs, we include detailed non-conformance data in comprehensive SiteGuard reports. The chart below summarizes the breakdown of non-conformances we have identified at SiteGuard-contracted sites.

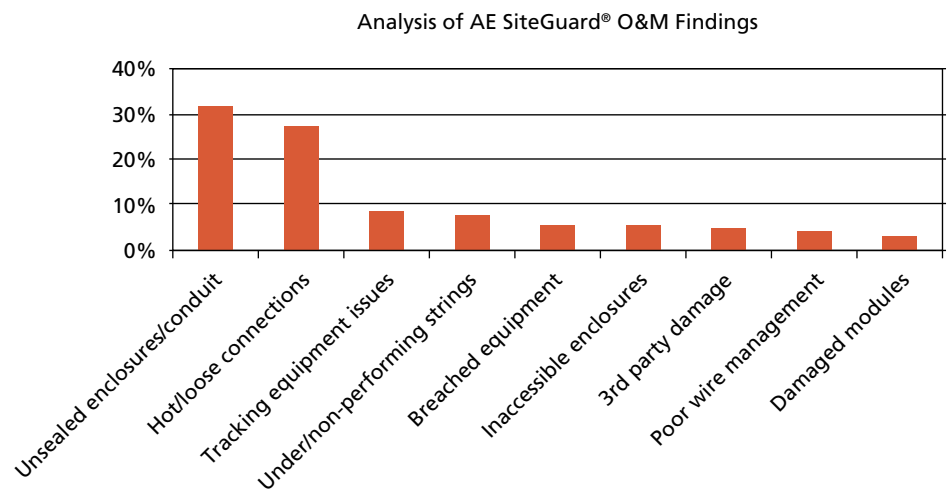


Figure 1. Benchmark your installations and inform your team of the most common site problems and failures. AE SiteGuard® service can help you prevent similar occurrences, prevent system downtime, and ultimately lower your LCOE.

Cover All Sites, Regardless of Inverter Manufacturer

Rely on AE to simplify O&M and manage your entire PV site maintenance, regardless of the manufacturer of the inverters on site. AE diligently performs service on non-AE inverters in accordance with published manuals to ensure the long life and performance of the inverters with no impact to the warranty. When reviewing our install base for this update, we validated that a majority of the sites that we have under contract do not have an AE inverter, demonstrating the confidence PV solar site owners and operators have in AE's reliability and performance.

Breakdown of SiteGuard® Sites by Inverter Manufacturer

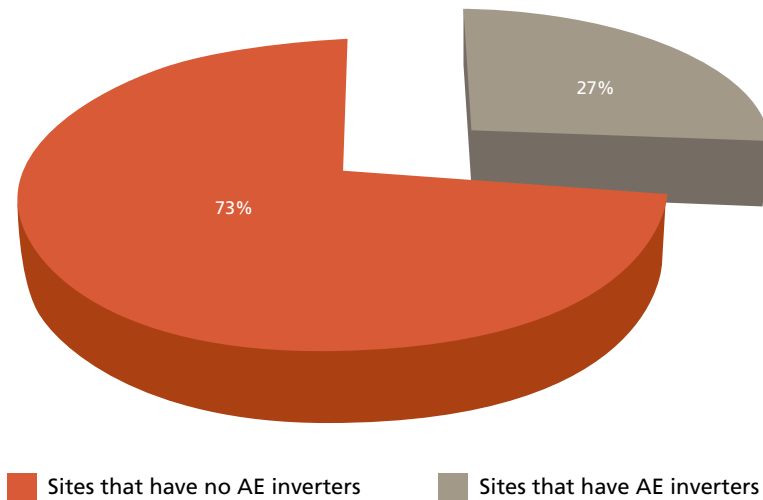


Figure 2. Over two-thirds of the sites that we have under SiteGuard contract do not have an AE inverter.

Simplify O&M for Your Entire PV System. Choose AE.

Maximize uptime and power generation, and prevent unanticipated issues from impacting production. Only AE combines innovative technologies, advanced lifetime service solutions, and long-established direct support throughout the world to maximize uptime, increase yield, and optimize productivity.

To learn how we can support your specific project, or to review the SiteGuard program's standard scope of work, contact your account manager, authorized AE representative, or technical support representative at Technical.Support@aei.com.

Specifications are subject to change without notice.



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