SES Stirling Energy Systems

Tessera Solar™
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Maricopa Solar Newsletter | Issue One - 9.16.09

Welcome to our inaugural issue of a newsletter to chronicle the construction of Stirling Energy Systems/Tessera Solar's Maricopa project currently under construction in Peoria, Arizona, just outside of Phoenix.

Maricopa Solar is our first on-grid commercial power plant with partner Salt River Project (SRP). At 1.5 mega-watts (60 SunCatcher dishes) it is much smaller than our typical plant, but nearly everything about Maricopa is identical to the standard plant design we will be deploying in some of the world's largest solar energy projects beginning next year.

Newsletters will be published every two weeks between now and early December. We hope you will find this pictorial update both interesting and informative.

Best Regards,
Bob Lukefahr, CEO Tessera Solar North America
Steve Cowman, CEO Stirling Energy Systems

An alfalfa field next to a power plant is the ideal site.

SunCatcher pedestals arrive 10 at a time. A simple straight-pipe design reduces cost and complexity.

A low-amplitude vibratory pile driver sinks each pedestal 18 feet into the ground. No excavation is required, no grading is necessary and no concrete is poured. This will make remediation simple and fast when, decades in the future, it is time to decommission.

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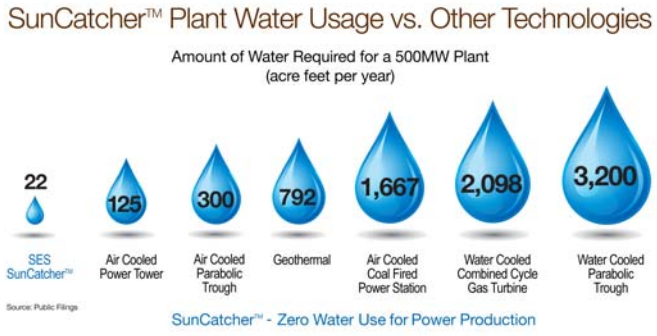
In less than 5 minutes, the SunCatcher pedestal is in place and the crew is moving on to the next pedestal location. Maricopa Solar will have 60 SunCatchers installed.

It is early on day five and the hub and boom assemblies begin arriving on site.

Five days after groundbreaking and more than half of the pedestals are already installed. Trenching for the collection system is about to begin...

SunCatcher™ Water Facts

- ★ No water used by the SunCatcher to generate power
- ★ Only water the solar power plants use is for washing the dish mirrors and for on-site personnel
- ★ Lowest water use of any thermal electric generating technologies



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