



## Jersey tessera solar and stirling energy systems

Tessera Solar will continue to deploy its SunCatcher(TM) -- a solar power system that uses a Stirling engine to convert the sun's heat to electricity -- for large-scale projects. Later this year, Stirling and Tessera Solar expect to begin construction on three large SunCatcher power projects, totaling over 1,600 megawatts, in Texas and California.

The company said that the modular concentrating solar-thermal power (CSP) SunCatcher system uses precision mirrors attached to a parabolic dish to concentrate the sun's energy onto a stirling. NS Energy is using cookies. We use them to give you the best experience. If you continue using our website, we'll assume that you are happy to receive ...

Tessera announced Monday that it would build a 27-megawatt solar farm in west Texas and sell the electricity to CPS Energy via a 20-year agreement. The project would make use of 1,080 SunCatchers.

First, the news: Tessera/Stirling sold its 850-megawatt Calico project to a small developer named K Road Power. For the full press release, see here. Just a couple months ago, it seemed that ...

In December 2008, Stirling Energy Systems Solar Six, LLC and Stirling Energy Systems Solar Three, LLC filed an AFC with the Energy Commission to construct and operate the Solar One Project, described as a 850 megawatt (MW) capacity solar power plant to be constructed in San Bernardino County, California. (Exs. 1, p. 1-2; 10, p. 4.) The proposed ...

Solar plant developer Tessera Solar installed 60 solar collectors, called the SunCatcher from Stirling Energy Systems, in Peoria, Ariz. Each dish is rated at 25 kilowatts and the entire facility will have a capacity of 1.5-megawatts of generation.

Bob Lukefahr is responsible for all aspects of the North American development business which develops, owns and operates grid-scale solar facilities using Stirling Energy Systems (SES) groundbreaking SunCatcher(TM) Power System. Prior to joining Tessera Solar, Bob was President of BP Global Wind Energy / BP Power Americas.

Tessera Solar (Houston) is constructing two pilot solar dish farms using collectors manufactured by Stirling Energy Systems (SES, Scottsdale, Calif.). The first is a 1,600-megawatt facility for the San Diego California Gas and ...

Stirling Energy Systems (SES) and Tessera Solar unveiled last week four newly designed solar power collection dishes at Sandia's National Solar Thermal Test Facility (NSTTF). Called SunCatchers(TM), the



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new dishes have a refined design that will be used in commercial-scale deployments of the units beginning in 2010. "The four new dishes are the next ...

Developer Tessera Solar has created a 1.5 megawatt power plant out of 60 SunCatcher solar thermal devices from Stirling Energy Systems. Later this year, Stirling will go into volume production ...

The SunCatcher solar thermal system, developed by Tessera Solar and built by Stirling Energy Systems at the Sandia National Laboratories' National Solar Thermal Test Facility, captures solar energy at 31.25 percent efficiency, the highest ever achieved by this technology.

Designed and manufactured by SES, the innovative and highly-efficient SunCatcher system used in the Maricopa Solar CSP plant is a 25-kilowatt solar power system which uses a 38-foot, mirrored parabolic dish combined with an automatic tracking system to collect and focus the sun's energy onto a Stirling engine to convert the solar thermal ...

Stirling Energy Systems (SES) ... About a year ago, Tessera Solar, the dedicated development arm for SES, had two massive projects -- each with PPAs signed by major California utilities. The ...

Solar-Stirling-Dish von SES. Das Unternehmen SES wurde 1996 gegründet. Im selben Jahre erwarb SES die Patentrechte am sogenannten SunCatcher (englisch für Sonnenfänger), einem 1984 von McDonnell Douglas und Kockums entwickelten Solar-Stirling. In der Folge entwickelte SES den SunCatcher in Zusammenarbeit mit Boeing, die McDonnell Douglas übernommen ...

It was officially inaugurated in January 2010. It is the first utility-scale commercial solar plant operating in the US. The plant is owned and operated by Texas-based Tessera Solar and Arizona-based Stirling Energy Systems (SES). Ireland-based infrastructure and energy company NTR is the majority shareholder of Tessera Solar and SES.

In the California desert, Stirling technology has been placed on hold. NTR -- an Irish conglomerate that owns Stirling Energy Systems and Tessera Solar -- has decided to hold off on the two solar ...

Download scientific diagram | Ripasso Energy's Dish Stirling Hybrid modules are rated at 33 kW each and have a solar-to-electric conversion of 32% [15]. As far as large scale CSP dish-Stirling ...

Those of us who have tracked solar energy innovations for several decades will likely have heard about Stirling engines. This sealed "heat engine" technology has been around a long time--since 1816, in fact--when it ...

The modular CSP SunCatcher uses precision mirrors attached to a parabolic dish to focus the sun's rays onto a receiver, which transmits the heat to a Stirling engine. The engine is a sealed system filled with hydrogen.



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(Tessera Solar August 2009 Press Release) Stirling Energy Systems (SES) is the global supplier of the SunCatcher(TM) solar dish engine system. The company is located in Scottsdale, Arizona, and has test dishes Sandia National Laboratories in New Mexico.

Tessera Solar North America Inc.'s parent company, NTR Plc announced Feb. 17 that it reached an agreement to sell off the 709-megawatt (MW) Imperial Valley Solar Project in California to AES Solar. It's the latest blow to Tessera Solar's and Stirling Energy Systems' plans to build large-scale solar projects in California and elsewhere ...

NTR wrote down some \$201M in losses total between Stirling and Tessera; the California Energy Commission terminated licensing for construction on the Imperial Valley Solar project in August (shortly after San Diego Gas & Electric killed their power-purchase agreement); and the Stirling Energy Chapter 7 bankruptcy protection filing of Sept. 23 - after the ...

Tessera Solar, the sister company to Stirling Energy Systems, has won a bid to develop up to 500 megawatts of solar thermal power plants on land owned by Riverside County in California.

Tessera Solar and Salt River Project (SRP) have confirmed plans to partner on a 1.5-megawatt (MW) solar project. The Maricopa Solar project, located in Peoria, Arizona, will ...

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