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The concentrating solar power (CSP) team funds systems analysis within the industry, national laboratories, and universities to aide in the achievement of the technical and economic targets for the components of the different system configurations of CSP; namely parabolic trough, linear Fresnel, power tower, and dish engine. These analyses evaluate and validate the cost, performance, and durability of CSP technologies in order to promote deployment of CSP systems in low-cost configurations ...

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Goal: Cut the delivered, life-cycle energy cost of solar water heating systems in half by the year 2005.

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Heating water using solar thermal energy. Solar water heating systems use panels connected to a domestic hot water system to reduce or eliminate the need for the boiler to run in warmer or sunnier weather. In most cases, solar panels cannot be used with combi boilers, as they require a special hot water tank with a second heat exchanger loop ...

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