



ausra™

KIMBERLINA AT A GLANCE

ENTERED CONSTRUCTION: March 2008

CONSTRUCTION JOBS: 150 (peak)

OPERATIONS JOBS: 7

THE AUSRA™ ADVANTAGE

COST-EFFECTIVE STEAM

- Most land-efficient solar technology
- Eliminates fuel and pollution cost risks
- On-peak energy delivery

RELIABLE AND ROBUST

- Commercially proven technology
- Low wind profile
- Steel-backed mirrors for long life
- Suitable for demineralized or produced water operation

RAPID DEPLOYMENT AND INSTALLATION

- High-volume, automated production and standard materials eliminate supply chain constraints
- Rapid solar field installation (6-18 months)

APPLICATION AREAS

- Power generation
- Petrochemical refining and processing
- Enhanced oil recovery
- Natural gas displacement
- Food and chemical processing
- Pulp and paper manufacturing

For More Information:

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THE KIMBERLINA SOLAR THERMAL ENERGY PLANT



Located in Bakersfield, CA, Ausra's state-of-the-art Kimberlina Solar Thermal Energy Plant is the first of its kind in North America, and proof that Ausra's solar thermal technology is real and that it works – now. We're ready to power our customers and provide industrial steam for businesses working to cut energy costs with pollution-free technology.

The Kimberlina plant also represents the first solar thermal project to enter operation in California in nearly 20 years. It showcases Ausra's technology that is already operating at the company's Liddell solar thermal facility in New South Wales, Australia.

The rows of mirrors at Kimberlina were manufactured at Ausra's solar thermal power factory in Las Vegas, Nevada. These solar thermal collector lines will generate up to 25 megawatts of thermal energy (MWT) to drive a steam turbine at the adjacent Clean Energy Systems power plant. At full output, the Kimberlina facility will produce enough solar steam to generate 5 megawatts (MW) of clean, reliable electricity—enough electricity to light up 3,500 central Californian households.

CLEAN, RELIABLE, COST-COMPETITIVE ENERGY

Ausra's Compact Linear Fresnel Reflector solar collectors boil water with concentrated sunshine. Mirrors track the sun, reflecting solar heat onto boiler tubes to produce steam without the costs and pollution of fossil-fired boilers. Direct steam generation makes integration into existing systems simple, either as retrofits or new designs. The result is a system that produces steam and electricity directly from the sun, at competitive prices.

AUSRA – YOUR LOW-COST ENERGY SOLUTION

Ausra delivers energy from the sun. The company provides solar thermal energy systems for industrial processes and utility-scale electricity generation. The company is a leader in solar thermal energy design, development and manufacturing. Ausra is committed to serving the global energy needs of customers in a dependable, market-competitive and environmentally responsible manner. Headquartered in Mountain View, Calif., Ausra is a privately held company with operations in the United States and Australia. To learn more about Ausra and solar thermal power, visit www.ausra.com.