

FOR IMMEDIATE RELEASE:

BUSHMAN EQUIPMENT LIFTING TONG DESIGN FOR MIRRORS REFLECTS INNOVATIVE ENGINEERING CAPABILITY

Butler, WI (November 14, 2012)—Bushman Equipment, a manufacturer of custom-engineered material handling solutions, has delivered 33 special below-the-hook lifting devices to BrightSource Energy LLC. The Oakland, CA-based company is a global leader in solar thermal power plant technology.

The Bushman lifters, delivered to the Ivanpah Solar-Electric Generating System in the Mojave Desert near Nipton, California, are being used to manufacture and install over 173,500 heliostat reflectors onto pylons placed into the desert floor. The mirrors are arranged in a circular array so that they can track the sun and reflect its rays to a central boiler tower. The boiler in turn generates steam that runs a turbine generator that will produce 377 MW of electricity—enough to power 140,000 homes for a year.

Bushman president Pete Kerrick said the reflectors presented several engineering challenges. “We are lifting and maneuvering essentially a glass mirror in a desert environment. Operator safety is job #1”.

Bushman designed the reflector lifting tongs with a special locking device that prevents the tong from opening until the reflector is securely set in its pylon and then disengaged by the operator.

In addition to the reflector lifters, Bushman provided other lifting devices designed for specific processes within the on-site assembly factory.

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Bushman Equipment Inc. designs and manufactures a wide ranging portfolio of material handling solutions in two product segments: 1) Below-the-Hook lifting attachments including C-Hooks, coil grabs, spreader beams, sheet & plate lifters, lifting tongs, rotating axis grabs and more; 2) Floor-Operated equipment including upenders, inverters, lift tables, mold & die carts, transfer cars and more. Founded in 1950, the company is located in Butler, WI, just outside Milwaukee and has 40 employees, including 20 skilled craftsmen and 9 engineers.

FOR MORE INFORMATION: Contact Pete Kerrick, President, at 800-338-7810 or pete.kerrick@bushman.com www.bushman.com



Bushman Heliostat Reflector Lifter being used to set a reflector into its pylon at the Ivanpah Solar-Electric Generating System being constructed in Nipton, CA.