

Contact

Alison Mason, Director of Marketing
+1.303.330.0276
Alison.Mason@SkyFuel.com
www.SkyFuel.com

**PRESS RELEASE**

For Immediate Release

SkyFuel's Parabolic Trough Powers Thermal Desalination

Arvada, Colorado – January 22, 2014: SkyFuel's parabolic trough concentrating solar collector was installed in a trial of WaterFX's new Aqua4™ solar thermal desalination technology. The single collector, which is 6 meters wide and 115 meters long, produces up to 8 gallons per minute of fresh water and will be expanded to 50 SkyTrough collectors at the same location to produce 2,200 acre-feet per year. The system has been in operation at the Panoche Water District facility in Firebaugh, California for six months. The SkyTrough's excellent performance at converting solar radiation into heat has helped make the Aqua4™ the most efficient solar desalination system on the market.



SkyFuel's high performance, low cost SkyTrough® parabolic trough solar collector, supplying heat to WaterFX desalination system .

Aqua4™ uses the SkyTrough® to drive an absorption heat pump and multi-stage distillation system. Solar heat storage plus a propane heater ensure 24-hour/day operation. The design is modular and moveable, has a compact footprint, and can easily scale up or down. High efficiency thermal evaporation makes the system very robust and operates well with a variety of water streams including drainage water, wastewater, produced water and seawater. The Aqua4™ system will also reclaim extracted metals and salts, removing them from the water system entirely and eliminating brine discharge. It is capable of producing over 200 acre-feet of freshwater per acre of solar collection area.

SkyFuel's Chief Commercial Officer Kelly Beninga said, "The Panoche thermal desalination project is a perfect example of the variety of industrial applications for which SkyTrough provides an ideal solar heat solution." WaterFX's Chairman and founder, Aaron Mandell added, "Skyfuel's technology is a great fit with our system. There is a lot of potential to utilize solar thermal energy to generate new sources of water in the California market."

About SkyFuel

[SkyFuel](http://www.SkyFuel.com), Inc. designs and manufactures solar thermal power technology for utility-grade electricity generation and industrial applications. Its products include the high performance SkyTrough® parabolic trough

Contact

Alison Mason, Director of Marketing
+1.303.330.0276
Alison.Mason@SkyFuel.com
www.SkyFuel.com



concentrating solar collector - a breakthrough in cost and constructability resulting from significant design and material innovations. The high temperature, larger aperture SkyTrough®DSP is now available for applications requiring temperatures up to 550°C.

About WaterFX

[WaterFX](#) provides renewed access to freshwater through distributed generation. WaterFX's Aqua4™ is a cost-effective, modular system that uses solar thermal energy to recover water from a variety of sources for any use. Aqua4™ is a concentrated solar still that uses high-efficiency solar energy to produce 30 times more water than natural evaporation. This cuts water costs, improves reliability and ensures an abundant water supply.