

Date: December 16th, 2011

TO WHOM IT MAY CONCERN

The system installed is very unique in the PV-World. It consists of 60 Combined Heat and Power Module WIOSUN PV-Therm.

The innovative technology behind the Combination Module PV-Therm, a combination of photovoltaic and thermal power sets new standards in the Solar Module Technology for a clean electrical power and naturally heated domestic hot water supply. This unrivaled novelty of this innovative and exceptional module, the two, up till now separated elements, a thermal solar panel and a photovoltaic module are now incorporated into one device. In support with the Diehl Controls US Inverters 4301 S-A with a high overload capacity, the system counteracts the sharp fall of voltage and the significant loss of power of crystalline PV modules, when faced with high solar cell temperature, as we encounter here in El Paso nearly on a daily base.



Clean Power & Natural Heat provided by one module

*„The WIOSUN-PVT, a unique combination
of a PV-Module and a Solar Thermal Collector“*

High energy costs; scarce resources; climate change; many new challenges need answers. Protecting the global climate is one of the greatest challenges facing modern society. Climate change knows no boundaries and is sure to have a huge impact on future generations. This forces us to look for innovative new solutions – and implement them systematically and consistently.

One word in particular shapes this debate: **Sustainability.**

Solarzentrum North America appreciated that El Paso County has given us the opportunity to install this innovative products at the Downtown Detention Facility El Paso County.

System detail Information:

Total system size:	10.8 kW _{electric} 33.0 kW _{thermal}
Amount of installed modules:	60
Total Module Area:	660 ft ²
Old Thermal System dismantled:	January 2011
New system connected:	April 2011
Calculated kWh output for a PV System only:	17,900 kWh/Year _{electric}
Produced since May 2010:	13,000 kWh
Estimated kWh output for The installed CHP System in 12 Month:	+/- 22,000 kWh an increase of 27% in electrical output/year

Agreement for Interconnection and parallel Operation of Distributed Generation approved by El Paso Electric in November 2011.

Thanks again to El Paso County and El Paso Electric for spearheading forward in a new renewable technology.

Kind regards /Mit freundlichen Grüßen

Reinhard G. Peter
Chief Executive Officer



