

NEWS & ANNOUNCEMENTS – May 2011

Six Years and Counting – The Annapurna Center for Self-Healing in Port Townsend, WA is still self-generating electricity, with a Xantrex Sun-Tie Inverter, predating the GT Series introduced in 2007.



Left (2011) Right (2005)



At 370 Watts, our smallest grid-tied solar electric system

Our largest grid-tied system of 7.2 KW is located near our smallest (off-grid) system of 62 Watts in the Port Orchard area.

OES Founder visits the Wyandot Solar Farm – Jonathan Clemens made a winter trek to the 12MW Wyandot Solar Farm in Upper Sandusky, OH. Notable are the made in Ohio First Solar thin film PV panels and a lot of racking. About twenty per cent of the panels were covered by snow, not unusual for Ohio.



Acres of PV in background



Wyandot Solar Farm in Ohio

Xantrex GT Series Inverter RECALL – OES is in the middle of coordinating replacement of a half dozen GT units installed in 2007 – 2008, as part of a manufacturer voluntary recall. Let us know if we missed you.

Falls Creek Hydro Achieves 98% Operational Availability – Numerous upgrades and redesigns since 2005, when the OA was 0%, have led to a very reliable 40 KW hydropower system. The system is up and running 98% of the time, 24/7. 440 feet of Head and 880 gpm Flow produce 960 KWh per day all year. This past year, monitors have been added to inform (via prerecorded messages over the phone) the owner of utility outages (which shuts down the hydropower) and other outages, as say from a clogged intake (rare!). OES used the electronics design services of Robert Faass to develop custom monitors.



New intake (screen):



A custom system monitor developed by OES with an Auto Dialer

OES no longer offers free wind monitoring at client sites – Its own tower and Wind Odometer were struck by a pickup truck and is out of service. We can still procure and install wind monitoring equipment, such as APRS, for about \$1,500 installed, which allows an assessment of wind power potential at sites before investing in a wind power system.

OES is setting up local production of its Tensioned Cable System (TCS) – a system for mounting solar panels onto roofs or the ground, without penetrations or foundations!

Our new mounting system reduces system costs significantly. Given the financial incentives currently available (especially in Washington State), an investment in a grid-tied solar electric system returns cash into your pocket, particularly when comparing to money sitting in a bank account. **Energy Security** obtained with (Present Worth) cash as well!

Modest sized ground mounted grid-tied solar PV systems installed **on farms** fare the best for incorporating solar - as sort of a crop. System (collector) positioning can be optimized, while a suitable roof top is not required. Commercial PV systems do well because of the USDA REAP Grants that are available to businesses and **farmers**.

Previously reported in our March and April Newsletters – A CALL for Solar Pioneers

Olympic Energy Systems of Port Townsend is formally announcing its new system for mounting solar panels that promises low cost and high value with major progress towards true sustainability. The innovative system departs from the conventional to allow more local input into our energy future.



Roof Mount



Ground Mount

Tensioned Cable System for mounting solar panels [patent pending]

Roof Mount with no roof penetrations and **Ground Mount with no foundations**

A CALL FOR PIONEERS

We are looking for those who would be interested in going solar with home grown innovated technology, pioneers to spur us on to real sustainability and local job growth.

Those who implement our pre-production solar panel mounting systems will have a Special Discount installed system price, with the assurance that any improvements made by the time of full production (and a result of production processes still in work) will be retrofit Free Of Charge. Benefits accrue immediately, as hardware and installation costs are lower than any other approach available today. We develop systems with small arrays to multiple-string arrays from less than 1 KW to over 100 KW grid-tied.

Review our mounting kits summarized in our [TCS Brochure](#)

Visit our website for further information at www.olympicenergysystems.com

Olympic Energy Systems, Inc.

907 19th Street

Port Townsend, WA 98368

(360) 301-5133

OlympicEnergy@aol.com

