

HEADLINES

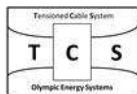
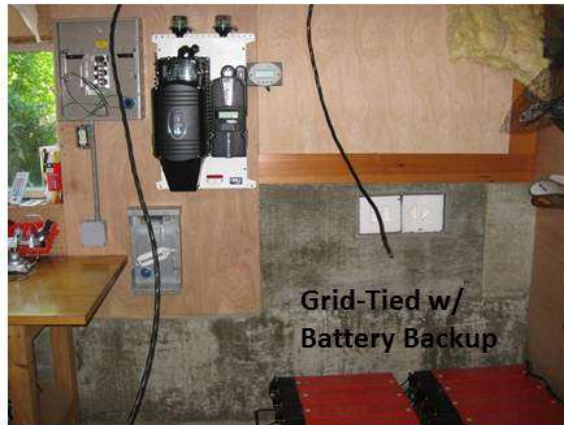
Tensioned Cable System R1 Universal Pivot Joint mounts to any gable end. G1 PV Hanger eases installation of panels onto suspended cables. A G1 system cost is half that of a same size pole mount. The TCS Manual has undergone an evolutionary minor update in August, though still a work in progress.

BPA announces wholesale electricity rate hike of 7.8% by October 1 (Clallam PUD to raise rates)
Ford plans to sell SunPower PV rooftop systems at Best Buy for charging the Focus EV
DOE launches new tools to accelerate adoption of Electric Vehicles

Product Highlight – Standalone EV charging station (Auxiliary Power System)

Editorial – Fact or Fiction

Tensioned Cable System



PV Hanger eases panel installation with the patent pending G1 system

Universal Pivot Joint for the R1 system

Olympic Energy Systems, Inc.

August 2011

You review and comment on our preliminary TCS Manual at http://www.olympicenergysystems.com/uploads/OES_TCS_Manual_Rev_NEW.pdf

You can view pictures from the field of detail aspects of the TCS at http://www.olympicenergynetwork.com/OES_News_Info.html

Our development is focusing on production of our baseline TCS kits, quality assurance, two-tier mounting ground units and KW scale Solar Farms. A reminder, small farms qualify for USDA grants, as well as the 30% Federal Tax Credit and production incentive payments (in Washington State).

Oregon has significant incentives, including a buy-down, worth \$1.25 to \$1.75 per watt, a renewable energy systems property tax exemption, and even a performance-based initiative (through 2015).

We remind people of the convenient summaries of available incentives by state at www.dsireusa.org.

BPA announces wholesale electricity rate hike of 7.8% by October 1 (Clallam PUD to raise rates)

Do not be alarmed. Over time, electricity rate hikes in the Pacific Northwest have not exceeded an average of 4 per cent per year. With the coming High Voltage DC transmission line coming in from the hydropower plants of British Columbia, our source of clean energy is assured.

Ford plans to sell SunPower PV rooftop systems at Best Buy for charging the Focus EV

Solar is going big box. The big secret out of the bag is how the future automobiles will be supplied energy from the electric grid, which will have no choice for the environment's sake to seek solar energy via solar PV panels on roofs and in fields across America. What we do after that is not before us, but the huge challenge of the Smart Grid is before us and daunting.

DOE launches new tools to accelerate adoption of Electric Vehicles

Two online tools help communities better prepare, including a template for a design of permits for residential EV charger installations and acceleration of the approval process, AND, a training video for inspectors and electricians as a guide to facilitate inspections and installations of home EV chargers.

The goal is to encourage cities to develop standardized permitting and inspection procedures. This should speed up the adoption of Electric Vehicles. The availability of hybrid electric vehicles today is just a sign of things to come. This author has seen the Azure Dynamics' hybrid electric commercial truck on the streets of Washington, DC. Most people are not aware of the advancements that have been years, if not decades, in the making.

Product Highlight – Standalone EV Charging Station (Auxiliary Power System)



The avoidance of trips with an ICE vehicle saves quicker than merely substituting for utility power. A 350 watt PV array keeps the (5 KWh) battery bank charged.

[This system is ten years old and still kicking.](#)

Editorial – Fact or Fiction

Energy is a technical subject. That math and science you had growing up can come in handy when trying to digest energy-related information. Most of it is true and accurate, but it is your understanding of the information's relevance that is important. Does it matter that you know that a gallon of propane has about 85,000 stored BTUs? Or that a gallon of gasoline contains about 115,000 BTUs? [Your car still wastes about 80% of that energy...the EVs coming down the road will likely rely on electricity from a system now wasting 60% of stored energy in coal or natural gas.] 1 KWh of electricity represents about 3,413 BTUs of stored energy. How much energy is actually put to use or work, and how much is actually wasted, is what matters. Energy is about work and efficiency, so it is better to understand that efficiency plays an enormous role in energy management, sustainability, and environmentalism - more on this subject later, perhaps when we address climate change and related policies.

We are known to engage in discussions about the broader aspects of energy and energy policy and the relation to sustainable living. Because it is summer on the North OP, the team here is taking a break from such analysis to recharge for the upcoming TCS workshop, ASES Solar Tour, and articles for *OES News*.

Our President, Jonathan Clemens, is still doing free initial consultations and further (fee based) site assessments, designs, and development of systems, both on-grid and off-grid, though the company is pursuing product development of its Tensioned Cable System for mounting solar panels on roofs and the ground without penetrations or foundations, and will be emphasizing off-grid electric vehicle charging stations energized from solar.

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