



New Installations



VAWT Manufacturing is home to this 50 foot V200 installed on April 15th. A V100 installation is planned for late May. VAWT is the exclusive manufacturer of Energy Balls in North America.

**Temperature: Degrees Celsius
X 1.8 +32 = Degrees Fahrenheit**



United Plumbing of Sudbury, Ontario, Canada erects A V200 for a residential application. United is gearing up for HEA sales across the Ontario territory with a new showroom and sales staff.



Green Friendly Cities

With all the conversations we hear daily on radio and TV, see on the Internet and in newspapers, why is it not easier to get permitted for small wind and solar projects in urban communities?

Being green to many cities simply means they use a landfill, or encourage the saving of water, or believe in recycling at some level. All of these are great pursuits but, missing much of what would be great opportunities in our nations current going green revolution.

There are approximately 19,355 incorporated communities in the US (according to census 2000). Most communities appear to approve of alternative energy systems; that is until you go and ask for a permit to install a small wind or solar system on your roof or in your yard. It's then that your your progressive, renewable energy friendly city has only one sentence on friendly, and dozens of pages on restrictions. All kinds of restrictions.

For wind they lead with height restrictions, lot size minimums, excessive drop zones, skyline blight and more. For solar, it's not quite as bad, but the inconsistencies can be overwhelming. Never mind that alternative energy systems bring jobs, add to tax base, and generally improve the wellbeing of their constituencies.

OK, enough of that. Let's get on to how we (you and I) can help. Over the past couple of years we've actually been approached by cities who wanted our help (as small wind industry professionals) to guide them to reasonable and responsible policies. Possibly the largest problem we share mutually is the newness of our industry; the large number of options and choices they need to make, and a very dilute exposure to the many good companies, good products, solidly engineered and proven products designed to serve the urban and suburban communities.

A good place to start might be to step forward, meet those with the authority and responsibility to craft what is best for their community. Ask for a copy of their existing (if any) code/ordinance/policy so you can better understand their concerns. Take the time to develop a well thought out proposal that just may be able to be presented to the city council, county board of supervisors, building inspectors, zoning commissioners or others in authority. If only to achieve a general variance from their existing code, at least you've brought reason to the table, possibly made a new friend or two; and hopefully, you've respectfully educated them to the value of the quality products, and engineered solutions that the HEA products you represent can bring to their home town.

**Robert S. Thompson
CEO**

Energy Balls Everywhere



Gulf Coast Renewable Resources

Exhibited the Energy Ball, Solar PV, and Solar Heat Tubes at the Galveston Island Home and Garden Show. Veteran's of the show were impressed by traffic generated by the Energy Ball. GCRR along with Renewable Energy Enterprises-Sherman., participated in an "Extreme Makeover Home Addition" show in South Texas earlier this year, in support of HEA distributor GreenWatt Energy of Fort Worth..

Wind Speed: Meters per Second X 2.24 = Miles per Hour



Combining Solar PV with Energy Balls serves best case ROI while, Off-grid systems for boats, RV's, and remote power work great, and adding Solar Thermal Heat Tubes to architectural schemes brings both aesthetic and practical options into play beautifully.

Torque: Newton Meters X .74 = Foot pounds of torque.



Turn Key Solar PV Packages

A Turn Key System allows you to have pre-defined solutions for quick and easy installation. Avoid the hassle and frustration of designing and configuring systems.

Grid-Tied Roof Mounted Solar Kits



(Asphalt Roofs)

These preconfigured kits are available for 1, 2, 5, 10 or 20 kW Systems.

Off-Grid Ground Pole Kits



(Includes Batteries)



1 kW or 2 kW Systems

Everything you need to professionally install a ground mounted 1 or 2 kW system for grid tie.

Kit includes: HEA Solar PV panels
Matched Inverters
Junction Boxes
Cut off switches
All required cabling
AGM Batteries
Grounding kit
Inverter Options
Step by step installation and footings instructions

Each kits includes:
HEA Solar PV panels
Matched Inverters
Junction Boxes
Cut off switches
All required cables
Lighting arrestor kit
Rack and Rail system
Step by step installation instructions

For details contact
Jon Trice in HEA's
new Ft Worth Sales
Office 817-346-7771

Grid-Tied Ground Pole



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HomeEnergyAmericas.Net site for Dealers/Distributors only.
Keep an eye out for your unique UserID and Password to gain entry into our new distributor and dealer support portal

This site is available as a support function for HEA Distributors and Dealers.



Support



Sales Tools



NEWS



Markets



ARRA Stimulus



Demo Equipment



Partners



Video Links



Industry



Financing



FAQ



HEA BLOG

In Stock & Ready to Ship

All major product sets
33'(10M), 40'(12M) and 50' (15M) Poles
Solar PV Side Pole Mounts (1 or 2 panels)
Inverters: Sunnyboy and Enphase
SolarHot Solar Thermal Controllers
Callifi Pumps and accessories
Demo Energy Balls
Desk Top Model of V100 Energy Ball
Demo Solar Heat Tubes
Solar PV Roof Mounts, all types
DC Air Conditioners (very efficient)
The Energy Detective (true RMS)
Charge Point EV/Energy Ball System

Rural Energy for America Program (REAP)

<http://www.rurdev.usda.gov/ga/tenergy.htm>

Section 9007 of the 2008 Farm Bill established a grant, loan, and loan guarantee program to assist eligible farmers, ranchers, and rural small businesses in purchasing renewable energy systems and for making energy efficiency improvements.

HEA en Espanol

The V100 and V200 Energy Ball Brochures are now available in Spanish language format to support sales into Mexico, Central America, South America and the Caribbean markets.

HEA Blog: Visit HEA's Information and News

BLOG at:

<http://homeenergyamericas.wordpress.com>

Quick Estimating

This site can help dealers, distributors, or end users determine the size and type of renewable energy system a home or business will need based on location and energy usage. <http://www.solar-estimate.org/index.php?page=wind-calculator>



Department of Energy Funding

Of the \$16.8 billion in ARRA funds directed to DOE's Office of Energy Efficiency and Renewable Energy, \$115 million went to the Solar Energy Technologies Program, \$1.6 billion for Clean Renewable Energy Bonds (CREBs), \$2.7 billion went to fund Energy Efficiency and Conservation Block Grants and \$3.1 billion was provided for State Energy Program (SEP) grants.

The SEP grants in particular are helping support the deployment of solar energy equipment around the country. Virginia, Maryland, Delaware, Massachusetts, New York, Pennsylvania, Vermont and Wyoming are using their SEP allotments to fund existing rebate programs and create new programs where none existed before. Other states are using the funds for competitive grants, large installations, manufacturing incentives, research centers, low-interest financing and worker training.

Federal Solar Policy

The significant solar policy changes in 2008 set the bar high but 2009 brought its own share of federal solar policy victories. After obtaining a long-term extension of the 30-percent investment tax credit in October of 2008, the economy put the brakes on the tax equity market. Fortunately, 2009 began with the passage of ARRA, in which Congress established the Treasury Grant Program that allows the commercial tax credit to be taken as a cash grant for a limited time and lifted the \$2,000 cap on the residential investment tax credit for solar thermal installations, for the first time allowing a full 30-percent ITC on solar water heating and other solar thermal technologies for the homeowner.

Solar energy in 2009

17 April 2010
Total U.S. solar power from photovoltaic (PV) and concentrating solar power (CSP) technologies climbed past 2,000 MW, enough to serve more than 350,000 homes. Total U.S. solar thermal capacity approached 24,000 MW. The Solar Energy Industries Association (SEIA) released the 2009 U.S. Solar Industry Year in Review, finding another year of strong growth despite the economic recession

Saskatchewan Provides Funding For

Wind Power Storage 17 April 2010 The Government of Saskatchewan is providing Go Green funding for a multi-year agreement with the Saskatchewan Research Council (SRC) to develop and demonstrate new wind energy storage technology.



Join HEA at the world's largest and most anticipated annual event for wind energy HEA is in Booth 5816 in the Small Wind Pavilion across from the Dept. of Energy.



April 21st and 22nd, 2010 San Ramon, California



Solar 2010 Connect in the Desert May 17th-22, 2010 Phoenix, Arizona



Concentrated Solar Power Summit USA The 4th annual event June 23rd-25th PARC 55, San Francisco, California



SEPTEMBER 30th AND OCTOBER 1st, 2010 Milwaukee, Wisconsin Midwest Airlines Center



December 14-16th, 2010 Orange County Convention Center West Hills

Michigan Wind Energy Conference

The event is set to take place Tuesday and Wednesday (April 20th & 21st). Conference agenda and registration information are available online at www.girea.org.

Milford (Utah) Renewable Energy Fair

An electric vehicle race between seven student teams, discussions on "green" jobs and the Utah Renewable Energy Zone program, and a film on a Utah wind project are expected to draw more than 1,000 attendees to the Milford Renewable Energy Fair hosted by the Southwest Utah Renewable Energy Center on April 29th.

Ohio Celebrates Earth Day (April 22)

<http://www.akron.com/akron-ohio-entertainment-news.asp?alD=8702>

Reports: The Twelve Days of Earth Day

Event mushrooms into a dozen days of puffins, parades and practically everything 'earth-friendly' including renewable energy exhibits.

<http://www.dailyastorian.info/main.asp?SectionID=2&SubSectionID=398&ArticleID=69495>

Cortland, NY "Sustainability Week"

CORTLAND, NY (04/15/2010)(readMedia)-- SUNY Cortland will celebrate Sustainability Week 2010 from Saturday, April 17-Saturday, April 24, with a series of events including an all-day Sustainability Conference with many speakers, information sessions on "going green," a series of community cleanups, a film, a sustainable lunch, an art exhibition and a public forum.

The Small Wind Certification Council (SWCC) As an independent certification body, certifies that small wind turbines meet or exceed the performance, durability, and safety requirements of the Small Wind Turbine Performance and Safety Standard. This certification provides a common North American standard for reporting turbine energy and sound performance, and helps small wind technology gain mainstream acceptance. IREC helped facilitate the formation of SWCC.

DSIRE Adds PPAs to Summary Maps The DSIRE database features color-coded [summary maps](#) of certain financial incentives and regulatory policies that promote renewable energy in U.S. states. DSIRE makes these maps available as PowerPoint slides for easy incorporation into presentations and reports. The newest map to make the list at #13: states that allow third-party solar power PPA's. "It seems that over the last year we have been getting a higher percentage of questions about the availability of 3rd party *power purchase agreements* (PPA)," said Amanda Vanega Project Coordinator at DSIRE. "The 3rd party PPA has been cited as the business model that lead to "virtually all" larger and mid-size non-residential installations in 2008 (see [Larry Sherwood IREC U.S. Solar Market Trends 2008 Report](#)).

New Mexico Allows 3rd Party Ownership; Cost Recover for Net Metering

On March 9, 2010, [House Bill 181/Senate Bill 190](#) was signed by Governor Richardson, legislatively establishing third-party ownership in New Mexico. This legislation negates the previous Public Regulation Commission order on third-party ownership but establishes that it will be allowed starting in 2011. Additionally, upon request of an investor-owned utility in any general rate case, the commission will approve interconnected-customer tariffs to recover the costs of ancillary and standby services for new interconnection customers. In essence, this means that the bill allows for net-metering cost recovery by the utilities, which may end up leading to rate cases to establish special rates for net metered customers.

A legacy of Katrina: Green homes

NEW ORLEANS -- In this city on the mend, hundreds of state-of-the-art sustainable, energy-efficient homes are being built in lower-income neighborhoods, a trend that's outpacing most of the rest of the country. More than 500 homes are being built with features such as solar panels, rain-catching cisterns and eco-friendly materials in neighborhoods that received the brunt of the damage from the 2005 floods following Hurricane Katrina. Hundreds of other homes are being given green upgrades.

The Nebraska Wind Power Story

Nebraska has great wind resources, but did not have much wind energy development because the state's electric utility structure did not provide enough incentives. To make things worse, there was a ban against exporting electricity.

This week, the Nebraska legislature passed a law that allows the export of electricity. That means the state can enjoy the other benefits of wind energy development—jobs and economic development.

HEA will exhibit our Mobile Demonstration Unit at McKinney's Heard Museum & Wildlife Sanctuary on Apr 24th.



New Product Relationships from HEA

The Data Logger/Recorder described below is by far, the best we've found. We've tested others, only to be disappointed in the accuracy of their output, and at 4 to 5 times the price of TED system. Call Sales or Dealer Support for pricing and details. True RMS logging with a very high sampling rate, at the cost of an anemometer. An excellent addition to every installation.

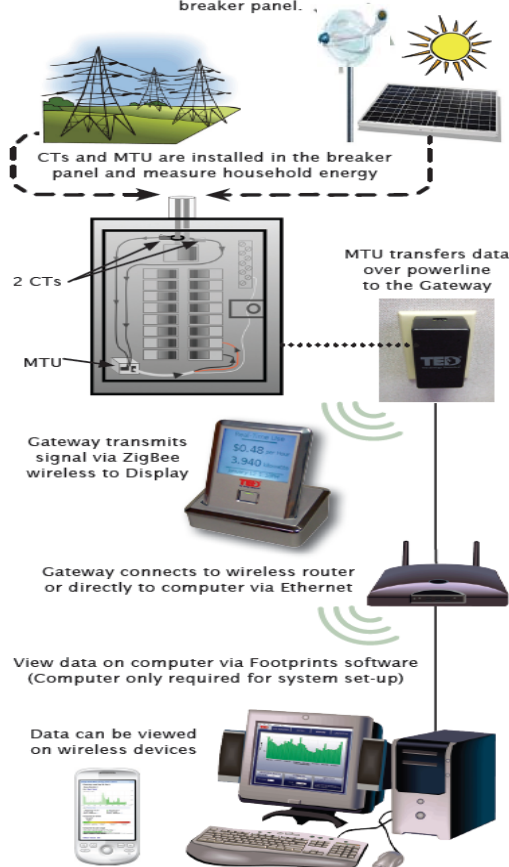


Instantly Displays

- Production
- Consumption
- Net Usage

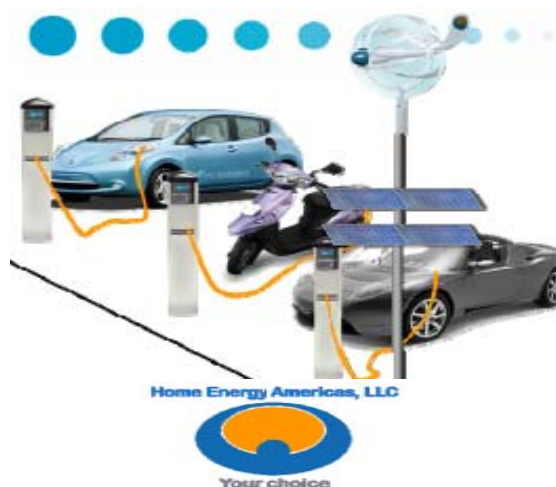
How TED 5000 Works

Solar, wind, and/or electric power is sent to a home's breaker panel.



EV Island

- ChargePoint CT2102 EV Charger 120v/240v Dual Port "Smartlet"
- Energy Ball V100 Wind Turbine
- Solar Array / Enphase Controller



Four companies have cooperated to bring products, services, and expertise to facilitate the EV infrastructure. The Electric Vehicle (EV) auto industry is aggressively launching their new EVs' and we are strategically placing attractive, effective and simple solutions for each particular EV need.



HEA has signed a nationwide contract to offer these "Best of Breed" Electric Vehicle Charging Stations in conjunction with our Energy Balls and Solar PV products. It's a great opportunity to get out ahead of what promises to be a long term, sustainable market as electric vehicles start rolling off the assembly lines en mass this year.