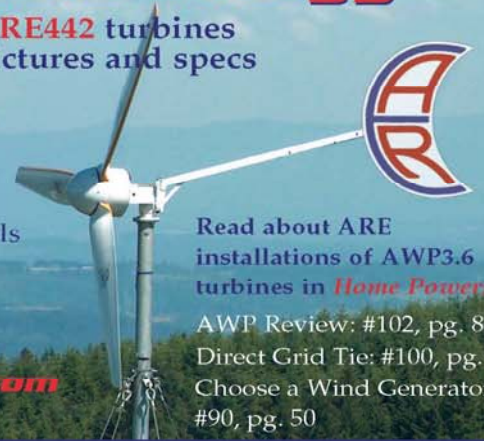




Residential Wind & Hybrid Systems from **Abundant Renewable Energy**

Introducing the **ARE110** and **ARE442** turbines
See our website for the latest pictures and specs

- Maximizing Energy, by Maximizing Efficiency
- Direct Grid Connect without Batteries
- Battery Charging Systems
- The Most Powerful Blades, the Most Efficient Alternators, and the Most Sophisticated Controls in the Field today.
- Quiet, Consistent, Reliable



Read about ARE installations of AWP3.6 turbines in *Home Power*:
AWP Review: #102, pg. 82
Direct Grid Tie: #100, pg. 22
Choose a Wind Generator: #90, pg. 50

Web Site: www.AbundantRE.com

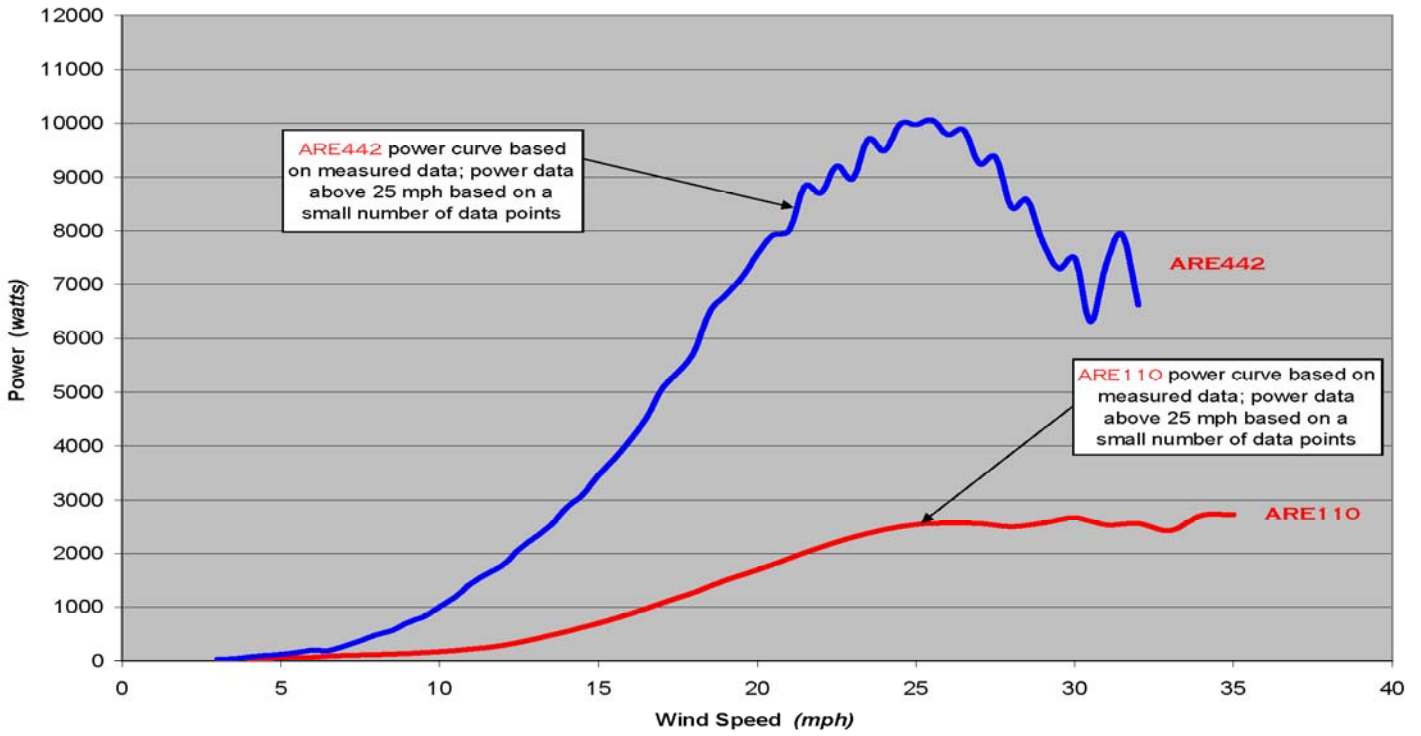
Phone: **(503) 538-8298** • Email: info@AbundantRE.com

See web site for our list of dealers

	<u>ARE110</u>	<u>ARE442</u>
Specifications:		
Rotor Diameter	3.6 meters (11.8 feet)	7.2 meters (23.6 feet)
Swept Area	10.1m ² (110 sq. ft.)	41m ² (442 sq. ft.)
Configuration	3-blade upwind w/ side furling	3-blade upwind w/ side furling
Rated Power	2.5kW	10kW
Cut-In Wind Speed	2.5 m/sec (6 mph) estimate	2.5 m/sec (6 mph) estimate
Rated Wind Speed	11 m/sec (25 mph)	11 m/sec (25 mph)
Alternator	Neodymium magnet, 3-phase	Neodymium magnet, 3-phase
Voltage Options	48V & Grid-connect	48V & Grid-connect
Tower-Top Weight	315 lbs.	1,650 lbs.
Prices:		
Wind Energy Systems		
Made in U.S.A.		
Grid-Connect Without batteries	\$12,650. - Includes wind turbine w/ slip rings, WB 3300U (3.3kW) inverter, voltage clamp, & div. load - all with 5-year warranty	\$39,600. - Includes wind turbine w/ slip rings, (2) WB 6000US (6kW) inverters, voltage clamp, & div. load - all with 5-year warranty
48V Battery-Charging	\$11,800. - Includes wind turbine w/ slip rings, controller / Peak Power Tracking Charge Control & diversion load - all with 5-year warranty	\$39,950. - Includes wind turbine w/ slip rings, controller / 10kW inverter & diversion load - all with 5-year warranty
Towers Made in U.S.A. (sold separately)		
Guyed, Tilt-up Pipe Towers for ARE110 Wind Generators		
4" galv'd Schedule-10 pipe	<u>With Pipe</u>	<u>Without Pipe</u>
43 feet	\$2,750	\$2,025
64 feet	\$3,450	\$2,390
85 feet	\$4,200	\$2,910
106 feet	\$5,700	\$3,900
Other Tower Styles include: 5" Tilt-Up Model; Free-Standing Lattice, & Monopole	Contact ARE for prices	
ARE442 Tower Prices Available upon Request		
Accessories (for Purchase a la Carte)		
LPS110 Lightning Protection System for ARE110	Contact ARE for prices - Required for lightning related warranty coverage	
LPS442 Lightning Protection System for ARE442	Contact ARE for prices - Required for lightning related warranty coverage	
SMA Windy Boy - AVAILABLE	Contact ARE for prices	
SMA Sunny Boy Inverter - AVAILABLE	Contact ARE for prices	
Voltage Clamps™	Contact ARE for prices; custom Voltage Clamps™ avail.	
Electric Winch Kit (For ARE110 Tilt-up Towers)	\$2,225	

For more information, please contact us: Telephone: **(503) 538-8298**
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Website: www.AbundantRE.com

ARE Wind Generators Power Curves



ARE Wind Generators Monthly Energy Estimates

