

# CITY OF PALMDALE

## *MEDIA ALERT*

CONTACT: John Mlynar  
PHONE: 661/267-5115  
DATE: November 17, 2015

### *PRESS CONFERENCE*

WHAT: Unveiling of Anywind Energy Inc.'s wind turbine installation.

WHEN: **Monday, November 23, 2015 at 11 am**

WHERE: Parking lot of the Anywind Energy Inc. Headquarter Office, 190 Sierra Court, A-1, in Palmdale.

WHO: Mayor Jim Ledford; members of the City Council; Anywind company staff.

BACKGROUND: On April 15, 2014, Anywind (AWP) signed an MOU with the City of Palmdale proclaiming that they would be a leader of green energy and contribute to the welfare, employment and nature conservation. With 11 patents which cover every part of the wind turbine system, AWP energy holds various intellectual properties.

The AWP system overcomes the problems of the conventional propeller-type wind turbine in terms of wind speed and direction, cost effectiveness, maintenance, noise and EMF emission.

The STR(Sleep Twist Round) blade is an optimized design by using the most advanced fluid-dynamic analysis model of the lift force of the wind to increase the power efficiency by at least 30%. The STR blade also dramatically reduces noise level and vibration, and is its own trace mark of AWP.

The inverter system converts and regulates the mechanical and electrical power according to the customer's needs. The inverter system uses the MPPT (Maximum Power Points Tracking) algorithm to increase the power conversion efficiency.

The coupling generator is the best, innovative invention that AWP energy holds in its fundamental technology. The coupling generator solves the conventional electric machinery problems in the form of cogging torque, low performance, and back-EMF emission. Another salient feature is the magnetic levitation technology. The rotating part is levitated from the fixed repulsive force of the magnetrons. Magnetic levitation technology guarantees no friction of mechanical parts which reduces the noise and vibration, and

leads to increase power production with the same inertia momentum.

INFORMATION: Sylvia White – 661/609-8870 or email: [anywindusa@gmail.com](mailto:anywindusa@gmail.com)  
[www.anywindpower.com](http://www.anywindpower.com)

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Communications Department • 38300 Sierra Highway • Palmdale, CA 93550  
[www.cityofpalmdale.org](http://www.cityofpalmdale.org)