

Northern Power Systems launches new distributed wind turbines

NPS 100 and NPS 60 improve annual energy production by up to 15%

PRESS RELEASE

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MEDIA CONTACT:

Jesse Wijnberg (+1 802 461 2955) jwijnberg@northernpower.com



Barre, VT USA (04 September 2014) – Northern Power Systems (www.northernpower.com) (TSX: NPS), has launched the next generation of their industry leading permanent magnet/direct drive distributed wind turbines. The 100 kilowatt (kW) NPS 100C and the 60 kW NPS 60C are commercially available for delivery to markets around the world starting in the fourth quarter of 2014.

A new 24.4 meter rotor features state-of-the-art hub and blade technology with superior aerodynamics providing a larger swept area compared to the outgoing model. This increases the annual energy production (AEP) of the NPS 100C-24 and 60C-24 by up to 15% depending on wind conditions. In combination with Northern Power's proprietary permanent magnet/direct drive technology, these new turbines are industry leading in power performance, energy production and lifetime cost of ownership.

The turbines reflect the next generation of NPS' proven distributed wind platform that has been deployed since 2008. The cutting-edge design reduces foundation and installation costs.

Further improvements include a new best in class brake system, industry leading yaw configuration, an enhanced electrical layout, more efficient generator cooling, and an ultrasonic wind vane and anemometer.

The new class III 24.4 meter rotor is available on the 100kW and 60kW model. The NPS 100C is alternatively available with a class II 21 meter rotor option.

Troy Patton, president and chief executive officer, said, “This launch heralds a new era in distributed wind energy generation. Through our technology and innovation, we are introducing small wind turbines that will drive economics that are on par with an increasing proportion of other energy sources.”

About Northern Power Systems

Northern Power Systems designs, manufactures, and sells wind turbines, and provides engineering development services and technology licenses for energy applications, into the global marketplace from its US headquarters and European offices.

- Northern Power Systems has almost 40 years’ experience in technologies and products generating renewable energy.
- Northern Power Systems currently manufactures the NPS™ 60 and NPS™ 100 turbines. With over 5 million run time hours across its global fleet, Northern Power wind turbines provide customers with clean, cost effective, reliable renewable energy.
- Patented next generation permanent magnet/direct drive (PM/DD) technology uses fewer moving parts, delivers higher energy capture, and provides increased reliability due to reduced maintenance and downtime.
- Northern Power Systems offers comprehensive in-house development services, including systems level engineering, advanced drivetrains, power electronics, PM machine design, and remote monitoring systems to the energy industry.
- Some of the world’s largest manufacturers license NPS next generation technology and intellectual property for their utility and distributed wind products and markets.

To learn more about Northern Power Systems, please visit www.northernpower.com.

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