Lightning Round Update

Distributed Wind 2024

Mike Bergey
President





Bergey Windpower Co.

A World Leader in Small Wind

- Established in 1977, sole focus on small wind turbines for distributed applications
- Pioneered "sophisticated simplicity" turbine architectures and numerous component technologies
- Turbines have had 2-4 moving parts, and required no scheduled maintenance
- Over 10,000 installations, covering all 50 States and over 100 countries





Bergey Turbines, 1980 - 2019









BWC 1000, 1980

BWC Excel, 1983

BWC 1500, 1990

BWC 850, 1994



BWC XL.1, 2000



BWC Excel 50, 2005



BWC Excel 6, 2012

Bergey Excel 15





REAP-Fueled Agricultural Market





BWC 15 kW Retrofits



Replacing:

- Bergey 10 kW
- Jacobs 10, 17 & 20 kW
- Proven 15
- Gaia 11
- Endurance 60 kW
- Evoco/Osiris 10 kW
- ReDriven 10 & 20 kW
- Enertech 40 kW
- Numerous Chinese Models
- Xzeres 10 kW (special case reduce rotor speed)

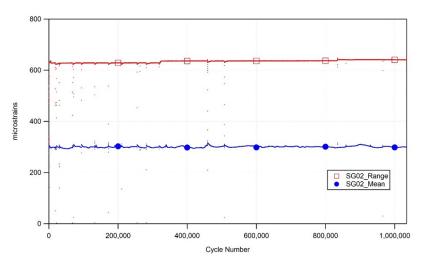
NREL Static and Fatigue Tests, BWC Excel 15 Blade



NREL Static and Fatigue Tests, BWC Excel 15 Blade



- 20-Year Accelerated Life Test: 1
 million cycles at calculated Damage
 Equivalent Load (DEL)
- Currently at X million cycles and 2X DEL
- No significant change in stiffness (lots of fatigue life left)



We Love What We Do

