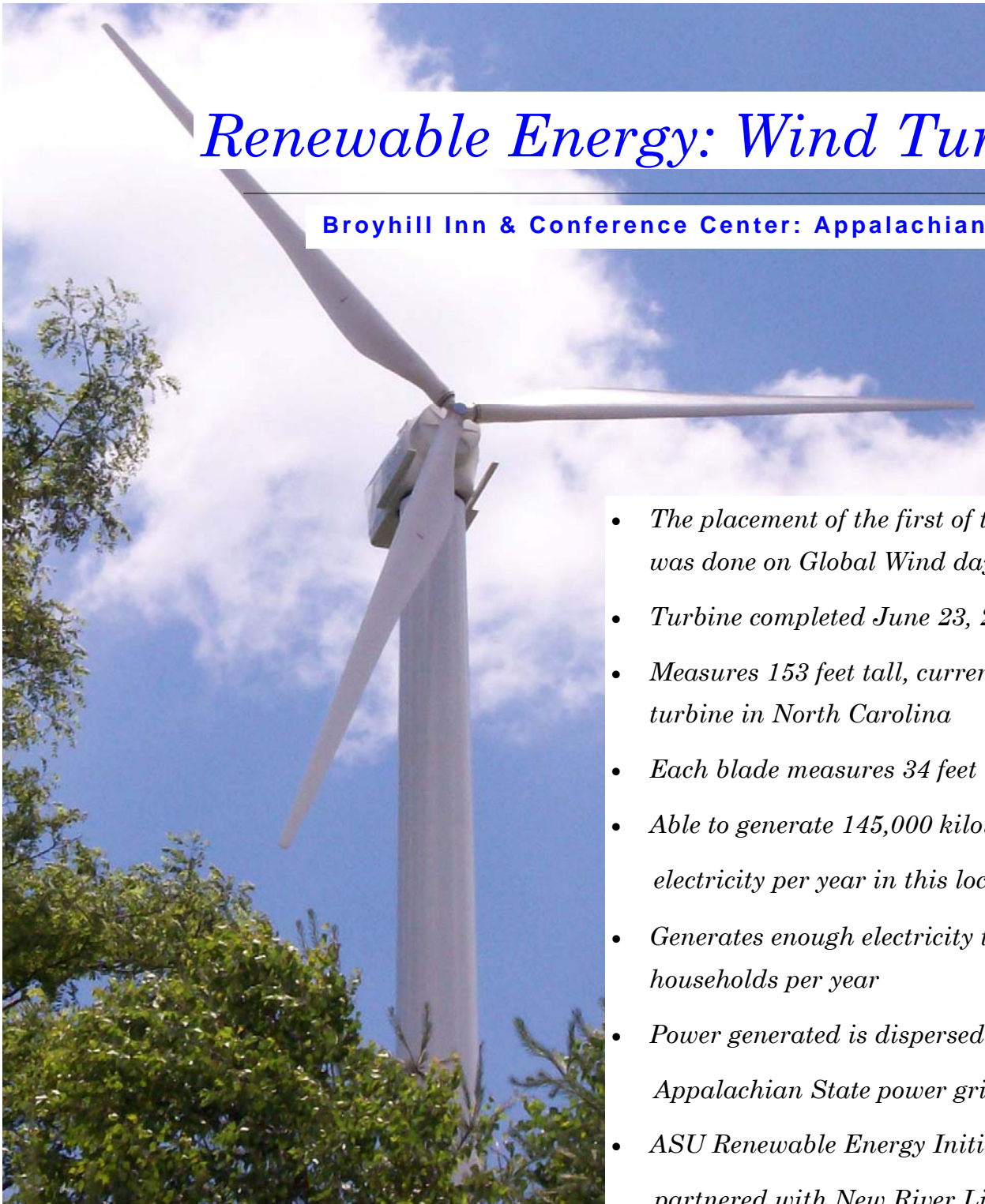


Renewable Energy: Wind Turbine

Broyhill Inn & Conference Center: Appalachian State University



- *The placement of the first of three tower sections was done on Global Wind day, June 15th, 2009*
- *Turbine completed June 23, 2009*
- *Measures 153 feet tall, currently the largest wind turbine in North Carolina*
- *Each blade measures 34 feet long*
- *Able to generate 145,000 kilowatt hours of electricity per year in this location*
- *Generates enough electricity to power 10-15 households per year*
- *Power generated is dispersed into the Appalachian State power grid*
- *ASU Renewable Energy Initiative (REI) partnered with New River Light & Power to provide funding*
- *ASU students pay \$5 per semester to the REI, totaling about \$150,000 annually*

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