

## Southwest Windpower AirX

Hub height 45' (13.7m)  
Lower anem 32'-10" (10m)  
Upper anem & vane 39'-4' (12.2m)

The AirX, the smallest machine at the site, was installed during a Southwest Windpower installation workshop on October 18-21, 2004. Josh Levinson and Jay Yeager of Southwest Windpower traveled from Arizona to lead the 4-day, hands-on workshop.

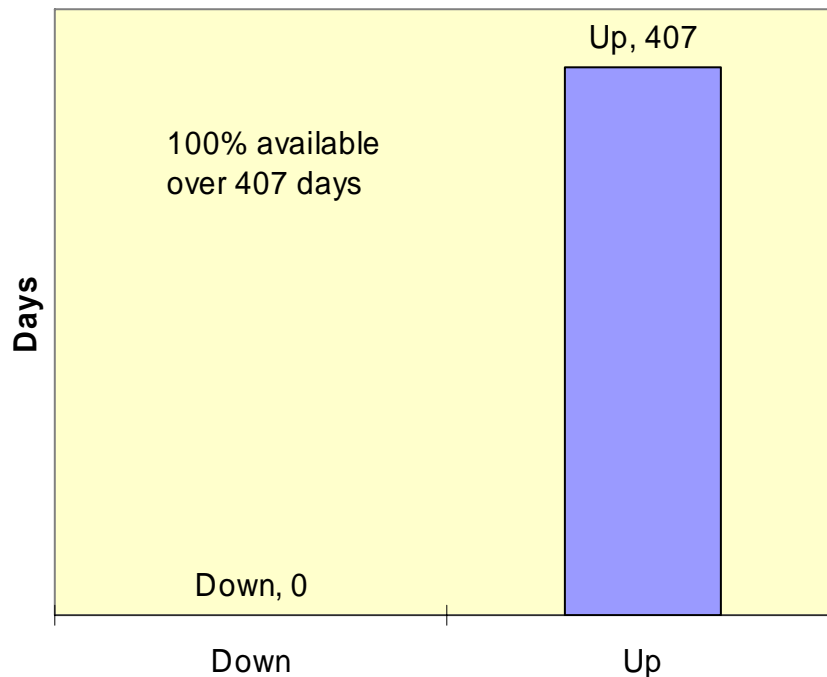
The 45-foot tower and the 400W, 24VDC battery-charging turbine were installed per the manufacturer's recommendations. Screw-in auger anchors were used. The tower pipe and couplers were purchased and cut locally.



### **Availability**

From the 10/21/04 installation until 11/28/05, the AirX has been available 100% of the time. This machine is the only turbine at the site which has not been damaged.

**AirX Availability**  
10/18/04 to 11/28/05



**Activity Log**

Browse the activity log for details and photos.



10/18/04 Installation workshop



10/18/04 The AirX tower can be raised by human power alone



**10/18/04** Jay Yeager explaining the Xantrex 4024 inverter

**11/18/04**

Connected AirX & Bergey to the 24VDC battery bank and battery bank to inverter.

**12/9/04**

Making very loud noise in gusty wind.

**12/10/04**

AirX loud noise is due to blown fuse which was blown by Bergey when it had a controller meltdown. Replaced fuse with 200A fuse b/t inverter and battery and replaced inverter to battery fuse with new 400A. AirX in online and charging again –JWL

**1/14/05**

Shaking and turning slowly. Ice on everything.

**11/29/05**

35-60 mph

AirX made barking noise at 40mph. Tried to turn it off in high winds and the turbine stopped. Barking noise is intermittent lasting for a few seconds at a time typically and corresponds with gust.



**1/14/05 Rime ice on the AirX**