



Project: **WindSpeed Transmission Project**
 Location: **Oklahoma**
 Client: **OG&E**

WindSpeed: Clean Power, Fast

Burns & McDonnell is helping OG&E deliver wind power from Woodward, Okla., to Oklahoma City via a new 120-mile, 345-kV transmission line. The fast-tracked project, dubbed WindSpeed, will open the vast wind resources of western Oklahoma for development. WindSpeed began in November 2007 with completion expected in December 2009. Burns & McDonnell is providing routing, permitting, right-of-way acquisition, design, procurement and construction program management. The project encompasses four substations, including the Woodward District EHV substation, designed with the capacity to tie into multiple wind farms. Burns & McDonnell performed an extensive routing study to develop routes presented at public involvement meetings and worked with state and county agencies and the Corps of Engineers to approve the final route. The line is supported by steel monopoles on drilled-shaft foundations according to a new design standard created for OG&E. To meet the aggressive schedule, Burns & McDonnell is coordinating construction as rights-of-way are acquired.

For more information, contact Josh Evans, 832-214-2868.



Project: **Buckeye Readiness Center**
 Location: **Sonora Desert, Ariz.**
 Client: **Arizona Department of Emergency and Military Affairs**

Readiness Within a Budget

The Arizona Department of Emergency and Military Affairs (DEMA) needed a facility for nearly 500 National Guard and Army Reserve personnel in the Sonora Desert — on a limited budget. With the nearest potable water source more than a mile away, Burns & McDonnell scientists used advanced technology to locate a well capable of meeting drinking water and fire-suppression system demands. Multiple septic tank systems collect and treat wastewater on site. To deliver the facility within budget, Burns & McDonnell used pre-engineered buildings, adding fire protection, standby power, network and other systems. The six-building Buckeye Readiness Center includes an assembly hall, simulator room, recruiting office, family center and gym; training rooms, offices and work spaces; a vehicle-maintenance training bay, arms vaults and mobility locker rooms. “We went to great lengths to assist the DEMA in reducing costs,” says project manager Bob Schulz. “We reduced costs by more than \$10 million while providing the required facilities for training and maintaining forces ready to respond as needed.”

For more information, contact Bob Schulz, 602-977-2623, or Victor Poland, 816-822-3840.

