Proposed Wind Farm at Plum Brook Station

NASA GRC is evaluating the potential siting of a wind farm on underutilized property at Plum Brook Station to meet Federal renewable energy goals for the agency.

**Proposed Action**
- NASA GRC is considering a 20-25 year partnership with a commercial wind energy developer
- Area under consideration would be a 2000-acre tract of land at Plum Brook Station
- Wind farm could consist of 20 to 30 wind turbines, each rated at 2.5 megawatts (MW)

**Ohio Power Siting Board**
Major utility facilities within the state of Ohio must be certified by the Ohio Power Siting Board. The Ohio Power Siting Board has established setbacks to ensure that wind farms are a suitable distance from the property boundary or any residential home.

**Property Line Setback**
The distance from a wind turbine base to the property line of the wind farm property shall be at least one and one-tenth (1.1) times the total height to the tip of its highest blade (492 feet).

\[= 542 \text{ feet from the Plum Brook Station Property Line}\]

**Residential Setback**
The distance from a wind turbine base to the nearest habitable residential structure shall be at least seven hundred fifty feet plus the length of the turbine's blade (164 feet).

\[= 915 \text{ feet from nearest residence}\]