Pine Mountain Regional Industrial Park
Bell County, Kentucky
Size: +/- 500 acres

Ownership:
Pine Mountain Regional Industrial Development Authority owns the property in surface and coal. Asher Land & Minerals, Ltd. owns the gas and oil on the site.

Alternative Energy Development Suitability:
Based upon developed criteria and scoring, this site is best suited for the development of a CTG/CTL facility (Criteria and scoring does not necessarily guarantee site success)

Nuclear: 63% - Site size may not be big enough, water supply may have limitations
Wind: Wind speed inadequate to develop a utility scale facility
Solar: 41% - Average annual solar radiation for two-axis tracking flat plates is 5.89 kWh/m²/day.
Biomass: 69% - Available biomass in Pine County and its surrounding counties is 424,551 tonnes per year, but right-of-way for higher electric transmission will need to be expanded to support level of service; no barge facility available
CTG/CTL: 81% - Abundance of coal in the area with adequate access to rail and road, but site size and water availability may provide limitation

Utilities:
• Potable Water – Not available
• Electric – One 69-kV line located six miles west of the site, one 500-kV line located 15-miles north of site; Calloway substation located 3.5 miles northeast of the site
• Gas – DNG 6" line located near site, serving Kettle Island/Pioneer gas storage area
• Broadband – County service available; provided by BellSouth and Worldwide Gap
• Sewer – Not installed

Transportation:
• Rail – CSX – Located adjacent to site
• Road – Direct access from U.S. 119 as of Sept. 2008
• Barge – Not available
• Airport Proximity – Middlesboro-Bell County Airport +/- 10.0-miles

Water Availability:
• Water Supply – Capital would be required to pump water from the Cumberland River, which is approximately 2.0-miles northwest of the site

Available Workforce:
• 91,000 potential workers within the Bell County area

Site Considerations:
• Wetlands – No wetlands are present within the development area
• Floodplains – Not within 100-year floodplain
• Water Resources – Discharge to the Cumberland River
• Former surface mining operation; significant groundwork required
• Adequate coal supply and sequestration potential
• Fair geological assets and low seismic risk

Environmental Assets:
• T&E – Multiple species listed: Blackside Dace (fish), Gray Myotis (bat), Bachman’s sparrow, brown creeper, crayfish, Blackburnian warbler, common raven, eastern small-footed myotis, golden wing warbler, and northern harrier. Critical habitats not expected at current site.
• Cultural Resources – No documented National Register properties within 100 meters
• Class I Visibility – Property located 70-miles northwest of Great Smoky Mountains National Park, 140-miles east of Mammoth Cave
• Public Access Areas – Cumberland Gap National Historic Park is located approximately 5-miles south of site; Pine Mountain State Park is 10-miles west of site
• Non-Attainment – > 50 miles from Knoxville, TN, a non-attainment area
• Site contains active, inactive or abandoned oil/gas wells for potential co-generation