

## **Guidelines for Digital Maps for the Kentucky State Board on Electric Generation and Transmission Siting**

The Kentucky State Board on Electric Generation and Transmission Siting expects that maps will be submitted with each application. It is recommended that the applicant for construction of a merchant power plant submit maps for the Siting Board at a scale of 1:24,000 (equivalent to 1 inch = 2,000 feet) or greater (such as 1:12,000 or 1 inch = 1,000 feet). Maps should include the following features:

- the location of the proposed plant, including site boundaries and buildings
- the location of the all utility lines that will need to be built and/or upgraded for the operation of the proposed plant. These lines should be shown to the point where they connect with an existing utility line or facility. This includes electric lines and facilities, and, if applicable, water pipelines and facilities, gas mains and facilities, and wastewater pipelines and facilities.
- the location of all roads, access ways, and railroads near the plant
- the location of the proposed site and residential neighborhoods, residential structures, and public and private parks within a two mile radius

Applications for the construction of transmission lines must include a map or maps of the proposed electric lines and facilities, as well as proposed right-of-way limits, and existing parcel lines (with the owner's name) over which the line will cross. In addition, the map or maps must show residential neighborhoods, schools, and public and private parks within one mile of the proposed facilities. It is recommended that the location of existing electric facilities at the point of interconnection and access roads for construction also be shown.

For all applications features should be placed on a basemap, such as a U.S.G.S. topographic quadrangle, or some other basemap with good locational reference information. Digital base map data is available at no cost through Kentucky's Geography Network (<http://kygeonet.state.ky.us/>).

### Converting a map to a PDF file

Maps must be submitted as PDF files. The following are some hints on making PDF files for maps:

- Make a PDF file with Adobe Acrobat as a printer with your CAD or GIS software or use your mapping software to make an image file that Adobe Acrobat can convert to a PDF file.
- The size of the map should be limited to 36" wide since plotters are often limited to 36" paper.
- Do not reduce the map to fit into an 8.5 x 11" format if it makes the type and lines illegible.
- Maps do not need to be made into a "searchable" PDF.