



# Ohio Power Siting Board

## CASE STUDY

**18 DECEMBER 2008**

**ACCRA, GHANA**



# Proposed Facility

- The Applicants propose to construct a 138 kV transmission line in northeast Geauga County and southern Lake County, in order to provide additional capacity and reliability to CEI's distribution system in the Project area.
- The proposed facility would create a looped extension of an existing line to supply a new 138 to 36 kV distribution substation (Stacy Substation) to be located along U.S. Route 322 (Mayfield Road).
- The line would be a double circuit 138 kV line supported by single wood pole structures and that it would generally require a 60-foot right of way (r-o-w).



## Preferred route

- Large follows a cross-country route originating at a new substation that will be built.
- Preferred Route is 14.7 miles in length
- Mostly rural
- Cross approximately 87 properties
- 2000 foot wide corridor for the preferred route



- 102 wetlands totaling 55.6 acres, or 11 different wetland habitat types were identified along the corridor
  - ❑ 20 palustrine emergent,
  - ❑ 4 palustrine emergent/forested
  - ❑ 15 palustrine emergent/scrub-shrub/forested,
  - ❑ 2 palustrine emergent/scrub-shrub forested
  - ❑ 15 palustrine forested wetlands
  - ❑ 3 palustrine natural vernal-woodland
  - ❑ 13 palustrine scrub-shrub
  - ❑ 12 palustrine scrub-shrub/emergent
  - ❑ 5 palustrine scrub-shrub/forested



60 streams identified

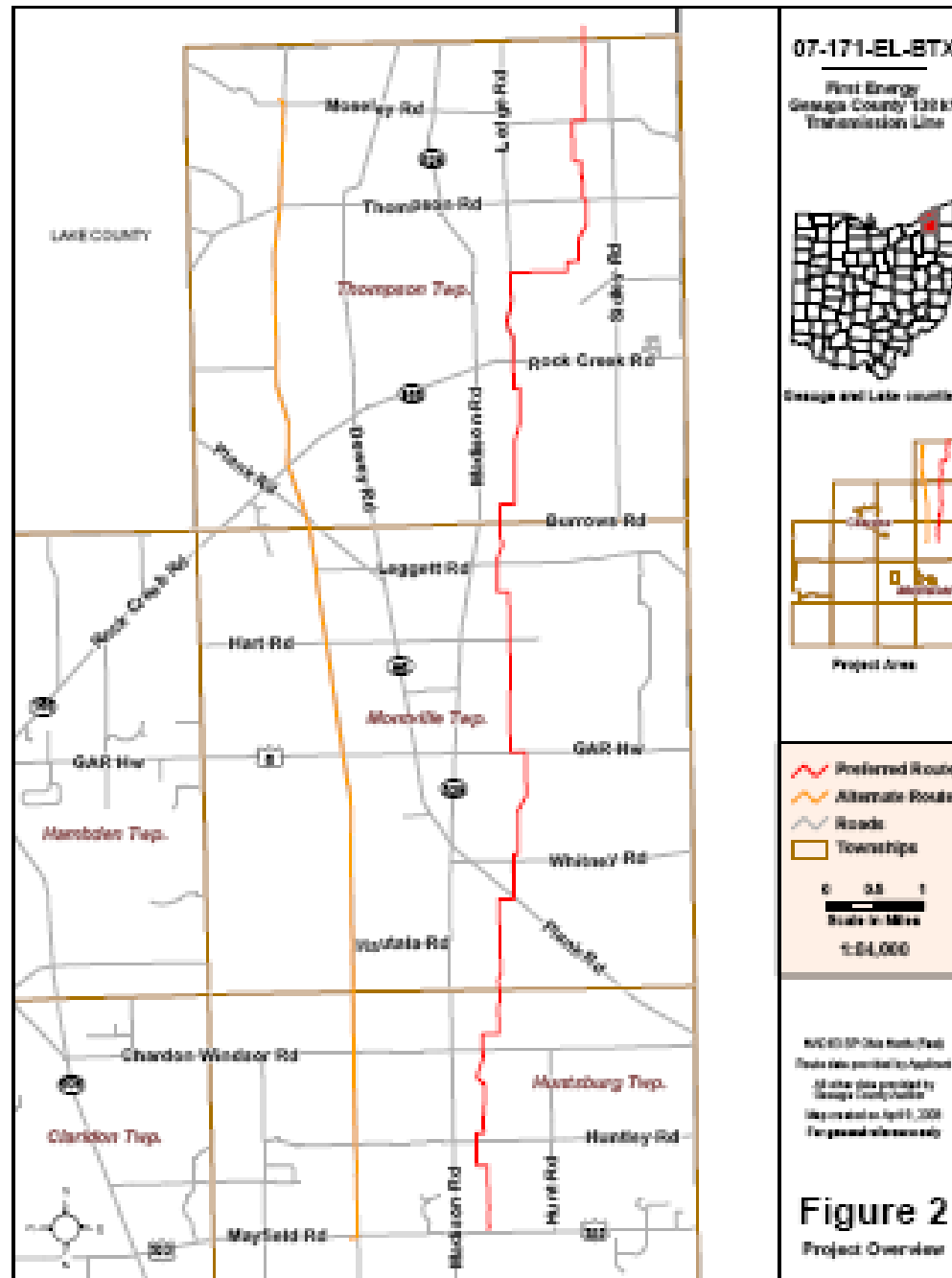
- 1 fair warmwater habitat stream
- 7 good warmwater habitat streams
- 7 ephemeral streams
- 4 intermittent streams
- 41 perennial streams

federally endangered Indiana bat  
once threatened Bald eagle



# Alternate Route

- 12 miles in length
- Largely follows a road corridor route
- Cross approximately 182 properties









Administrative Law Judge appointed  
Hearings set on the merits of the proposed line  
Two public notices published in local newspapers  
advising of the date, time and place  
Adjudicatory hearing set for expert witnesses



# The Board's Decision

- The need for the facility;
- The probable environmental impact of the proposed facility;
- Whether the facility represents the minimum adverse environmental impact considering the technology that is available and the nature and economics of the various alternatives;



## The Board's Decision (cont.)

- That the facility is consistent with regional plans for expansion of the electric power grid of the electric systems serving Ohio and interconnected systems, and that the facility will serve the interests of electric system economy and reliability;
- The facility will comply with all air and water pollution control and solid waste disposal laws and regulations;



## The Board's Decision (cont.)

- The facility will serve the public interest, convenience and necessity;
- The facility's impact on agricultural lands; and
- The facility incorporates maximum feasible water conservation practices.