INFORMATION SHEET
COLORADO

PTARMIGAN SUBSTATION

SITING AND PERMITTING

Siting a substation and its associated facilities requires the assemblage and evaluation of input from a variety of sources. Factors considered include environmental and land use impacts, engineering feasibility and public acceptability.

To help identify candidate areas for the project, a Geographic Information System-based siting study map has been created through a resource mapping process as illustrated in the Figure A example. As each resource map is layered over the others and the data compiled together, potential sites emerge that are more closely analyzed for project feasibility and presentation to the public for review.

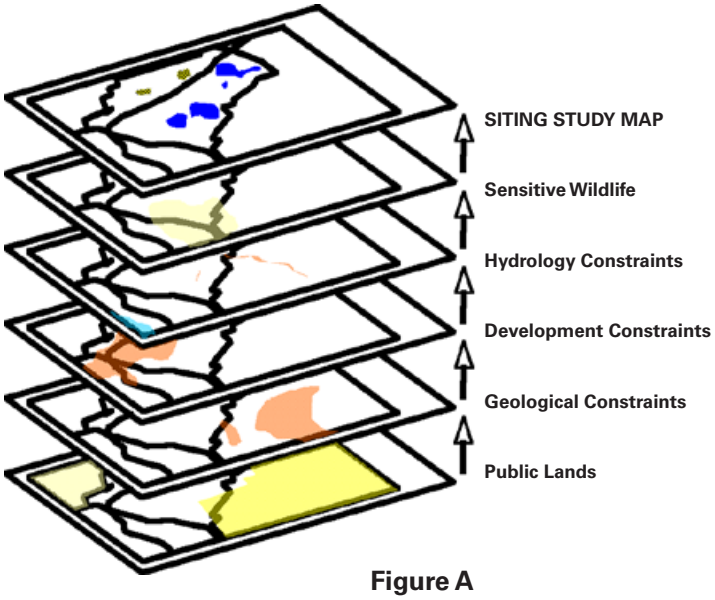

Figure A

The potential sites are then further analyzed and compared against each other. Criteria considered for this analysis includes:

- Transmission line length
- Distribution feeder line length
- Visual potential
- Proximity to existing residences
- Substation and access road constructability issues
- Substation insulating technology
- Potential impacts to sensitive wildlife areas, wetlands and vegetative cover
- Existing and future land use and zoning
- Jurisdictional and regulatory considerations
- Costs

Potential sites that best meet the above criteria are further analyzed by reviewing more detailed information. This can include performing topographic surveys, developing preliminary grading designs with various equipment layouts and configurations, identifying site access and transmission and feeder line route options, and exploring viable alternatives with landowners. As these more suitable sites are identified, they are presented to the public, whose comments are then considered in the siting process.

QUESTIONS?

If you have any questions please contact:

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