

Built	Natural	Engineering
Proximity to Residences Public Use Areas Approved Subdivisions Land Use and Capability Shelherbets Cultural resources Commercial Forests	Wildlife Habitat Forests Wetlands Special Areas (AS) / Proposed protected areas Stream / River Crossings Native Grassland	Accessibility Constructability (soil types) Road / Rail / Highway Crossings Paralleling (Tines / Roads) Project Costs Reliability



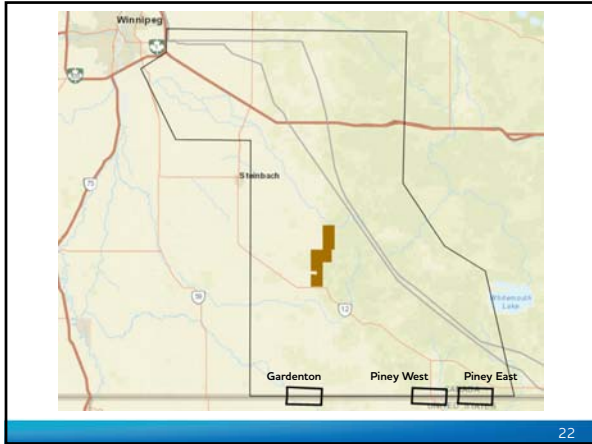
19

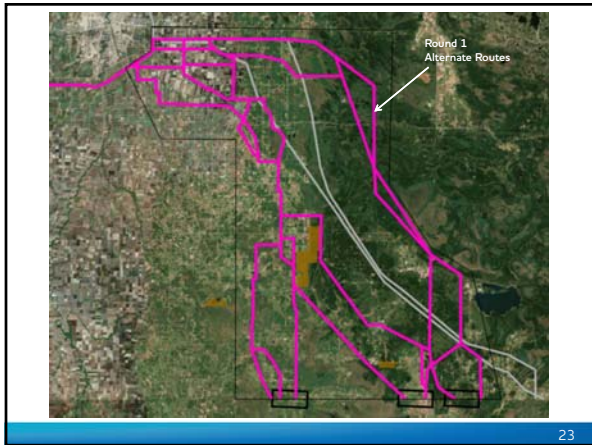
ALTERNATE ROUTE EVALUATION MODEL	
Criteria	Weight
Built	
Relocated Residences – Within ROW	27.1%
Potential Relocated Residences (100 m) – Edge of ROW	17.1%
Proximity to Residences (100-400 m) – Edge of ROW	6.4%
Proposed Developments – Within ROW	15.8%
Current Agricultural Land Use (Value) – ROW	4.4%
Land Capability for Agriculture (Value) – ROW	2.2%
Proximity to Intensive Hog Operations (acres) – ROW	3.3%
Diagonal Crossings of Agriculture Crop Land (km)	9.9%
Proximity to Buildings and Structures (100 m) – Edge of ROW	3.2%
Public Use Areas (250 m) – Edge of ROW	7.4%
Historic/Cultural Resources (250 m) – Edge of ROW	1.8%
Potential Commercial Forest (acres) – ROW	1.7%
Natural	
Natural Forests (Acres) – ROW	8.0%
Intactness	25.9%
Stream/River Crossings – Centerline	16.4%
Wetland Areas (Acres) – ROW	16.4%
Conservation and Designated Lands (Acres) - ROW	33.3%
Engineering	
Seasonal Construction and Maintenance Restrictions (Value) – ROW	16.5%
Index of Proximity to Existing 500 kV Lines	29.5%
Accessibility	16.5%
Costs ¹	33.0%
Existing Transmission Line Crossings (#)	4.5%

20

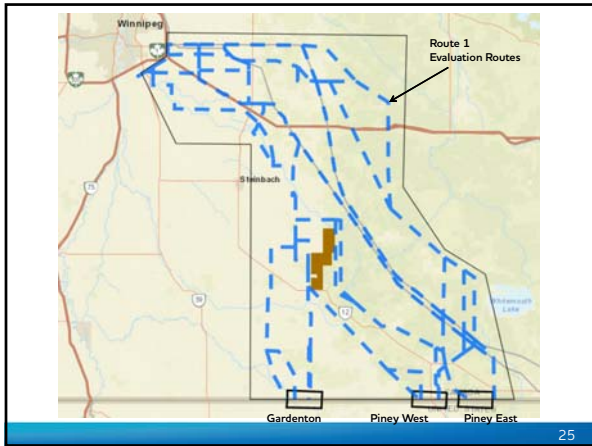
PREFERENCE DETERMINATION MODEL		
Criteria	Percent	Description
Cost	40%	Cost was based on high-level construction cost estimates used for relative comparison, defined in the alternative route evaluation criteria (values do not represent actual cost estimates for the Project).
Community	30%	Input received from the public and First Nation and Metis engagement processes.
Schedule Risks	5%	Includes consideration of the need for additional approvals, seasonality of construction, overall level of complication expected that could result in delays.
Environment (Natural)	7.5%	Consideration of the natural based statistics from the alternative route evaluation criteria, further interpretation by the Project team and additional information not captured by the criteria that can inform the relative potential effect on the natural environment of different route alternatives.
Environment (Built)	7.5%	Consideration of the built statistics from the alternative route Evaluation criteria, further interpretation by the Project team and additional information not captured by the criteria that can inform the relative potential effect on the built environment of different route alternatives.
System Reliability	10%	Proximity of the route to existing 500 kV lines. Informed by considering the statistic calculated during route evaluation (index of proximity), as well as the number of crossing points with other high voltage transmission lines

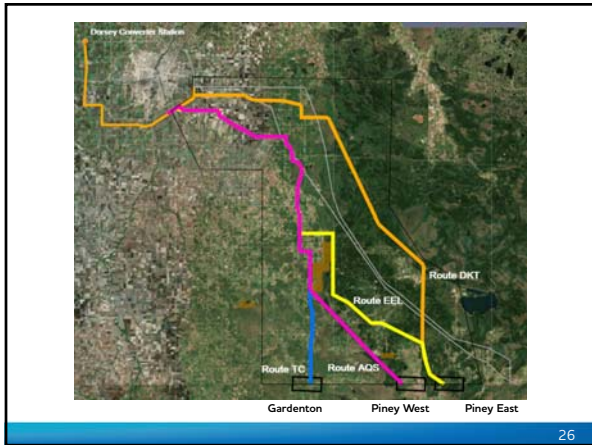
21

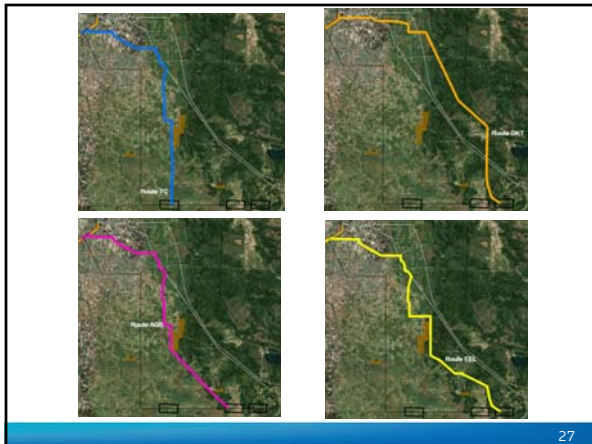






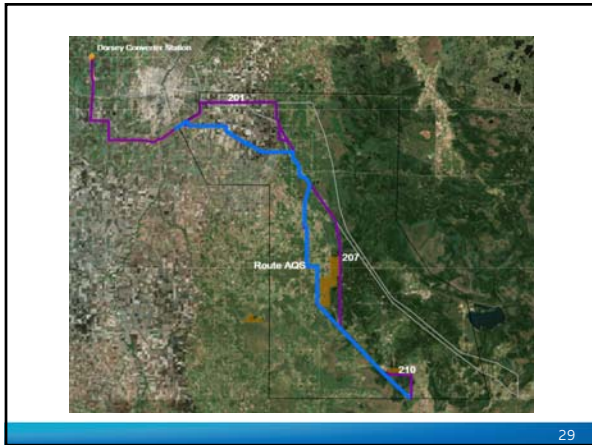








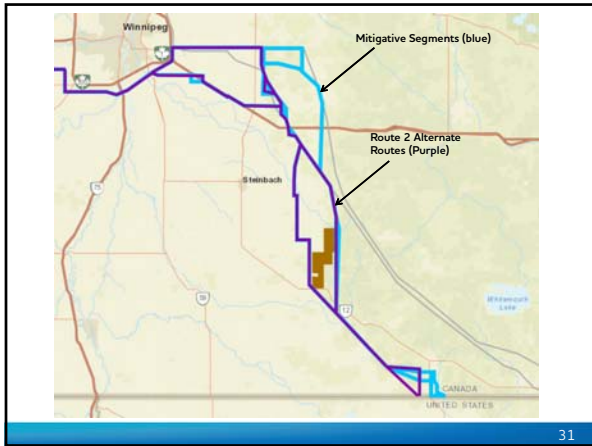
28

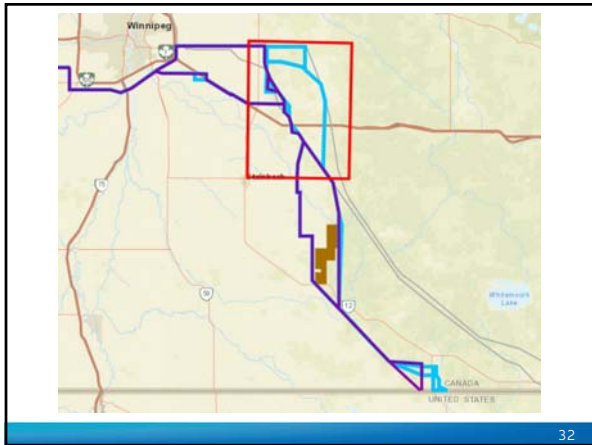


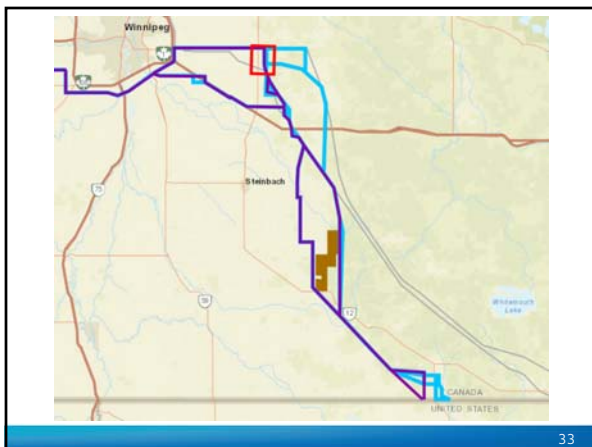
29

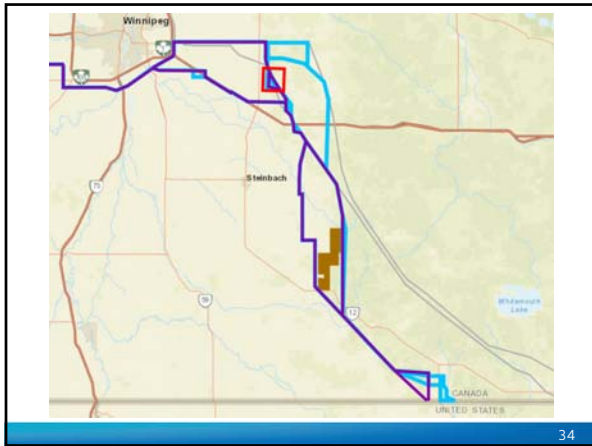


30

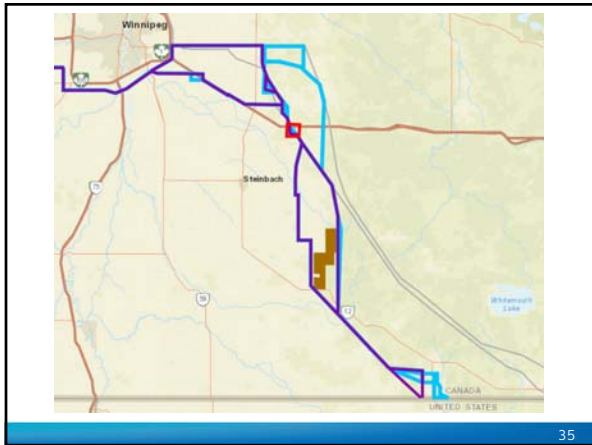




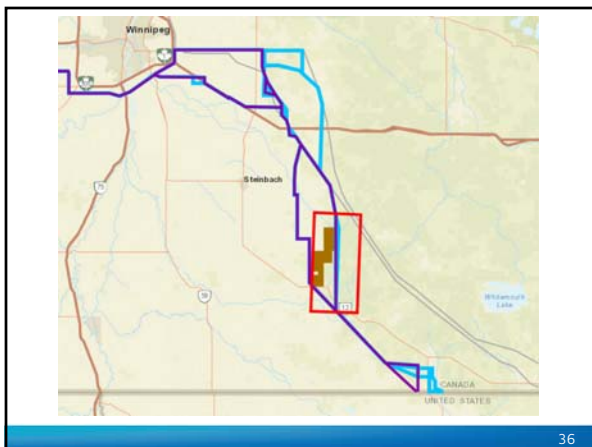




34



35



36

