



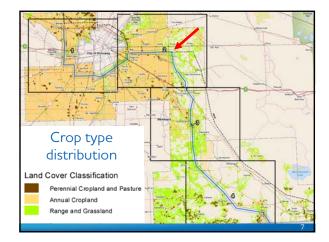


Opportunities for engagement

- •Pre-project stakeholder workshops
- Public open houses
- Community meetings
- •Targeted meetings (e.g., HyLife, Maple Leaf)
- •Landowner Information Centres
- •Aboriginal Traditional Knowledge
- •Key Person Interviews

Routing Phase	Criteria
Alternative Corridor Model	 Proposed developments Agricultural capability Crop types (annual, hayland, pasture) Artisanal farms, organic farms, sod production Irrigated land Intensive livestock operations Aerial application areas
Alternative Route Evaluation Model	 Agricultural capability Current land use (crop vs. forage/hay) Proximity to intensive hog operations Proximity to agricultural buildings (barns, storage, etc) Diagonal crossings of high capability lands

Routing Phase Criteria
Alternative Corridor Model Alternative Corridor Model - Proposed developments - Agricultural capability - Crop types (annual, hayland, pasture) - Artisanal farms, organic farms, sod production - Irrigated land - Intensive livestock operations - Aerial application areas
Alternative Route Evaluation Model • Agricultural capability • Current land use (crop vs. forage/hay) • Proximity to intensive hog operations • Proximity to agricultural buildings (barns, storage, etc)



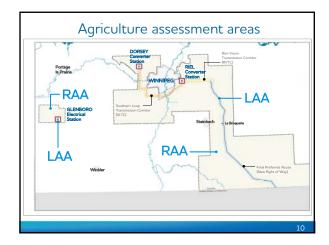


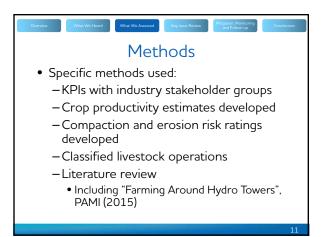
Four types of compensation

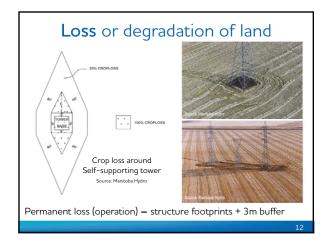
- 1. Land compensation
- 2. Construction damage compensation
- 3. Structure impact compensation
- 4. Ancillary damage compensation

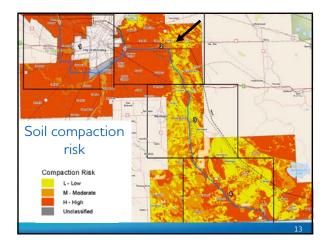


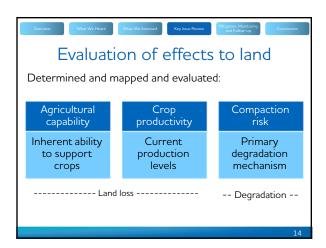
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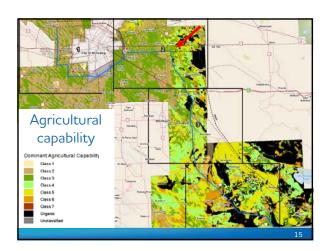


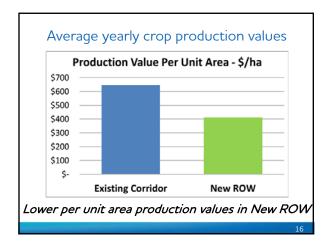






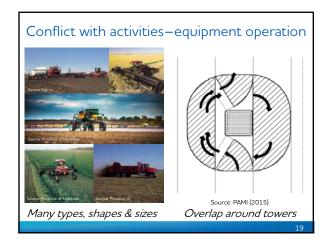


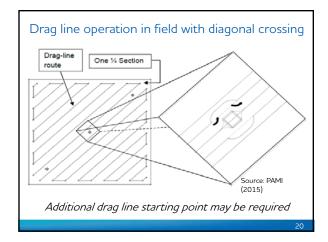


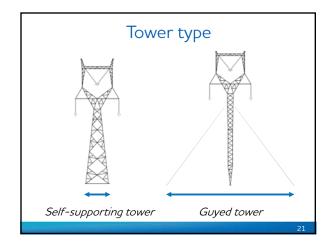




Key findings — effects to land New ROW areas — lower agricultural capability, crop production value, compaction risk Avoided agricultural buildings — 6 buildings within Existing Corridor PDA; 0 in New ROW PDA Temporary land loss expected to last ≤2 growing seasons — Existing corridor — 1,637 ha — New ROW — 331 ha — Glenboro South Station — 6 ha Permanent land loss area — 11.7 ha (0.4% of PDA) Compaction risk is an important consideration — 67% of the PDA rated as High



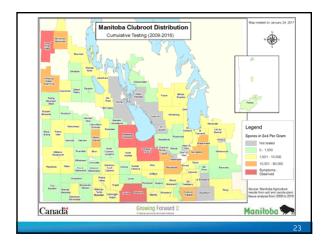




Key findings - equipment operation

- New ROW outside of primary aerial application area
- Small amount (4.6 km) of diagonal crossing in annual cropland within New ROW
- Project effects will be limited to:
 - PDA for some types of conflicts (e.g., ground operations for seeding, harvesting, pesticide application)
 - LAA for others (e.g., aerial application of pesticides, drag hose manure application)
- 20 hog & dairy operations in LAA

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Key mitigations cropland biosecurity

• Manitoba Hydro Biosecurity
policy and SOP

- Clean equipment before and after field access

- Limiting equipment to PDA & existing access

• Sampling fields for biosecurity

- Per discussion with MB Agriculture





Key findings – livestock health Biosecurity program will control contact with livestock Route avoids the elk area in Manitoba Research indicates no adverse effects on the health of livestock due to magnetic or electric fields (or audible noise) - closest dairy operation approximately 140 m from ROW Stray voltage concerns will be investigated by Manitoba Hydro - determine cause and action will be taken if required

Cumulative effects

- Past projects have resulted in land loss and conflict
- 52% of the RAA is under agricultural cropping
- 2.5% is considered otherwise developed
- Planned projects will have additive effects:
 - transmission projects
 - Energy East Pipeline Project
 - residential development; and
 - transportation projects

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Cumulative effects — key findings • Future planned projects will remove <500 ha within RAA — <0.2% of 445,249 ha of agricultural land in the RAA — Project's contribution will be small (2% of overall) • Combined effect will be adverse but is not anticipated to impair the capacity of agriculture in the RAA — agriculture anticipated to continue at or near preproject disturbance levels

Monitoring & follow-up • Pre-construction sampling for crop biosecurity in fields traversed • Post-construction monitoring - compaction & rutting - crop performance monitoring • Reclamation/rehabilitation of damage - including soil compaction and tile drainage systems • Site-specific issues to be evaluated as required • Dedicated landowner liaisons

Summary and conclusions • Routing and design limited effects to agriculture • Temporary land loss will last ≤ 2 growing seasons • Small amount of land removed from production • Mitigation & environmental protection will be implemented
Compensation designed to offset residual effects
Project residual and cumulative effects are considered to be not significant Source Manufact Hydro 31