Hydro Québec
TransÉnergie

Project Agent
Hydro Québec
Équipement et
services partagés

161/25-kV ᐧᐋᐦᑯᓂᑮ ᓈᐸᐢᑌᐃᔑᓐ ᑲᔦ 161-kV ᓂᒥᐢᑮᐅᔥᑯᑌᐅᔮᐲ

ᐋᐸᑎᓰᐤ ᑎᐹᒋᒧᐧᐃᓐ • ᐧᐋᐱᑯᓂᐲᓯᒻ 2010

ᒋᑳ ᒋᐦᒋᐸᔫ ᐙᐸᑎᓰᐧᐃᓐ ᐆ ᑫ ᓃᐱᐦᐢ ᐊᓂᑌ 161/25-kV ᐧᐋᐦᑯᓂᑮ ᓈᐸᐢᑌᐃᔑᓐ (ᒥᐢᑎᓯᓃ ᓈᐸᐢᑌᐃᔑᓐ ᑳ ᑮ ᐃᔑᓂᐦᑳᑌᐠ) ᑲᔦ 46-km ᓂᒥᐢᑮᐅᔥᑯᑌᐅᔮᐲ ᐁᑯ ᒫᒃ ᑫ ᐋᓂᐢᑯᑖᐹᐦᑎᑖᑲᓅᐧᐃᐦᐠ ᐊᓂᐨ ᐁ ᐅᐦᒋ ᐋᓭᐸᔥᐦᑖᑲᓅᐧᐃᐦᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᐤ᙮ "ᐋᐃᑎᕉ-ᑯᐯᑉ ᑎᕃᓐᐢᐁᓂᕐᒌ ᒌ ᒥᔮᐅᐠ ᐋᐸᑎᓰᐧᐃᓂᔫ ᐊᓂᔫᐦ "ᐋᐃᑎᕉ-ᑯᐯᑉ ᐁᑮᑉᒪ ᑫ ᒌ ᐱᒥᐸᔨᐦᑖᐧᑖᐤ, ᐁᔫᑯ ᒫᒃ ᐅᔫ ᑫ ᒋᐦᒋᐸᔨᐦᑖᐧᑖᐤ ᐋᐸᑎᓰᐧᐃᓂᔫ ᐊᓂᔫ ᐁ ᑐᐧᐃᑲᐦᐄᑳᓅᔨᐠ᙮

ᐊᓐ ᐁ ᐅᔥᑳᐠ ᓈᐸᐢᑌᐃᔑᓐ ᑲᔦ ᓂᒥᐢᑮᐅᔥᑯᑌᐅᔮᐲᐦ ᒋᑳ ᐃᑖᐹᑲᒨᐦ ᐊᓂᑌ ᐄᓅ ᐃᐦᑖᐧᐃᓐ ᒥᐢᑎᓯᓃ, ᐁᐅᑯ ᐊᓐ ᐃᐦᑖᐧᐃᓐ ᐊᓂᑌ ᑫᐃᒥᐢ ᐯᐃ ᐊᐢᒌᐦᐠ ᑳ ᐃᐦᑎᑯᐦᐠ, ᐁᑯ ᒫᒃ ᑫ ᐃᑖᐹᑲᒧᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᐅᔮᐲ ᐊᓂᑌ ᐃᐦᑖᐧᐃᓂᐦᐠ᙮ ᐆ ᐙᐸᑎᓰᐧᐃᓐ, ᐁᐅᑯ ᐊᓐ ᑫ ᒦᔥᑯᑎᓅᐦᑖᑲᓅᐧᐃᐦᐠ ᐊᓂᐨ ᒉᐧᑳᐠ ᐁ ᐅᐦᒋ ᐃᑖᐹᑲᒧᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᐤ, ᐁᐅᑯ ᐊᓐ ᒉᐧᑳᐠ ᐁ ᓃᔑᐦᐧᑳᐤᐦ 25-kV ᓂᒥᐢᑮᐅᔥᑯᑌᐅᔮᐲᐦ ᐅᐦᒋ ᐊᓂᑌ ᓚᐳᑲᒨ ᐁ ᐅᐦᑎᑖᐹᑲᒨᐦᐧᑳᐤᐦ, ᐁᑯ ᒫᒃ ᑏᑯᐠ ᐊᓐ ᑫ ᐅᔑᐦᑖᑲᓅᐧᐃᐦᐠ ᐁ ᐅᔥᑳᐠ 161/25-kV ᓈᐸᐢᑌᐃᔑᓐ ᑫ ᒋᒥᑖᐠ ᐯᓭᐠ ᐊᓂᑌ ᐃᐦᑖᐧᐃᓂᐦᐠ᙮

ᐆ ᐧᐁᐦᒋ ᐱᒥᐸᔨᐦᑖᑲᓅᐧᐃᐦᐠ ᐙᐸᑎᓰᐧᐃᓐ, ᐁᐅᑯ ᐊᓐ ᐁᑳ ᑫ ᒌ ᐴᓂᐸᔨᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᐤ ᐁ ᐃᐢᐸᔨᐦᐠ ᐊᓂᑌ ᒥᐢᑎᓯᓃᐦᐠ ᑲᔦ ᑫ ᒌ ᐃᔥᐱᔑ ᐸᒋᐢᑎᓈᑲᓅᐧᐃᐦᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᐤ ᐁ ᐃᔥᐱᔑ ᓂᑐᐧᐁᔨᐦᑖᑲᓅᐧᐃᐦᐠ, ᐧᐁᔥ ᐧᐁᑖᐠ ᒌ ᓂᑐᐧᐁᔨᐦᑖᑯᓐ ᓂᒥᐢᑮᐅᔥᑯᑌᐤ ᐅᑌ ᐄᔑ ᐯᒋ ᐅᑖᐦᐠ᙮ ᐁᐅᑯ ᑲᔦ ᑫ ᐃᐦᑑᑕᐦᐠ "ᐋᐃᑎᕉ-ᑯᐯᑉ ᐊᓂᔫ ᑳ ᐄᔑ ᐋᓭᑕᒫᑫᐨ ᐁᑎᑑ ᑫ ᒌ ᒥᔦᐸᔨᓂᔨᐠ ᐁ ᐄᔑ ᐋᐸᒋᐦᑖᑲᓅᔨᐠ ᓂᒥᐢᑮᐅᔥᑯᑌᔫ ᐊᓂᑌ ᐃᐦᑖᐧᐃᓂᐦᐠ᙮

ᒌ ᒥᔮᑲᓅ "ᐋᐃᑎᕉ-ᑯᐯᑉ ᒪᓯᓇᐦᐄᑲᓂᔑᔫ ᐅᐦᒋ ᐊᓂᑌ ᑎᐯᔨᐦᒋᑫᔫ ᑳ ᓅᓈᑲᒋᐦᑖᐨ ᐁ ᐅᔑᐦᑖᑲᓅᐧᐃᐦᐠ ᒉᐧᑳᓐ, ᐊᐢᒌ ᑲᔦ ᐊᓐ ᐊᐢᒌ ᐁ ᑲᓅᐧᐁᔨᐦᑖᑲᓅᐧᐃᐦᐠ ᐁᑯ ᒫᒃ ᐁ ᐸᒋᐢᑎᓈᑲᓅᐧᐃᐨ ᑫ ᒌ ᐙᐸᑎᓰᐨ ᐊᓂᑌ II ᑲᔦ III ᑳ ᐃᑎᓯᓈᑌᔨᐠ ᐊᐢᒌᔫ, ᑲᔦ ᒌ ᒥᔮᑲᓅ ᒪᓯᓇᐦᐄᑲᓂᔑᔫ ᐅᐦᒋ ᐊᓂᑌ ᒥᐢᑎᓯᓃ ᐅᒋᒫᐦᑳᓐ ᐙᐸᑎᓰᐧᐃᓐ ᐊᓂᔫ ᑫ ᒌ ᐙᐸᑎᓰᐨ ᐊᓂᑌ I ᑳ ᐃᑎᓯᓈᑌᔨᐠ ᐊᐢᒌᔫ ᐊᓂᑌ ᒥᐢᑎᓯᓃᐤ ᐊᐢᒌᐦᐠ᙮

ᒑᓐ ᒉ ᐊᑕ ᐃᔑᓈᑯᐦᒡ

161/25-kV ᐧᐋᐦᑯᓂᒌ ᓵᐹᔅᑌᐃᔑᓐ

- ᒑᓂᕐ: ᑎᐦᑐ ᐊᔅᒌᐤ ᑎᐱᐦᐋᑲᓐ ᔑᐧᐊᓂᐦᒡ ᐅᐦᒋ ᐊᓂᑦ ᐁ ᐋᔥᑑᓈᒧᐦᒡ ᒣᔅᑲᓅᐦ ᒥᔅᑎᓯᓃᐦᒡ ᑳ ᐃᑎᒧᒡ ᑲᔦ ᐊᓐ ᒣᔅᑲᓅ 167 ᑳ ᐃᑎᓯᓈᑌᒡ (ᐅᓵᐧᐁᐤ ᓲᐱ ᐃᑌᐦᒉ)
- ᐁ ᐃᔐᐱᔒᒡ ᐊᔅᒌ: 110 m ᑲᔦ 140 m
- ᓃᔓ 22.5-MVA ᓂᒥᔅᒌᐅᔥᑯᑌᐅᐧᐃᑦᐦ ᑎᕖᓐᔅᐧᕓᕐᒥᔅ ᑳ ᐃᔑᓂᐦᑳᑌᐦᐧᑳᐤᐦ
- ᐯᔮᑦ 161-kV ᐁ ᐅᐦᒋ ᐋᓈᐸᔐᐦᒑᑲᓄᐧᐃᐦᒡ ᓂᒥᔅᒌᐅᔥᑯᑌᐤ ᓱᐧᐃᒡᐲᕐ ᐯᐃ ᑳ ᐃᔑᓂᐦᑳᑌᒡ
- ᓃᔓ 25-kV ᐃᑎᕐ ᐯᐃ ᑳ ᐃᔑᓂᐦᑳᑌᒡ (ᐁᐅᑦ ᐊᓐ 5 ᒉ ᒌ ᐃᐦᑎᑯᐦᐧᑳᐤᐦ)
- ᓃᐧᔒᐤ 12-MVar ᑳᐹᓯᑎᕐ ᐹᐃᓐᑊ ᑳ ᐃᔑᓂᐦᑳᑌᒡ
- ᐧᐋᔅᑳᐦᐋᑲᓐ ᐊᓂᑦ ᒉ ᐅᐦᒋ ᐱᒥᐸᔐᐦᒑᑲᓄᐧᐃᐦᒡ ᒉᐧᑳᓐ

161-kV ᓂᒥᔅᒌᐅᔥᑯᑌᐅᔮᐲ

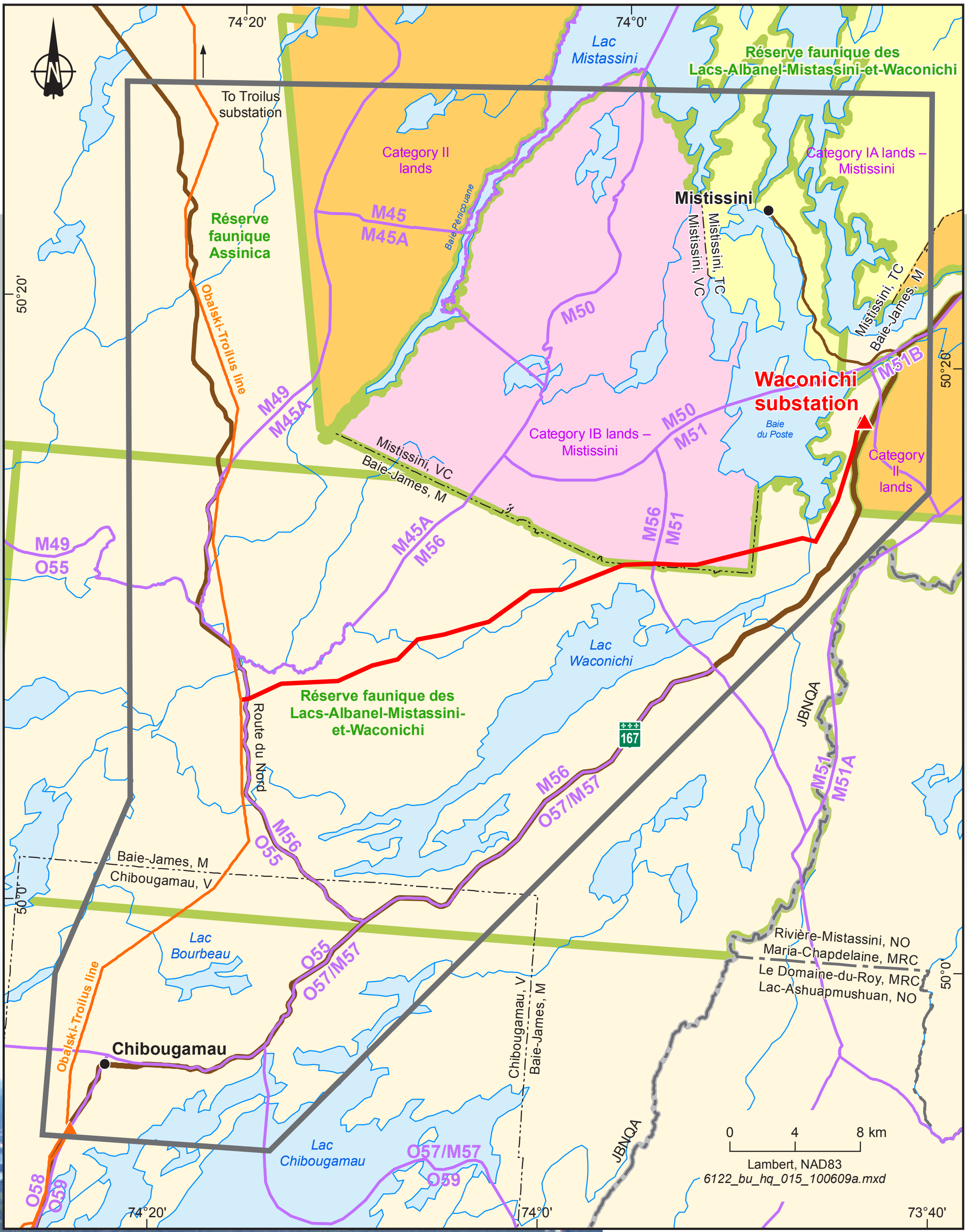
- ᐁ ᐃᔅᐧᑳᐹᑳᐦᒡ: 46 km
- ᐁ ᐃᔥᐱᔑ ᐃᔥᑲᔥᑳᒡ: 35 m
- ᐁ ᐅᐦᒋ ᒋᐦᒋᐸᔥᒡ: ᐅᐹᓪᔅᑆ-ᑎᐧᕍᔥᓚᔅ ᓂᒥᔅᒌᐅᔥᑯᑌᐅᔮᐲ ᒋᑳ ᐅᐦᒋ ᐋᓂᔅᑯᑖᐹᐦᑎᑖᑲᓅ
- ᐁ ᐅᐦᒋ ᐧᐊᓂᔅᐧᑳᒡ: ᐧᐋᐦᑯᓂᒌ ᓵᐹᔅᑌᐃᔑᓐ
- ᒉᑦ ᐊᐱᓬᐃᐦ ᒉ ᐋᐸᑎᐦᐧᑳᐤᐦ: ᒥᔥᑎᑦ ᐊᐱᓬᐃᐦ H ᑳ ᐃᔑᓈᑯᐦᐧᑳᐤᐦ ᒉ ᒌ ᒋᑲᒧᒡ ᐊᓐ 161 kV ᓂᒥᔅᒌᐅᔥᑯᑌᐅᔮᐲ
- 161-kV ᐁ ᓂᔥᐧᒑᐹᑲᒧᐦᐧᑳᐤᐦ ᓂᒥᔅᒌᐅᔥᑯᑌᐅᔮᐲᐦ ᓂᔥᑐ-ᐯᐃᔅ ᑳ ᐃᔑᓂᐦᑳᑌᒡ ᐊᓐ ᐁ ᐯᔮᑯᐦᒡ ᓯᕐᑲᑦ ᑳ ᐃᔑᓂᐦᑳᑌᒡ

ᒉ ᐃᔥᐱᔑ ᐱᒥᐹᔐᐦᒡ ᐋᐹᑎᓰᐧᐃᓐ

ᐁ ᑐᐧᐃᑲᐦᐋᑳᓄᐧᐃᐦᒡ	ᐁ ᓃᐱᐦᒡ 2010 –	ᐁ ᑕᐧᑳᒋᐦᒡ 2010
ᐁ ᐅᔑᐦᒑᑲᓄᐧᐃᐦᒡ ᒉᐧᑳᓐ	ᐁ ᓃᐱᐦᒡ 2010 –	ᐁ ᑕᐧᑳᒋᐦᒡ 2011
ᐅᔥᑲᒡ ᐁ ᐋᐸᒋᐦᒑᑲᓄᐧᐃᐦᒡ		ᐁ ᑕᐧᑳᒋᐦᒡ 2011

ᐧᐋᐦᑯᓂᒌ ᓵᐹᔅᑌᐃᔑᓐ ᐁ ᐃᐦᑎᑯᐦᒡ

ᒣᐧᑳᒡ ᐊᓂᑦ ᐁ ᐃᐦᑎᑯᐦᒡ



ᒋ ᐲᔑ ᒫᒦᓄᐦᐲᑲᓄᐧᐃᐦᒡ ᒋᐙᓐ

ᓇᒧᐃ ᓈᔅᒡ ᐯᔓᐁᔨᐦᑖᑲᓅ ᒋ ᐧᐋᓈᒥᐦᑖᒋᐸᔨᐦᒡ ᐆ ᐋᐸᑎᓰᐧᐃᓐ᙮ ᔮᔨᑌ ᒋᑳ ᓈᓈᑲᒥᐦᑖᐤ ᐦᐋᐃᑎᐲ-ᑯᐯᒃ ᐊᓂᔩ ᒋ ᐃᐦᑎᓈᓅᔨᒡ ᒋ ᐅᐦᒋ ᒫᒦᓄᐦᐲᑲᓄᐧᐃᐦᒡ ᒋᐙᓐ ᐊᓂᔩ ᒋ ᒥᔮᑦ ᐁ ᐲᔑ ᐧᐲᓯᓈᑌᔨᒡ ᒪᓯᓇᐦᐲᑲᓂᔩ ᐊᓂᔩᐦ ᒋ ᐱᒥᐸᔨᐦᑖᔨᒡᐦ ᐋᐸᑎᓰᐧᐃᓂᔩ ᑲᔦ ᒋᑳ ᒪᓯᓇᐦᐊᒻ ᒪᓯᓇᐦᐲᑲᓂᔩ ᒋ ᐅᐦᒋ ᒋᔅᒋᓄᐧᐋᐱᐦᑖᑲᓄᐧᐃᐦᒡ ᑖᓐ ᒋ ᐲᔑ ᓈᓈᑲᒥᐦᑖᑲᓄᐧᐃᐦᒡ ᐊᔅᒌ᙮ ᒋᑳ ᐃᐦᑖᐤ ᐦᐋᐃᑎᐲ-ᑯᐯᒃ ᐋᐸᑎᓰᓯᐤ ᒉᐧᑳᒡ ᐊᓐ ᐁ ᐋᐸᑎᓰᓈᓄᐧᐃᐦᒡ ᐁᑯ ᒫᒃ ᒋ ᒋᔥᑎᓈᐦᐅᑦ ᐁ ᓈᓈᑲᒥᐦᑖᑲᓅᔨᒡᐦ ᐊᓂᔩᐦ ᒋᔅᒋᓄᐧᐋᐱᐦᒌᐧᐁᐧᐃᓐ ᐅᐦᒋ ᐊᓐ ᐊᔅᒌ ᐁ ᓈᓈᑲᒥᐦᑖᑲᓄᐧᐃᐦᒡ᙮

ᐁᑎᑑ ᒉ ᒌ ᐅᐦᒋ ᓂᑑᒋᔅᒉᔨᐦᑕᒉᐧ

ᐁᑎᑑ ᒉ ᒌ ᐅᐦᒋ ᓂᑑᒋᔅᒉᔨᐦᑕᒉᐧ ᒉᐙᓐ ᐅᐦᒋ ᐆ ᐋᐸᑎᓰᐧᐃᓐ, ᐧᒫᐤ ᒉ ᐊᔨᒥᐦᐁᐦᑴ:

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