

Transmission Planning Dashboard

2026 Q1

9

Active Integrated
Regional Resource Plans

6

Active Bulk Plans

1,800 km

New High Voltage Transmission
Lines Being Implemented



Regional Planning



Bulk Planning



Planning
Recommendations

Legend

- Transmission boundaries
- Anticipated transmission projects

Watawaney Power

Waukegan Transmission Line

Porcupine to Wawa

Mississauga

GTA to Dobbin

Dobbin Greenway Project

FETT Capacity Upgrade

West of London Area Reinforcements

Westland-Thornhill Power Line

East of London Area Reinforcements

Phase Angle Regulator Replacement

West of Chatham Area Reinforcements

Regional Planning Key Highlights

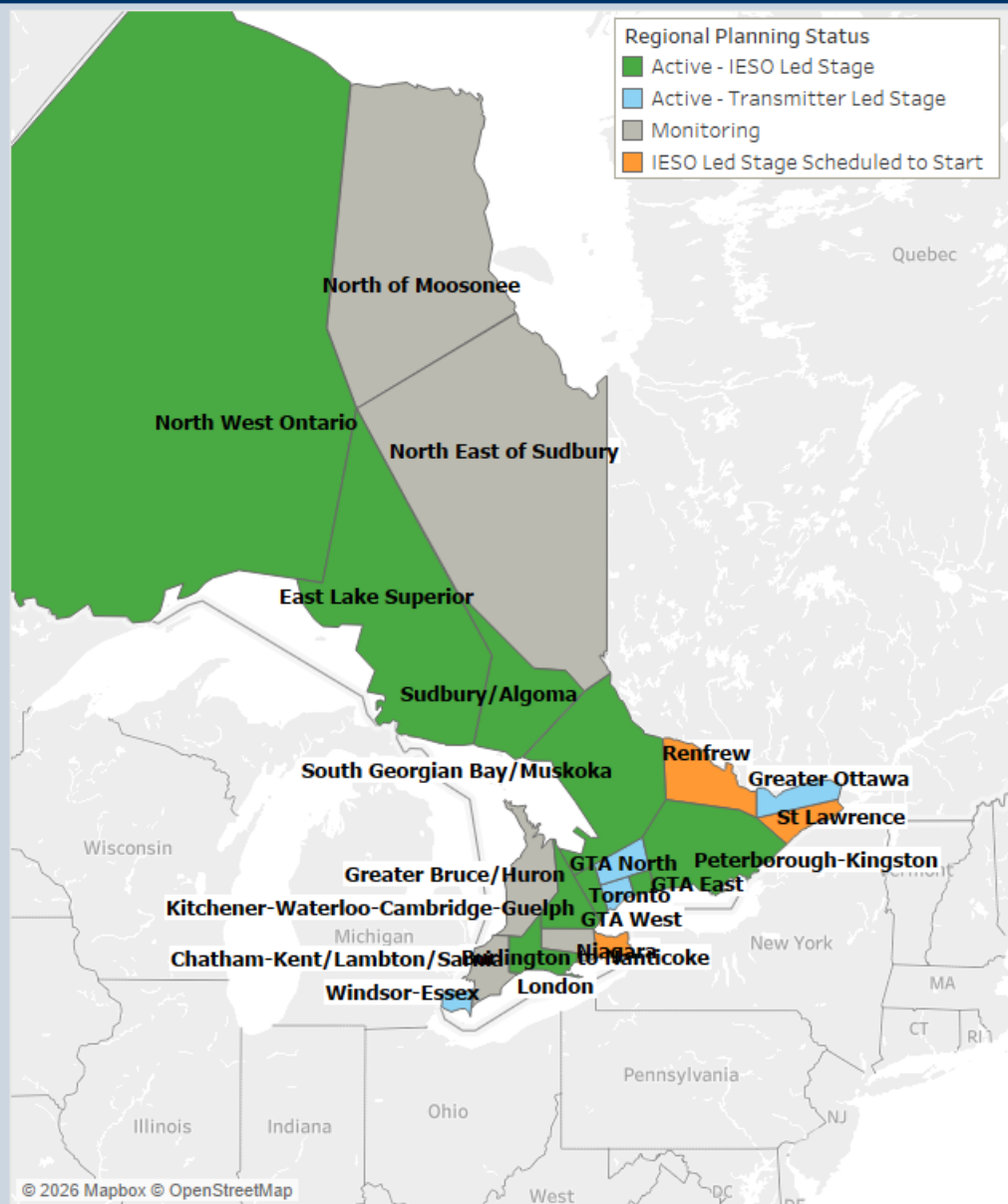
[Back to Main Page](#)

Regional Planning Status

There are **9 active IRRPs**. **0 regions** have recently completed a planning cycle in the last 6 months.

Electricity Demand Growth

Total electricity demand across all active regions is forecast to grow by approximately **5,000 MW by 2036**.



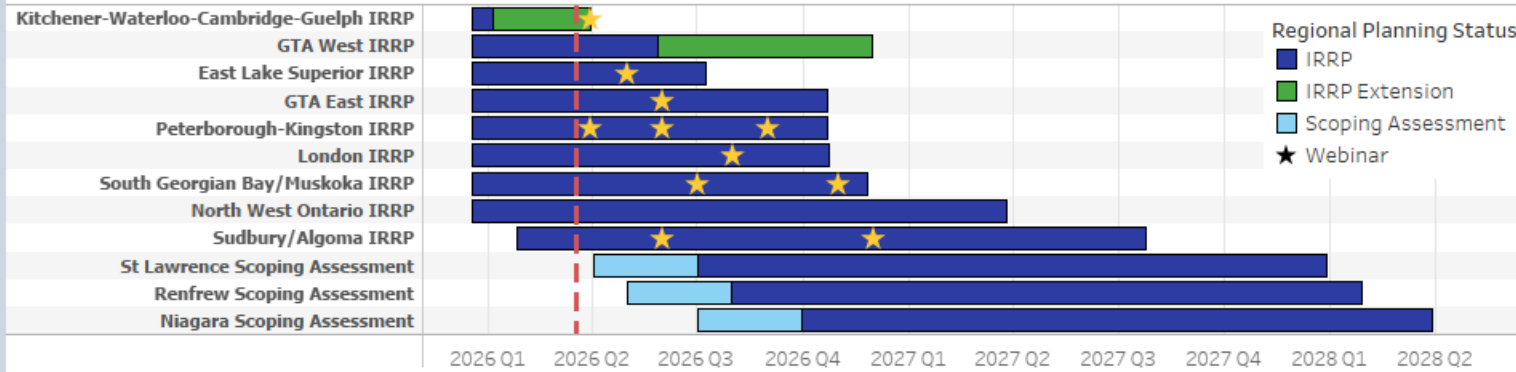
Scheduled Annual Technical Working Group Meetings

Region	Timing
Toronto	2026 Q2

IRRP Highlights	20-Year Forecast Growth (MW)	Driven by Population Growth	Driven by Economic Development	Driven by Decarbonization	Peaking Season Change	Active Bulk Plan Dependencies
East Lake Superior IRRP	400	✗	Yes - Manufacturing	✓	No - Winter	No Dependencies
GTA East IRRP	1,300	✓	Yes - Manufacturing	✓	Yes - Dual	South and Central
GTA West IRRP	2,800	✓	Yes - Data Centre	✓	Yes - Winter	South and Central
Hamilton IRRP - Addendum		✓	Yes - Data Centre, Steel Production	✓	-	Niagara
Kitchener-Waterloo-Cambridge-Guelph IRRP	1,700	✓	Yes - Data Centre	✓	Yes - Winter	South and Central
London IRRP	1,600	✓	Yes - EV manufacturing	✓	No - Summer	South and Central
North West Ontario IRRP	100	○	-	○	-	Northern
Peterborough-Kingston IRRP	700	✓	Yes - Data Centre, EV manufacturing	✓	Yes - Winter	Eastern
South Georgian Bay/Muskoka IRRP		○	-	○	-	South and Central
Sudbury/Algoma IRRP		✓	Yes - Data Centre, Steel Production	✓	-	No Dependencies

IESO-Led Regional Planning Timelines

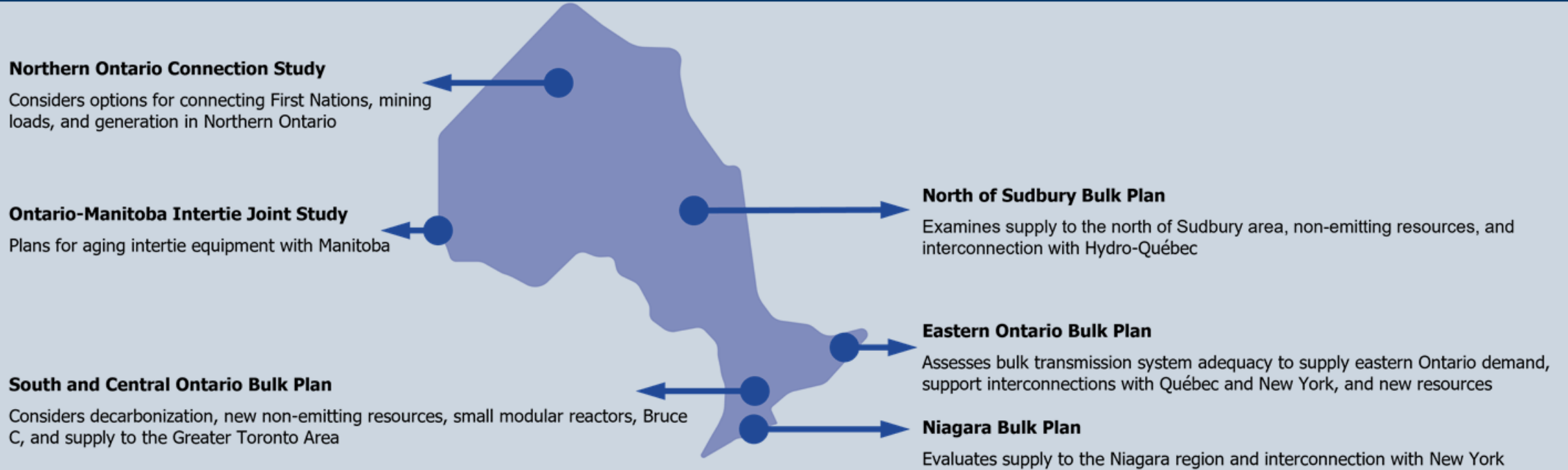
[Click here to view the Regional Planning Engagement Page](#)



Bulk Planning Key Highlights

Bulk Planning Status

There are **6 active bulk plans**.



Bulk Planning Timelines and Highlights

[Click here to view the Bulk Planning Engagement Page](#)

Active Regional Plan Dependencies

Study Name	Timeline	Active Regional Plan Dependencies
Eastern Ontario Bulk Study	2025 Q4 - 2026 Q2	✓
Niagara Bulk Study	2025 Q4 - 2027 Q2	✗
North of Sudbury Bulk Study	2025 Q4 - 2026 Q2	✗
Northern Connections Study Bulk Study	2025 Q4 - 2026 Q1	✗
Ontario-Manitoba Intertie Joint Study	2025 Q4 - 2026 Q2	✗
South and Central Bulk Study	2025 Q4 - 2026 Q2	✓

2025 Q4 2026 Q1 2026 Q2 2026 Q3 2026 Q4 2027 Q1 2027 Q2

■ Study Underway ■ Scheduled to Start ✗ No ✓ Yes

Major Transmission Recommendations In Progress

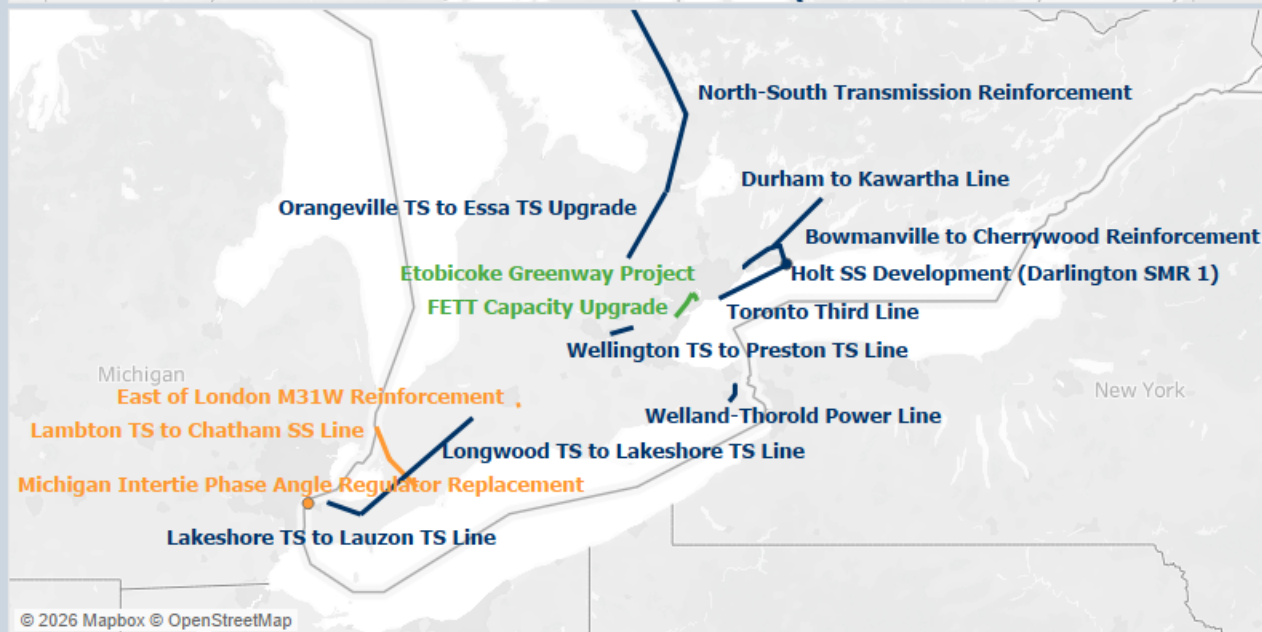
Major transmission recommendations include new high voltage transmission and station recommendations from bulk and regional plans, projects designated or likely designated as Priority Projects by government.

Recommended Transmission Lines

1,800 km of major new transmission lines are currently being implemented.

Recommended Transformer Stations

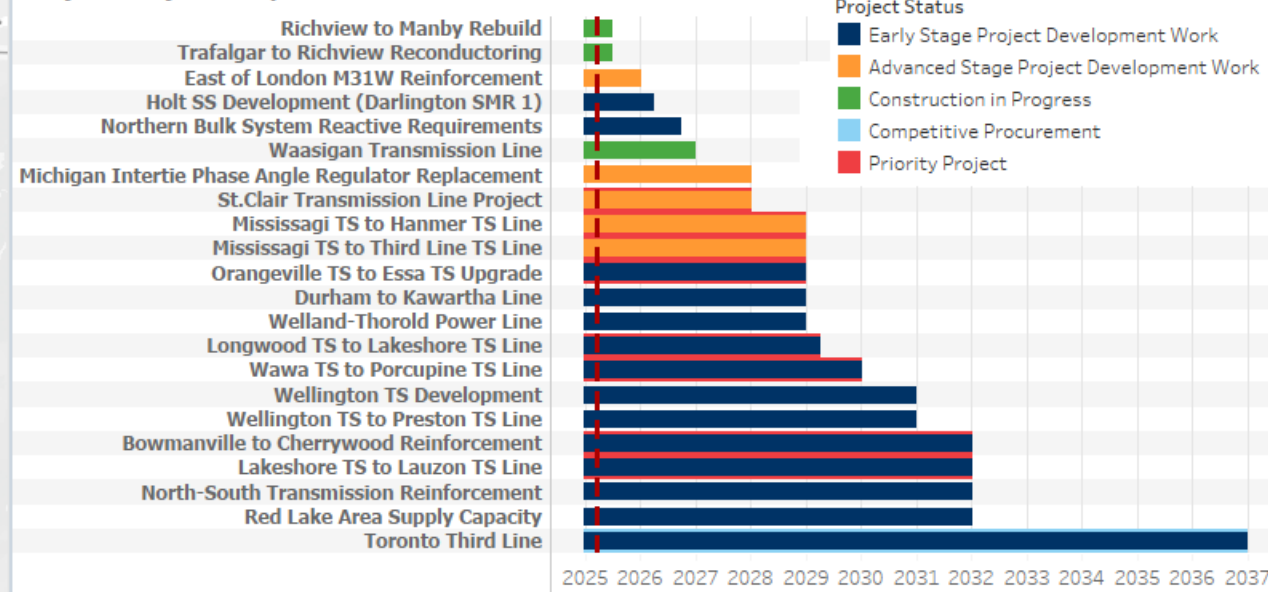
2 new major stations are currently being implemented.



Major Project Updates in Past 6 Months

- 14** Projects are still in the early stages of project development
- 5** Projects are under advanced stage of project development
- 3** Projects are under construction
- 0** Projects completed construction in the last 6 months
- 8** Projects are assigned as priority project

Major Project Implementation Timeline



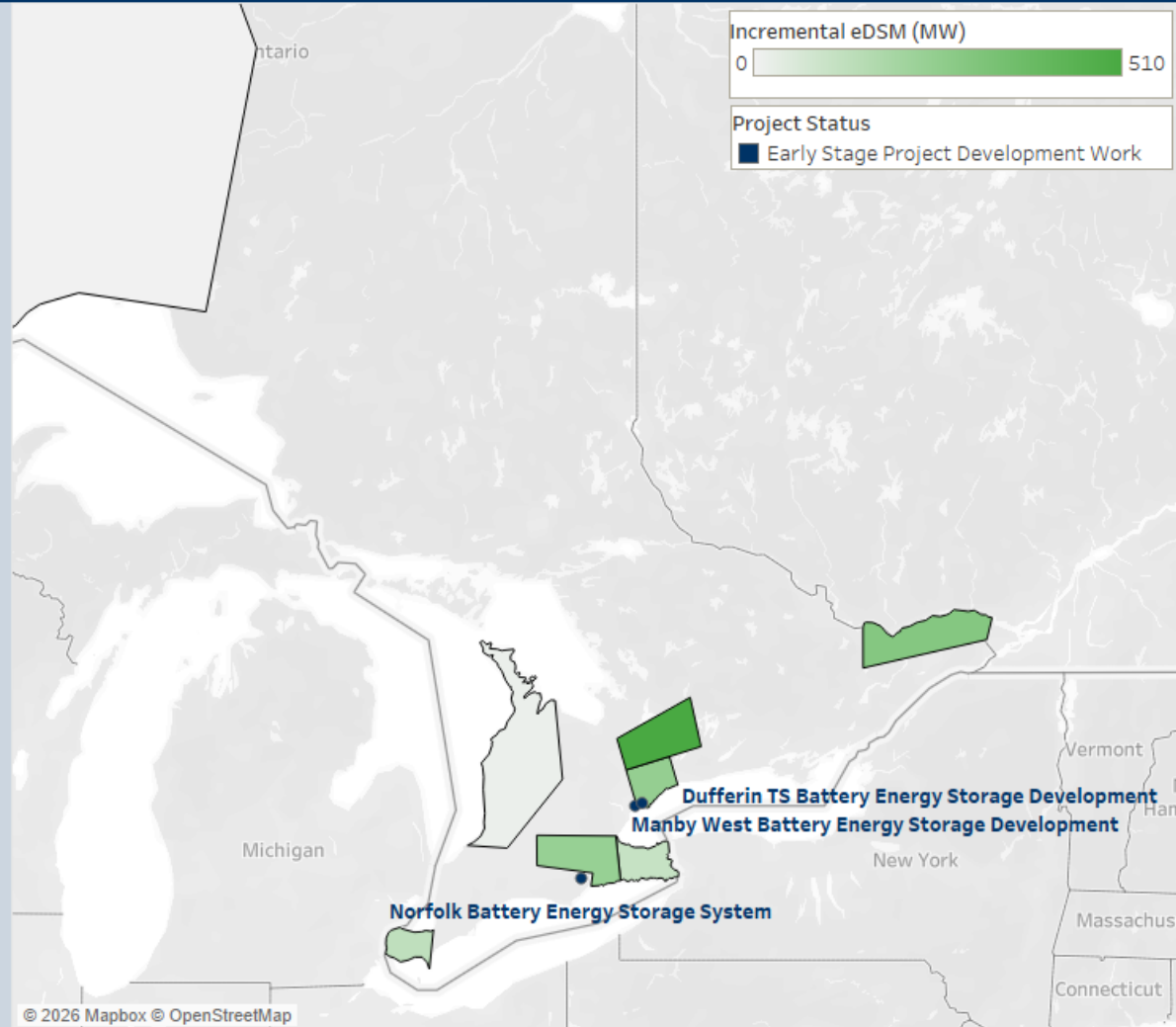
Non-Wires Alternative Recommendations In Progress

Local Resources

263 MW of battery storage recommended as non-wires solutions for local needs.

Additional Targeted Electricity Demand Side Management

1,288 MW of incremental peak eDSM savings recommended for local needs.



Incremental eDSM Recommendations

Region	Publication Year	eDSM Potential Year Ending	Total Incremental eDSM Recommended (MW)
Windsor-Essex	2025	2043	128
Toronto	2025	2041	249
North West Ontario	2025	2040	2
Niagara	2022	2041	109
GTA North	2025	2042	510
Greater Ottawa	2025	2042	297
Greater Bruce/Huron	2021	2038	16
Burlington to Nanticoke	2024	2038	240

Non-Wires Alternative Implementation Timeline

