

NOVEMBER 21, 2025

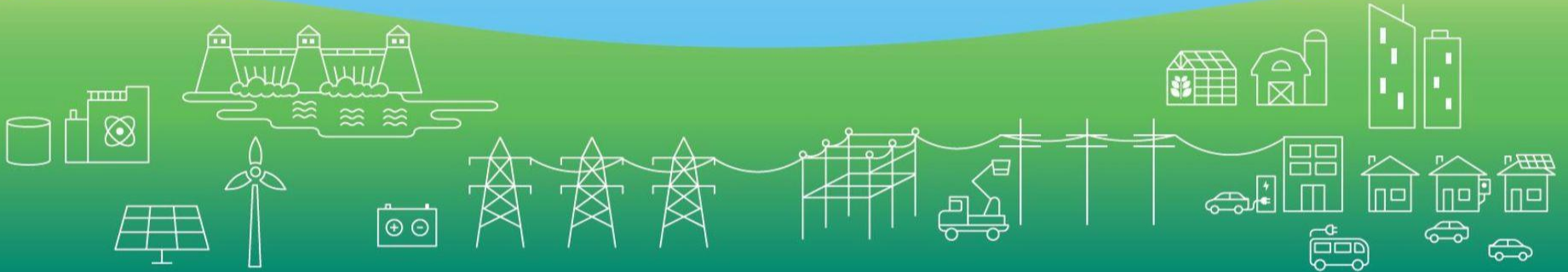
Envisioning Leeds & Grenville's Electricity Future

Kennan Ip, Senior Manager, Transmission Integration

Brian Gordon, Senior Manager, Regional & Community Engagement



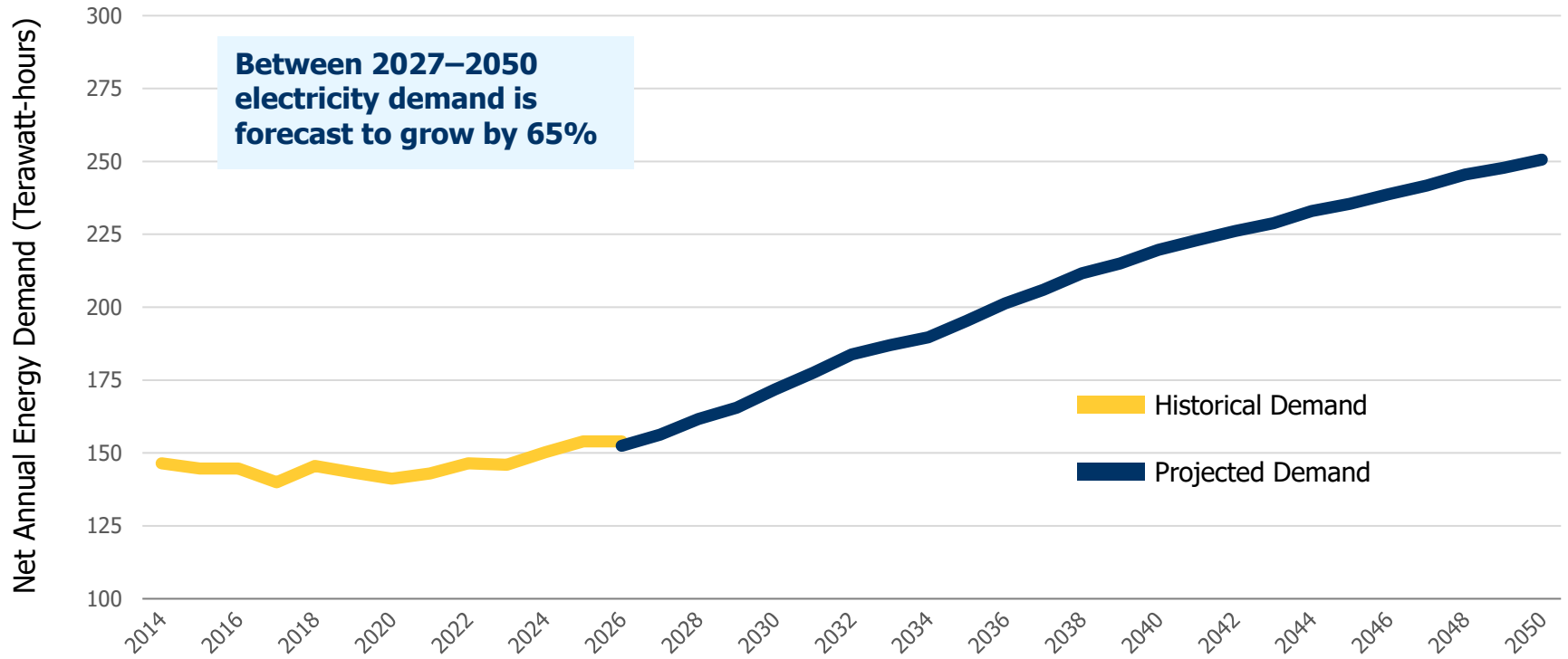
Connecting Today.
Powering Tomorrow.



We work with:



Demand Is Going Up: The Long-Term Outlook



Addressing Electricity Needs

Ontario's current electricity system cannot meet the demand projected for 2050. As our need for electricity grows, we must work together to ensure a reliable supply through a multi-pronged approach:



Largest energy storage procurement in Canada



More procurements on the way



Supporting the expansion of nuclear and transmission



New electricity trade agreement with Quebec



Expanded energy efficiency programs: [SaveOnEnergy.ca](https://www.saveonenergy.ca)



Several other initiatives are planned or underway

Communities Have an Important Role

Meeting these future needs starts now. Significant electricity system requirements are expected over the next decade, and municipalities and stakeholders play a critical role:



Informing electricity planning to ensure a reliable and adequate supply



Securing the province's energy future by ensuring the system is prepared for future needs



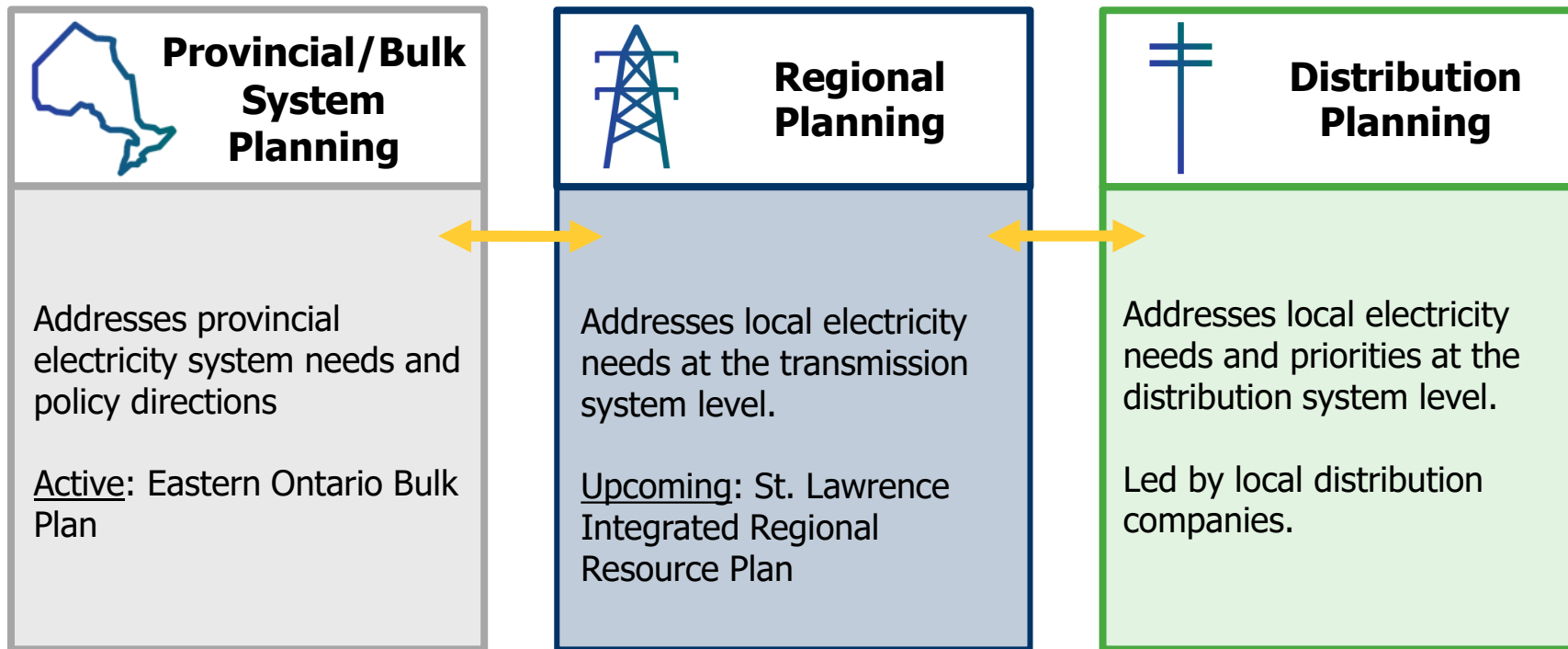
Hosting new generation, transmission, and storage resources



Working with sector stakeholders on approvals and building partnerships, where applicable

Learn more at ieso.ca/community

Electricity Planning in Ontario

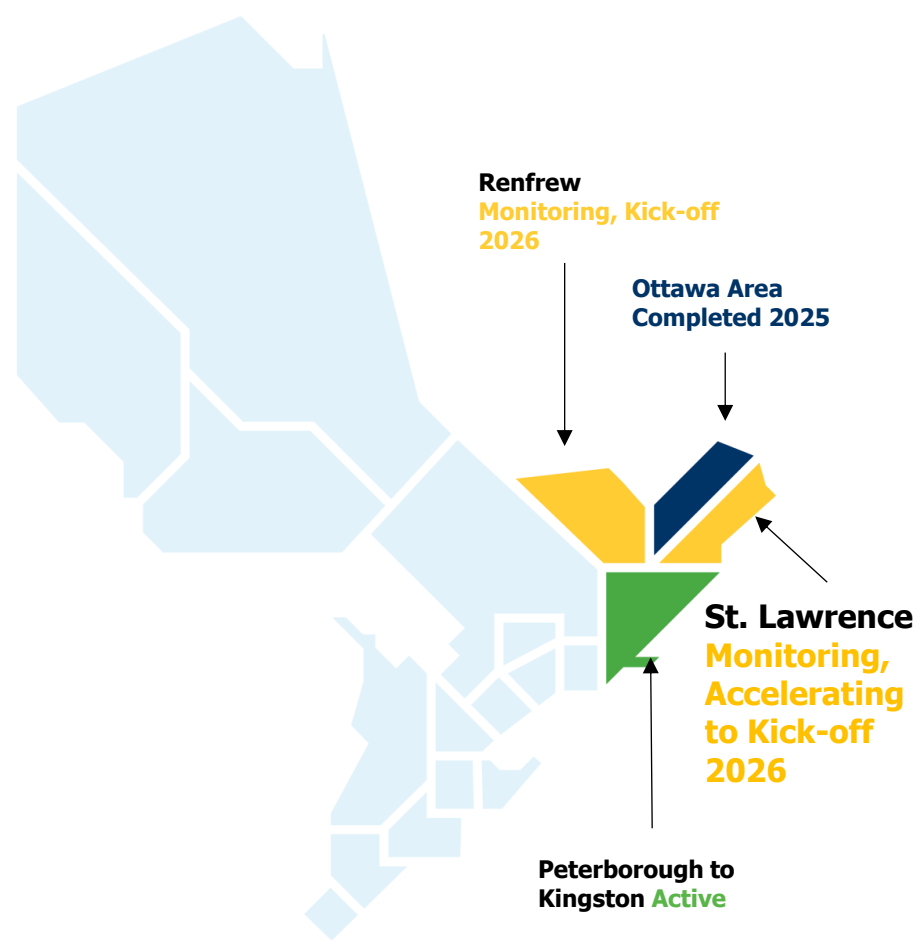


Regional Electricity Planning

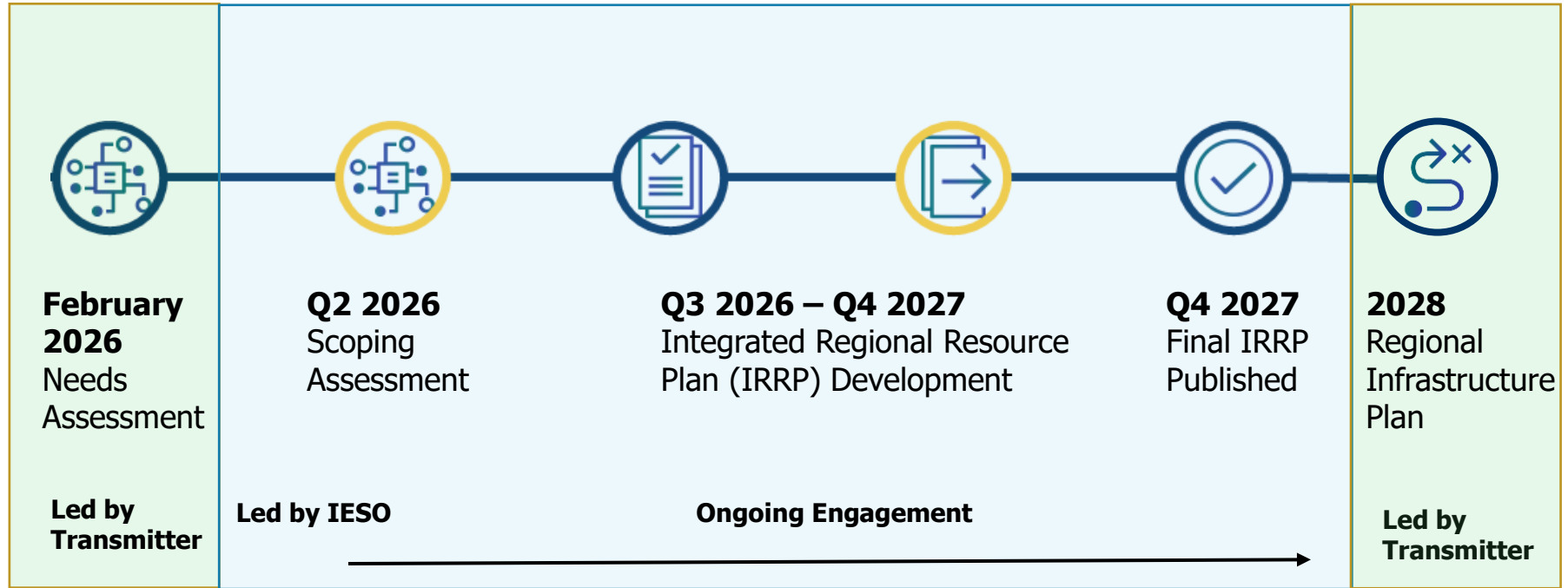
The regional system planning process ensures an affordable and reliable supply of electricity across Ontario. The process looks at the unique needs of each region and considers a range of options and resources to keep the lights on.

The regional plans are developed by a Technical Working Group, which includes the IESO, local distribution companies and the transmitter.

Engagement and outreach are a key part of this work.



Expected St. Lawrence Regional Planning Timeline



**The Regional Planning Process typically spans 18–24 months to ensure thorough analysis, stakeholder engagement, and alignment with local priorities. While timelines are structured, urgent needs can be prioritized and expedited where necessary.*

Forecasting Regional Electricity Demand

The electricity forecast is key to understanding regional electricity needs over a 20-year period.

Forecast data is provided by the local distribution companies (LDCs) based on established forecasting assumptions and customer connection requests, including:

- Municipal/regional growth plans,
- Climate change action plans/electrification, and
- Business plans of major consumers or large projects.

The IESO also engages with municipalities, customers, and other interested parties to understand and incorporate considerations that influence the forecast.

The IESO will develop forecast scenarios to account for forecast uncertainty.



Determining Recommended Solutions & Building Readiness

- We identify a range of potential options, including wires and non-wires solutions, and make recommendations to address near- to medium-term needs and outline longer-term solutions that may be required in the future.
- Each longer-term solution is linked to clear triggers such as demand thresholds or project milestones that signal when action is needed.
- Scenario-based planning helps address uncertainty and maintain flexibility.
- This approach ensures readiness and enables us to respond quickly and effectively to changes in demand forecasts.



Engagement Is Key & Upcoming Opportunities

St. Lawrence regional planning is being accelerated.

Municipalities and stakeholders are encouraged to share any firm and anticipated growth and electrification plans with their local distribution company.

- Collaboration with municipalities and their economic development teams is vital.

The IESO meets annually with transmitters and LDCs to review forecasts, identify emerging needs, and if required, accelerate the next planning cycle.

Sign-up to stay informed: ieso.ca/subscribe



Major Project Identification Committees (MPIC)





Discussion

Thank You

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CONTACT

- ✓ IndigenousRelations@ieso.ca
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