

From: IESO Community Engagement

To: IESO Community Engagement

Subject: Final Planning Documents Posted | Kitchener-Waterloo-Cambridge-Guelph Electricity Planning

Date: July 8, 2026 3:32 P.M.

The final [Kitchener-Waterloo-Cambridge-Guelph \(KWCG\) Integrated Regional Resource Plan \(IRRP\)](#) and corresponding [data tables](#) are now posted along with the [response to feedback received](#). The associated appendices of data used in the study will be posted later this year. The IRRP looks at the unique needs of a region and considers a range of options to meeting the area's electricity needs over a 20-year period.

To ensure the plan reflects the needs of market participants, municipalities, stakeholders, communities, Indigenous communities, customers and the general public, the IESO engaged extensively through a [dedicated webpage](#), targeted discussions, webinars and other communication channels. Input from these engagements informed the development of the report and shaped its final recommendations.

Electricity demand in the KWCG region is projected to grow at a rapid pace due to residential, commercial, and industrial growth, electrification, and several new large developments. To meet growing demand and to ensure the electricity system in the KWCG region meets reliability requirements, an integrated set of investments are recommended:

New stations in Waterloo, Guelph, Cambridge, and Puslinch

- New 230 kV line between Puslinch and Cambridge
- Upgrades on existing transmission lines in Waterloo, Kitchener, Cambridge, and Puslinch
- Station expansion and load transfers in Kitchener
- Station work at Detweiler TS in Kitchener, as well as Campbell TS in Guelph and Wolverton DS in Blandford-Blenheim
- Additional eDSM to increase capacity and provide broader system benefits
- Distributed energy resources at Kitchener MTS #6 and Puslinch DS
- Monitoring growth and new developments in the region ahead of the next planning cycle in 2029.

For background about the study scope, engagement and details about the KWCG region, visit the [engagement webpage](#).

A parallel [South & Central Bulk Plan](#) has been underway since 2024 and is on track for completion in Q3 2026. It will include key recommendations that will complement and support regional planning and investments by ensuring sufficient bulk electricity transmission and unlocking new options to deliver power to KWCG:

- New 500/230 kV autotransformer station (“Guelph North TS”) in Centre Wellington, needed by the early 2030s
- New 500 kV line from Longwood Transformer Station (“TS”) (in London) to Guelph North TS, then to Wellington TS, needed by the mid-2030s

This concludes the engagement initiative for the KWCG IRRP. The IESO appreciates your participation and input received throughout the IRRP development.

Please contact communityengagement@ieso.ca if you have any questions regarding the KWCG IRRP.

Regards,

IESO Regional & Community Engagement

++This email is being sent to municipalities, IESO subscribers for the Kitchener-Waterloo-Cambridge-Guelph region, and active participants in this engagement initiative. To subscribe for regional planning updates or manage your subscription, please visit <https://www.ieso.ca/subscribe>.