



NOTICE OF MOTION

Integrated Regional Resource Plan

Moved by: Councillor Saxe

Seconded by: Councillor Fletcher

SUMMARY:

Recommendation

City Council request the Independent Electricity System Operator (IESO) to work with the City of Toronto and Toronto Hydro to align the Integrated Regional Resource Plan (IRRP) for Toronto's electricity system, and broader energy system planning and procurement, with the City's 2040 target of net zero greenhouse gas emissions by:

1. phasing out of gas-fired electricity generation at the Portlands Energy Centre by 2035, except in extreme, exceptional and emergency circumstances totalling less than 88 hours / year;
2. rapidly increasing local renewable energy generation and storage, and maximizing cost-effective energy efficiency;
3. empowering Toronto Hydro to act as Toronto's electric Distribution System Operator to support development, integration and utilization of distributed energy resources; and
4. supporting a transformed electricity system that supplies Toronto with sufficient reliable, affordable, low-carbon electricity to meet present and future needs, including population growth and the electrification of buildings and transport.

Summary

In 2021, City Council adopted a target of net zero greenhouse gas emissions community-wide by 2040, and an interim target for 2030, through the TransformTO Net Zero Strategy.

The Independent Electricity System Operator (IESO) is developing an Integrated Regional Resource Plan (IRRP) for the electricity system in the Toronto Area. The City has identified the need for all levels of government and utilities to work toward developing an aligned, low-carbon electricity system to enable the City of Toronto to

meet its climate goals. The City of Toronto and Toronto Hydro continue to actively engage with the IESO as part of the IRRP development process.

Rationale for Motion

The City of Toronto's TransformTO Net Zero Strategy indicates that meeting our climate goals and reaping the benefits to health, equity, prosperity and resilience, is heavily dependent on the availability of affordable, reliable low-carbon electricity ([2021.IE26.16](#)). The City identified the need for all parties to work together to transition Ontario's electricity system away from natural gas to a resilient system focused on low-carbon energy sources, distributed local renewable energy generation, storage, and energy efficiency:

Clean Electricity Regulations

- City Council, in May 2023, urged the Government of Canada to, “enact and enforce strong and robust Clean Electricity Regulations consistent with a net-zero electricity grid and that enable broad decarbonization of all other sectors” ([2023.IE3.3](#), Part 6a).
- The regulations will drive electricity producers to feed into a national zero emissions electricity grid by 2025
- Comments were also provided to federal government at three stages of policy development over 2022-2024 by the Executive Director, Environment & Climate;
- Consultation on the Regulations closed March 2024 with the final regulations expected to be published in the *Canada Gazette, Part II*, later this year.

Portlands Energy Centre

- City Council, in April 2024, requested the Minister of Environment, Conservation and Parks to elevate Atura Power's proposal to expand the capacity of the Portlands Energy Centre by 50 megawatts to a comprehensive environmental assessment ([2024.MM17.9](#));
- City Council, in May 2023, stated its decision to, “oppose any new power generation proposal involving increased burning of fossil fuels, including natural gas, in the City” ([2023.MM6.13](#), Part 1).
- Comments were provided to Atura Power on its Draft Screening report in January 2024 by the Executive Director, Environment & Climate;

IRRP

- City staff are contributing to the IESO-led IRRP process to ensure that the City's climate goals are reflected via buildings and transportation electrification. Most recently, in May 2024, City staff provided written comments to IESO on the IRRP demand forecast methodology.

The proposed Council recommendation to the IESO builds on the City's current and past advocacy and collaborative work to plan for a zero-carbon, resilient and affordable

electricity system in Ontario that enables Toronto to meet its climate goals and enjoy the benefits of a net zero future.