




COMMUNICATION UPDATE

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| TO: | Mayor and Members City Council |
| DATE: | December 20, 2023 |
| SUBJECT: | Ontario's Independent Electricity System Operator (IESO) (CFEM2311) (City Wide) |
| WARD(S) AFFECTED: | City Wide |
| SUBMITTED BY: | Indra Maharjan Director, Corporate Facilities & Energy Management Public Works Department |
| SIGNATURE: |  |

The purpose of this Communications Update is to advise Council of a recent announcement from Ontario's Independent Electricity System Operator (IESO), announcing the plans to procure a total of 5,000MW of new energy producing resources (wind, hydro, biomass and solar). This is the first major renewables procurement made by the Province in seven years. Please see the full announcement in Appendix "A" attached to Communication Update CFEM2311.

These procurements will complement energy-storage projects currently in operation or being developed, representing as much as 3,000 MW of renewable energy on the grid by 2028.

Staff are reviewing the details of the recent announcement and will bring forward more information as it relates to relevant projects and future opportunities for the Municipality with regards to renewable energy production and storage.

The IESO's most recent forecasts confirmed that the province's electricity demand will continue to grow by roughly two per cent per year over the next 20 years.

Hamilton Renewable Power Inc. currently have two energy generation sites with energy supply contracts with IESO ending December 2027.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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For more information, please contact Indra Maharjan, Director, Corporate Facilities & Energy Management Division at Indra.Maharjan@hamilton.ca or 905-546-2424 Extension 4617.

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to CFEM2311 – The Canadian Renewable Energy Association – Dated
Toronto, December 13, 2023



Ontario announces first major renewables procurement in seven years

The Canadian Renewable Energy Association (CanREA) applauds Ontario's Independent Electricity System Operator (IESO) for announcing plans to procure 5,000 MW of new wind, solar and other forms of renewable energy.

Toronto, December 13, 2023—CanREA applauds Ontario's Independent Electricity System Operator (IESO) for announcing its first major renewables procurement since March, 2016.

On December 11, the IESO provided a resource adequacy update to Ontario's Minister of Energy, entitled "Evaluating Procurement Options for Supply Adequacy," and [announced it is making plans to procure a total of 5,000 MW](#) of new energy-producing resources (wind, hydro, biomass and solar).

"This announcement provides a clear signal to our members that Ontario is ready for new renewable projects, said Eric Muller, CanREA's Director for Ontario. "This procurement will be a significant opportunity for our members to develop low-cost wind, solar and energy storage in Ontario to meet the province's growing needs."

CanREA has consistently advocated with the Ministry of Energy and the IESO for clear and timely procurement targets and longer-term procurement certainty for the market. This is now being addressed by the IESO's five-year (2024-2028), cadenced approach for upcoming procurements, including 2,000 MW of new non-emitting electricity generation by 2030 as part of the "Long-Term 2 Request for Proposals" (LT2 RFP), as well as 1,500 MW for 2032 and an additional 1,500 MW for 2034.

The IESO notes that these procurements will complement the energy-storage projects currently in operation or being developed, which could represent as much as 3,000 MW on the grid by 2028.

"Provinces across the country are investing in renewable energy and energy storage projects—Ontario will now be investing in both," said Vittoria Bellissimo, CanREA's President and CEO. "Ontario ratepayers will be well served with this additional, affordable, clean renewable energy on the grid."



Canadian Renewable
Energy Association
WIND. SOLAR. STORAGE.

Association canadienne
de l'énergie renouvelable
ÉOLIEN. SOLAIRE. STOCKAGE.

"On behalf of our members, CanREA is committed to working collaboratively with the government, the IESO and key decision-makers to address these challenges constructively," said Muller. "There is a lot more to do in Ontario, and we are looking forward to getting it done."

Quotes

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—Eric Muller, Ontario Director, Canadian Renewable Energy Association (CanREA)

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—Vittoria Bellissimo, President and CEO, Canadian Renewable Energy Association (CanREA)

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—Eric Muller, Ontario Director, Canadian Renewable Energy Association (CanREA)

For media inquiries or interview opportunities, please contact:

Communications
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About CanREA

The Canadian Renewable Energy Association (CanREA) is the voice for wind energy, solar energy and energy storage solutions that will power Canada's energy future. We work to create the conditions for a modern energy system through stakeholder advocacy and public engagement. Our diverse members are uniquely positioned to deliver clean, low-cost, reliable, flexible and scalable solutions for Canada's energy needs. For more information on how Canada can use wind energy, solar energy and energy storage to help achieve its net-zero commitments, consult "[Powering Canada's Journey to Net-Zero: CanREA's 2050 Vision](#)." Follow us on [Twitter](#) and [LinkedIn](#). [Subscribe to our newsletter](#) here. [Become a member](#) here. Learn more at renewablesassociation.ca.

