



# Ottawa Battery Environmental Assessment

To unlock the 250,000 jobs and \$48 billion that the EV battery supply chain will add to the Canadian economy, the industry will have to deal with some thorny environmental issues, such as what to ...

1 Introduction. Energy storage is essential to the rapid decarbonization of the electric grid and transportation sector. [1, 2] Batteries are likely to play an important role in satisfying the need for short-term electricity storage on the grid and enabling electric vehicles (EVs) to store and use energy on-demand. []However, critical material use and upstream ...

One project, two processes. The Gatineau-Ottawa tram is subject to two levels of governance: provincial and federal. Given that the transit system will cross two provinces (Quebec and Ontario) in the National Capital Region, and will run on or alongside federal infrastructures and land, its planning will be subject to two environmental assessment processes.

The Environmental Impact Assessment (EIA) is recognized as a crucial instrument among the several mechanisms that are considered. This research investigates the intrinsic relationship between Environmental Impact Assessment (EIA) and the global shift towards sustainable energy. ... Flow Batteries: Instead of storing energy in the battery cell ...

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Phase I - Environmental Site Assessment 845 Champlain Street Ottawa, Ontario Report: PE6132-1R December 21, 2023 Phase I - Environmental Site Assessment Page 1 1.0 INTRODUCTION At the request of Evospace Developments, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) for 845 Champlain

He is part of the "SafeBatt - Science of Battery Safety" and previously "Reuse and Recycling of lithium-ion Batteries" projects funded by Faraday Institution. He is an expert in environmental and analytical chemistry with a particular interest in environmental fate assessment and removal of anthropogenic pollutants.

To: Angela Taylor, Senior Project Manager, Jeff Leiper, Councillor Kitchissippi Ward, Riley Brockington, Councillor River Ward Date: October 27th, 2023 Subject: The Ottawa Hospital to Dow's Lake LRT Station Multi-Use Connection Environmental Assessment (EA) Study Dear Councillors and Ms.Taylor: We thank you for the opportunity to provide our input and ...

Ottawa Queensway Downtown Bridges Environmental Assessment Study The Transportation Environmental



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Study Report is available to download below: GWP4170-13-00 MTO Queensway DT Bridges TESR Jul 29-24 QC.pdf GWP4170-13-00 MTO Qwy DT Bridges TESR Vol 1 May 31-24 QC Combined.pdf GWP4170-13-00 MTO Qwy DT Bridges TESR Vol 2 ...

The Environmental Management and Assessment Ontario College Graduate Certificate program adds depth to your existing expertise in the environmental management and assessment field. Highly skilled and environmentally aware professionals are constantly being sought out by employers in the field. ... Ottawa, ON K2G 1V8 Telephone: 613-727-0002 Toll ...

environmental assessment has achieved its goal of helping us reach better decisions. Three years later, I believe the answer to that question is a clear yes. The study has examined the status of environmental assessment world-wide and has identified challenges for all of us in the future. The results, together with the many case

The City of Ottawa is proposing to establish official plan and zoning provisions for renewable energy generation and battery energy storage uses in accordance with new Official Plan policy.

110 Laurier Avenue West Ottawa, ON K1P 1J1 3-1-1 613-580-2400

In Ottawa, a 150-megawatt battery-storage project for Trail Road has received municipal approval, but a 250-megawatt project by Evolugen for Fitzroy Harbour is facing ...

Purpose Life cycle assessment (LCA) literature evaluating environmental burdens from lithium-ion battery (LIB) production facilities lacks an understanding of how environmental burdens have changed over time due to a transition to large-scale production. The purpose of this study is hence to examine the effect of upscaling LIB production using unique ...

Zhang, H., Xue, B., Li, S. et al. Life cycle environmental impact assessment for battery-powered electric vehicles at the global and regional levels. *Sci Rep* 13, 7952 (2023). <https://doi.org/10.1038/s41598-023-28111-1>

OTTAWA -- Canada's top court dealt a blow to Prime Minister Justin Trudeau's environmental policy on Friday, declaring the Liberal government's Impact Assessment Act for major development ...

Phase II Environmental Site Assessment 159 Forward Avenue, Ottawa, Ontario Submitted to: City of Ottawa 5th Floor 110 Laurier Avenue West Ottawa, ON K1P 1J1 Submitted by: Golder Associates Ltd. 1931 Robertson Road Ottawa, Ontario, K2H 5B7 Canada +1 613 592 9600 19120465 September 2019

The NRC's Battery performance and safety evaluation research facility in Ottawa, Ontario, tests energy storage devices under a variety of situations and operational ...



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Share Environmental Assessment Process for the Expansion of the Trail Waste Facility Landfill report now posted on Facebook Share Environmental Assessment Process for the Expansion of the Trail Waste Facility Landfill report now posted on ... Ottawa, ON K1P 1J1 3-1-1 613-580-2400. Client Service Centre. About Us. Other City Websites; Moderation ...

2.1 Method system. A life cycle assessment (LCA) reflects a compilation of an inventory of environmentally relevant impacts with all processes involved in the production, use, and end-of-life phases of a product (Hawkins, et al., 2013). LCA is one of the most effective tools for the quantitative analysis of a certain product during its lifetime, including evaluating its ...

100-2650 Queensview Drive | Ottawa, Ontario K2B 8H6 | Canada t: +1.613.688.1899 | f: +1.613.225.7337 | exp Phase Two Environmental Site Assessment 248 Main Street, Ottawa, Ontario Client: Andrea Ibrahim Type of Document: Final Project Name: Phase Two Environmental Site Assessment Project Number: OTT-21000155-A0 Prepared By:

The focus of this environmental noise and vibration assessment is the proposed multi-building retirement residence located on an irregular-shaped parcel of land at 100 Steacie Drive in Ottawa, Ontario. The ... 1 City of Ottawa Environmental Noise Control Guidelines, January 2016 2 Ontario Ministry of the Environment, Conservation and Parks ...

The members of the Ottawa County Health Partners have released the 2023 Ottawa County Community Health Needs Assessment (CHNA) and the 2024-2026 Community Health Improvement Plan (CHIP). This comprehensive ...

The present study offers a comprehensive overview of the environmental impacts of batteries from their production to use and recycling and the way forward to its ...

As of today, Wind Concerns Ontario counts at least 30 Battery Energy Storage System (BESS) proposals throughout the province, ranging from South-west Ontario to Huron ...

Environmental Site Assessment (Phase 1 & Phase 2) Terms of Reference 1. Description Phase One and Two Environmental Site Assessments (ESAs) are required to ensure that development only takes place on sites where the environmental conditions are suitable for the proposed use in accordance with provincial legislation and regulations. 2.

Arnprior BESS Limited Partnership (the "Proponent"), a controlled subsidiary of PR Development LP (the "Qualified Applicant"), an affiliate of Potentia Renewables Inc., is proposing to construct the Arnprior Battery Energy Storage Project ("Arnprior BESS" or the "Project") in the City of Ottawa. The proposed Project is a lithium-ion battery energy storage facility sized to ...



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&#169; 2001-2024 City of Ottawa

Phase II - Environmental Site Assessment 1540 Star Top Road Ottawa, Ontario Report: PE6080-2R October 15, 2023 Page iii EXECUTIVE SUMMARY Assessment Paterson Group was retained by BBS Construction to conduct a Phase II - Environmental Site Assessment (Phase II-ESA) for the property addressed Star Top Road, Ottawa, Ontario.

Kimberley.Millar@ottawa.ca. Erin Tait, Environmental Remediation Specialist 613-580-2424, extension 12958 Erin.Tait@ottawa.ca. ... Environmental assessment (EA) or environmental impact assessment is a process that is used to identify the potential negative effects and/or benefits of a project or activity on the environment. EAs allow ...

The City of Ottawa has completed a Municipal Class Environmental Assessment (Class EA) for the Ruisseau Park Ravine (Blue Willow) Rehabilitation project. The purpose of this study was to determine the best solution that will protect private and public property from slope instability, while minimizing negative impacts to the natural features in ...

2016: Ottawa Queensway Mid-town Bridges from Holland Avenue to O'Connor Street, Environmental Assessment and Preliminary Design Study (GWP 4075-11-00) - this EA defined bridge management plans for rehabilitation and replacement projects ...

405 ROCHESTER STREET AND 550, 552, 556, 558, 562 AND 568 BOOTH STREET, OTTAWA, ONTARIO Ms. Valiquette, Golder Associates Ltd. (Golder) is pleased to provide Canada Lands Company (CLC) with this summary of Phase Two Environmental Site Assessment (ESA) and remediation activities completed at the former NRCan property

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