

# NET ZERO CARBON EVENTS

ROADMAP



Exhibition Place

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# Summary

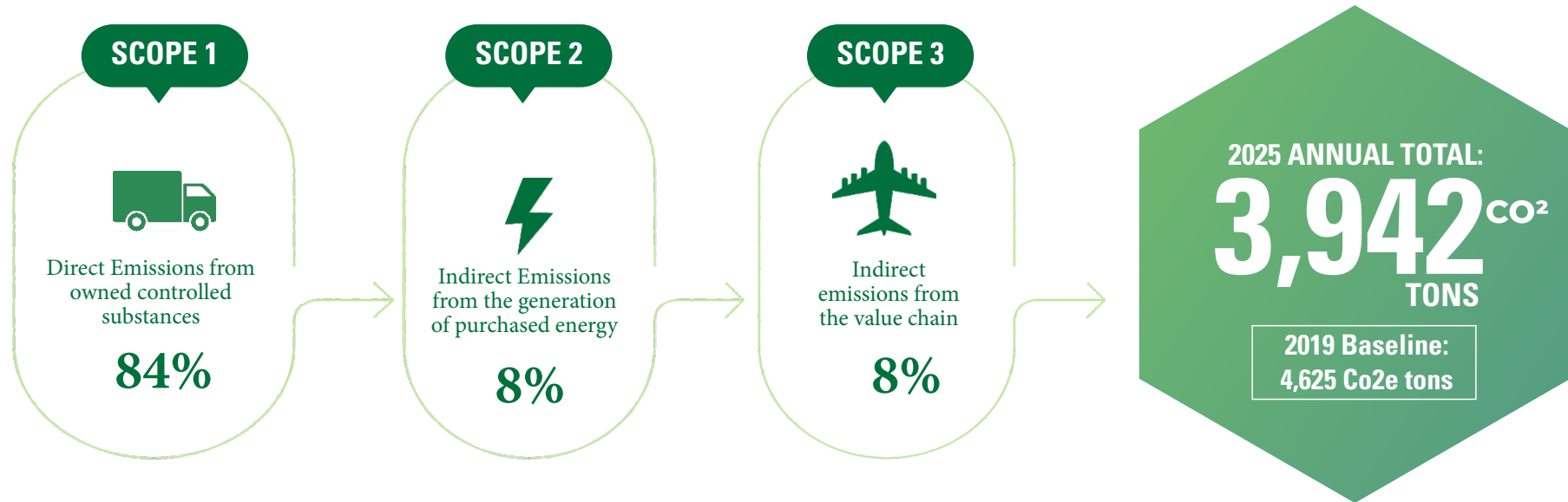
Exhibition Place, home to the LEED Gold® Certified Enercare Centre, is deeply committed to sustainability and reducing its environmental impact and has taken substantial steps to align with the Net Zero Carbon Events (NZCE) Pledge. Since signing the pledge on January 25, 2022, we have developed a comprehensive Net Zero plan aimed at achieving carbon neutrality by 2050. Key initiatives include transitioning from natural gas-burning equipment, such as boilers, to electric units, and converting Enercare Centre to more sustainable energy sources as they become available. Additionally, efforts are underway to enhance the efficiency of day-to-day operations.

We are currently advancing the installation of the Noventa wastewater energy transfer project, which is expected to significantly improve the Enercare Centre's carbon footprint. Notably, in 2023, Enercare Centre achieved a remarkable reduction in natural gas usage by 295,319 m<sup>3</sup> compared to its base year (2019), marking significant progress toward its sustainability objectives.



# Scope Emissions

The Greenhouse Gas (GHG) Protocol Corporate Accounting and Reporting Standard is designed for organizations to inventory and report all of the GHG emissions they produce. The graphic below gives an outline of Exhibition Place's emissions, categorized by Scope in 2025



# PROGRESS HIGHLIGHTS



## 2025

- 🌿 Optimized HVAC control sequences to reduce electrical demand while maintaining the same level of heating and cooling performance.
- 🌿 Replaced the legacy diesel generator at Midarch with a new, more efficient natural gas-powered unit.
- 🌿 Upgraded roofing systems to a high R-value insulated white membrane “cool roof,” reducing thermal energy loss through the building envelope.
- 🌿 Replaced outdated Galleria lighting with high-efficiency LED fixtures, significantly reducing electricity consumption for space illumination.
- 🌿 Implemented a Waste Leftover Program to reduce the volume of waste generated and transported from the Enercare Centre.

## 2024

- 🌿 Energy Efficiency Upgrades: Implemented LED retrofits, installed Variable Frequency Drives (VFDs) for fans, and replaced the Enercare Centre’s lower perimeter roof with cool roof material to reduce energy consumption and carbon footprint.
- 🌿 Enercare Centre earned LEED® Gold Certification for Existing Buildings: Operations and Maintenance.
- 🌿 Sustainable Transportation and Heating, Ventilation, and Air Conditioning (HVAC) Optimization: Installed 10 new electric vehicle (EV) chargers in the underground parking garage and retrofitted the parking garage’s Make-Up Air Unit (MAU) to enhance performance and decrease natural gas usage.
- 🌿 Ongoing Improvements: Continuing efforts to enhance energy efficiency, including plans for an LED retrofit project in the Enercare Centre’s galleria section, demonstrating a commitment to comprehensive energy management.

## PROGRESS HIGHLIGHTS



2020-23

- 🌿 Completed Enercare parking garage lights and Galleria lights retrofit from fluorescent to high efficiency LED.
- 🌿 Implemented using isolation vaults to close off unnecessary cool and hot water loops during off season hours.
- 🌿 Installed new high efficiency York magnetic bearing chiller at Enercare Centre to reduce amount of equipment needed to run throughout the warm season.
- 🌿 Exhibition Place Signs Net Zero Carbon Events Pledge and Designed roadmap and goals to achieve Net Zero Carbon by 2050.
- 🌿 Enhanced electrical capacity management: Installed peak tracking software and upgraded emergency generators to optimize electrical use and reduce emissions during high-demand periods.

2019

- 🌿 Enercare Centre earned LEED® Platinum Certification for Existing Buildings: Operations and Maintenance.
- 🌿 A feasibility study was conducted to explore the addition of 12 megawatts of Solar PV at Exhibition Place.
- 🌿 Exhibition Place Signs Net Zero Carbon Events Pledge and Designed roadmap and goals to achieve Net Zero Carbon by 2050.

# Progress in Action Areas

Measuring progress towards Enercare Centre's Net Zero Carbon Events Pledge involves defining clear indicators for each action area, collecting relevant data, and establishing baselines. The table below outlines our current actions, planned initiatives, and comments for each of the five key action areas. This comprehensive overview demonstrates our commitment to sustainable event management and our progress towards achieving net zero carbon emissions.

ACTION AREA	CURRENT ACTION	PLANNED ACTIONS
Power venue efficiently with clean, renewable energy.	<ul style="list-style-type: none"> <li>•Installed Solar PVs on Enercare Centre's roof, reducing grid energy dependence.</li> <li>•Implemented high-efficiency equipment and VFDs to minimize energy consumption for events.</li> <li>•Established energy-saving policies to reduce usage during venue events.</li> <li>•Formed in-house GREENSmart Committee to address sustainability and net-zero initiatives.</li> </ul>	<ul style="list-style-type: none"> <li>•Conduct a comprehensive feasibility study and implement large-scale battery energy storage to eliminate reliance on the cogeneration unit.</li> <li>•Reduce energy consumption in buildings by replacing old lighting fixtures with high-efficiency LED lights.</li> <li>•Replace gas-fired boilers with electrical alternatives.</li> <li>•Research new technologies to help reduce the venue's carbon footprint to zero.</li> </ul>
Redesign events to utilize sustainable materials and divert waste from landfill.	<ul style="list-style-type: none"> <li>•Implemented digital event management software (Momentum), reducing paper usage.</li> <li>•Partnered with third-party company to reuse wooden pallets, enhancing sustainability efforts.</li> </ul>	<ul style="list-style-type: none"> <li>•Explore vinyl plastic recycling for large events.</li> <li>•Minimize packaging and switch to reusable alternatives.</li> <li>•Enhance packaging labeling for proper disposal.</li> <li>•Implement paperless processes where possible.</li> </ul>
Source food sustainably, and eliminate food waste.	<ul style="list-style-type: none"> <li>•Since 2019, we've achieved significant food waste reduction and implemented sustainable food policies in our event planning.</li> <li>•Our catering menu offers diverse plant-based options, including vegan and vegetarian meals and plant-based milk alternatives.</li> <li>•We've upgraded our refrigeration system and exclusively use reusable and recyclable containers and packaging.</li> <li>•We've partnered with food banks and shifted towards low-carbon, seasonal produce to reduce waste and support local communities.</li> </ul>	<ul style="list-style-type: none"> <li>•Implement comprehensive sustainable food policies for all event plans and RFPs by 2025, including strategies to minimize food waste.</li> <li>•Introduce a "Green Page" in the 2025 catering menu, showcasing sustainable vegan and vegetarian options.</li> <li>•Reduce high-carbon food usage while increasing low-carbon alternatives, including phasing out almond milk.</li> <li>•Collaborate with clients to reduce food waste by 75% and decrease plastic usage by 15% annually through 2040.</li> </ul>
Move goods and equipment efficiently and transition to zero emissions logistics.	<ul style="list-style-type: none"> <li>•Optimized truck loading and unloading processes.</li> <li>•Implemented and enforce a "no idling" policy.</li> <li>•Identifying electric vehicles for fleet replacement.</li> <li>•Improving logistics coordination among stakeholders.</li> <li>•Measuring and reporting emission reductions from sustainable practices.</li> </ul>	<ul style="list-style-type: none"> <li>•Replace all vehicles in fleet with electrical vehicles capable of performing the same functions as gas powered vehicles.</li> </ul>
Work with and influence partners in the travel sector to reduce and mitigate the emissions of travel to events.	<ul style="list-style-type: none"> <li>•Exhibition Place Sales Team strategically attends key industry events, enabling multiple stakeholder meetings at a single venue and reducing travel emissions.</li> <li>•Onsite staff working hybrid schedules to reduce the amount of travel to venue on nonevent days.</li> <li>•Regular distribution of social media pieces which highlight sustainability.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue distributing social media posts about sustainability goals.</li> <li>•Lead and participate in speaking engagements to promote sustainability in our industry.</li> </ul>

# About Exhibition Place

Established in 1879 and located on the shores of Lake Ontario, Toronto, the award-winning Exhibition Place is Canada's largest entertainment venue, hosting 1,761 events and attracting over 5.5 million visitors a year. The 192-acre site is an integral component of Toronto and Ontario's economy, driving a direct impact of over \$594 million annually.

Exhibition Place boasts the award-winning, LEED Gold® Enercare Centre; Canada's largest exhibition and convention centre, and the Beanfield Centre LEED Silver® conference venue. Since 2004, Exhibition Place has undertaken an environmental stewardship initiative, entitled GREENSmart; which includes the promotion of sustainable development, environmental initiatives and leading-edge green technologies and practices across the site.

