



**Partners in
Project Green**

A Program of Toronto and Region Conservation Authority

Moving Towards Circular Construction, Renovation, and Demolition: Where to Begin?

November 19, 2024

- Use the Q&A feature to submit questions to the presenter
- Submit tech issues or chat with fellow attendees through the Chat feature
- Recording will be available after the webinar

We respectfully acknowledge that we are situated on the Traditional Territories and Treaty Lands, in particular those of the Mississauga Nation, as well as the Anishinaabe of the Williams Treaty First Nations, the Huron Wendat, and the Haudenosaunee.

As stewards of land and water resources within the Greater Toronto Region, Toronto and Region Conservation Authority appreciates and respects the history and diversity of the land and is grateful to have the opportunity to work and meet on this territory.





Partners in Project Green

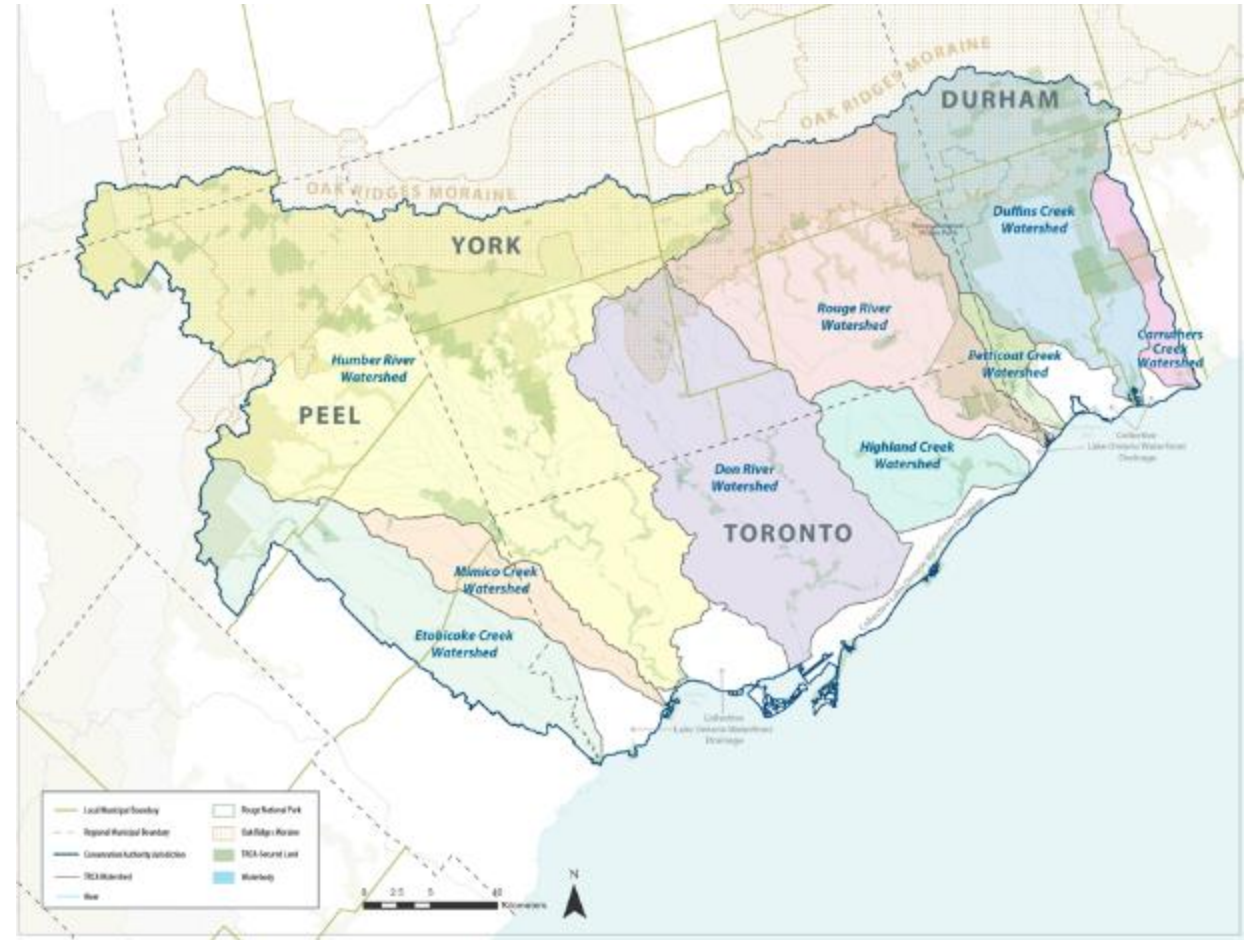
A Program of Toronto and Region Conservation Authority

www.partnersinprojectgreen.com



Our Story

- Toronto Region Conservation Authority's Partners in Project Green (PPG) was launched in 2008 in collaboration with Toronto Pearson
- PPG is open to any business, municipality or individual who operates within the Greater Toronto Area (GTA) in the Regions of Peel, York and Durham and the City of Toronto



Agenda

Time	Item
1:00 PM	PPG Updates & Speaker Introductions
1:05 PM	Embodied Carbon Management Toolkit
1:20 PM	Pre-Demolition Audit Example- North York YMCA Project
1:35 PM	Materials Reuse/Recovery Options in Canada
1:45 PM	Q&A



Futureproof your Fleet: Case studies from Industry Leaders

Making the case for decarbonising your fleet with the Emterra Group and Park'N Fly

Industry leaders will share their knowledge and expertise on the different low and zero emissions vehicle technology like electrification and Compressed Natural Gas. Participants will have the opportunity to:

- Learn about fleet and facility decarbonization
- Deep dive into two technology options
- Build an understanding on how to plan for transitioning their fleet

When: November 20th

Time: 1:00- 2:00pm

Where: Zoom Webinar

Register Now: [Webinar Registration - Zoom](#)



Insurance: Tips for Businesses

Navigate insurance for your business in the current state of climate change with the Insurance Bureau of Canada

- **When:** November 28th from 1-2pm EST
- **Where:** Online (free)
- **Register here or scan QR code:**
<https://partnersinprojectgreen.com/events/business-insurance-webinar/>

Contact Charlotte.Hung@trca.ca for more details



Scan me!



PPG 2025 Annual Forum

Stories that matter: Building buy-in for a sustainable future

PPG is excited to bring back our Annual Forum! Join us for a full-day of discussion, learning and networking with other sustainability leaders.

When: Thursday, June 12th, 2025 from 8:30am – 4:30pm EST

Where: Centennial College Event Centre, Scarborough, ON

Save the date and stay updated:

<https://partnersinprojectgreen.com/events/ppg-annual-forum-stories-that-matter-building-buy-in-for-a-sustainable-future/>

Contact Charlotte.Hung@trca.ca for more details



Save the date!





Moving Towards Circular Construction, Renovation, and Demolition: Where to Begin?

Poll Question: What are the top 3 barriers to circular CRD waste management in Ontario ?

1. Lack of knowledge and awareness on processes
2. Lack of skills and support throughout the supply chain
3. Limited markets and services for reuse and recovery
4. Higher costs of processes and products
5. Lack of standards and certification for circular construction practices
6. Lack of circular building regulations and enforcement
7. Considerations for circularity enter the project too late (lack of planning)
8. Other





Speaker Introductions

Ryan Zizzo, Mantle Developments

Ryan is the Founder and CEO of Mantle Developments, a Toronto-based climate change consultancy focused on climate-smart infrastructure and buildings. Ryan is a recognized leader in helping large organizations and governments transition to a low-carbon future. Ryan's work has directly supported an update to the Toronto Green Standard v4 and he contributed to the Government of Canada's Standard on Embodied Carbon in Construction.



Meredith Moore, Ouroboros Deconstruction

Meredith is the Founder of Ouroboros Deconstruction, which merges the deep commitment to adaptive reuse and sustainability with extensive expertise in design, construction, and demolition. Recognizing the untapped potential of overlooked materials in today's throw-away culture, Moore is dedicated to reshaping perceptions and elevating the value of recovered resources.



Darlene Coyle, Partners in Project Green, TRCA

Darlene coordinates the Waste Management and Water Stewardship programs at Partners in Project Green. The goal of her work in Waste Management programs is to support businesses across the GTA in reducing waste and diverting material from landfill. One such program is the Material Exchange in which she connects businesses with local community groups and non-profits to divert material from landfill, support social causes, and promote reuse.



Embodied Carbon Management Toolkit

Circular Construction

November 19, 2024



Net-zero Carbon and Climate-resilient Developments



The image shows the interior of a building during a deconstruction project. The ceiling is exposed, showing a network of wooden joists and rafters. A single, clear glass globe hangs from the ceiling by a thin wire. The walls are made of vertical wooden studs, some of which are partially covered with insulation. In the foreground, there is a large, messy pile of debris, including pieces of wood, insulation, and other construction materials. The lighting is natural, coming from windows on the right side of the frame.

OUROBOROS DECONSTRUCTION



Materials Reuse/Recovery Options in Canada

Reuse Marketplaces

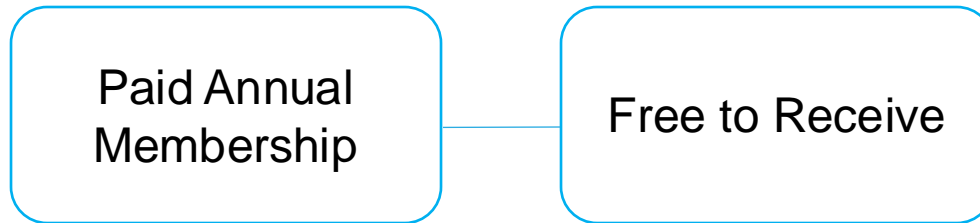


Facebook Marketplace

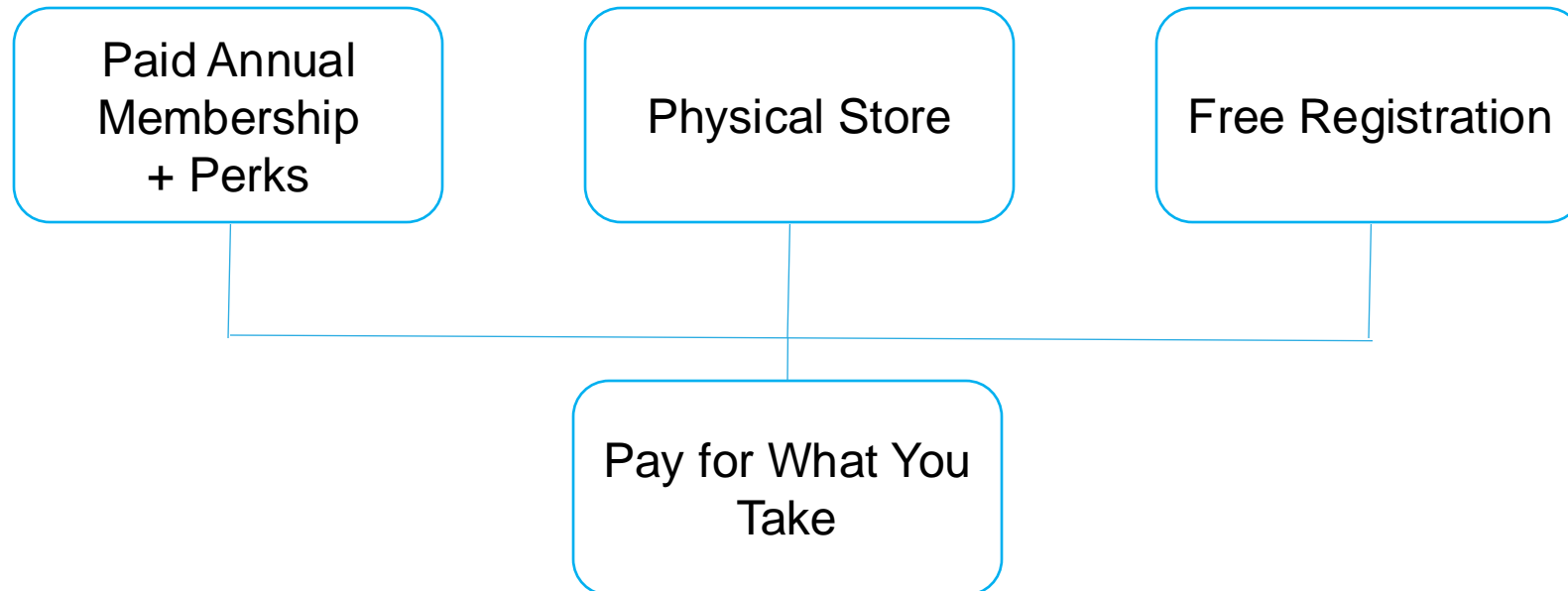


Membership Model

1)



2)



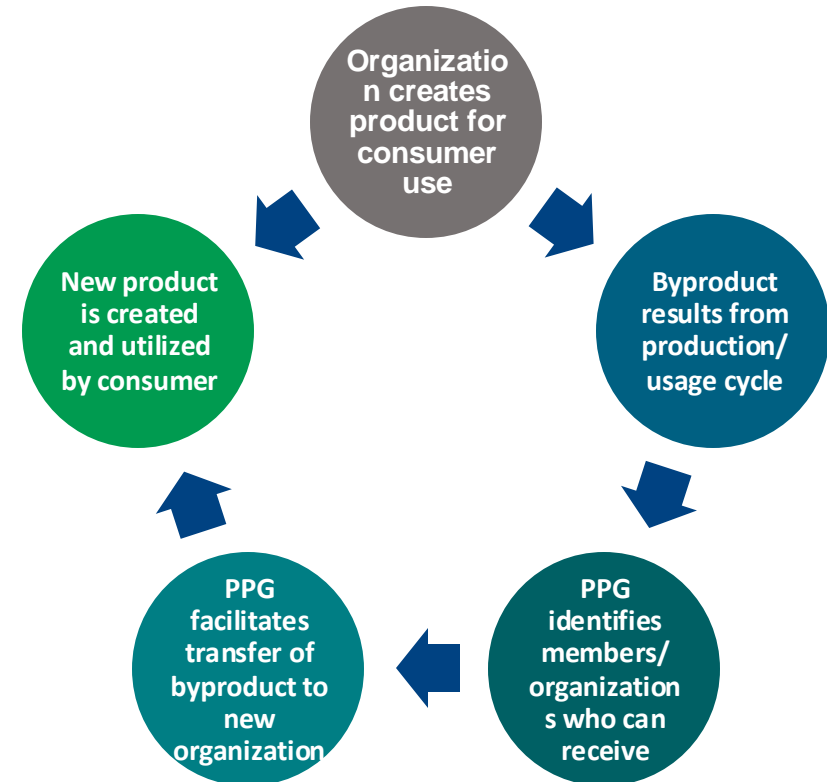
Material Exchange

Facilitating the exchange of material between businesses and non-profit organizations to divert waste from landfill, support local communities, and move towards a circular economy.

High-valued service, save disposal costs and divert to good causes.

<https://partnersinprojectgreen.com/programs/material-exchange/>

Material Exchange Program (MEX) Overview



Partners in Project Green's (PPG) Material Exchange

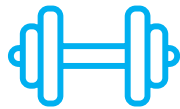
Service Area: Greater Toronto Area

Structure: Paid Membership required to give away items. Free to receive.

Material Types: Surplus inventory, Office supplies/equipment, Organics, Construction Materials*

What's Special: Emphasis on giving to community organizations, builds meaningful relationships, and facilitates exchanges.

2013-2023:



18,603 Tonnes



\$3.5 Million



43,775 tonnes
Co2e Avoided

**In development*



Partners in Project Green's (PPG) Material Exchange



**SAI DHAM
FOOD BANK**

74% to Equity
Deserving Groups



BRANDS FOR CANADA



Partners in Project Green's Material Exchange- Examples



<https://partnersinprojectgreen.com/reuse-success-stories/>





Other Marketplaces

Circular Partner's Reuse Marketplace

Service Area: Greater Toronto Area

Structure: Fee to give and take material. Discounts offered to members.

Material Types: Flooring, Construction material, Textiles, & Misc pieces

What's Special: Hosts an online and physical marketplace to browse available items.



<https://circularpartners.ca/reuse-marketplace/>



Habitat for Humanity's ReStore

Service Area: Greater Toronto Area

Structure: No membership required.

Material Types: Lumber, Decking, Insulation, Drywall, Fencing

What's Special: In-person & online store. Inventory is dependent on location.



<https://habitatrestore.ca/pages/building-materials>



Get Phil

Service Area: Southern Ontario

Structure: Free app to download and use to offer or take material. Cost is determined by the individual organization.

Material Types: Fill, soil, concrete, asphalt, sand, brick, etc.

What's Special: Mobile App filters by material, displays in a map format, allows direct messaging with contacts, post available material.



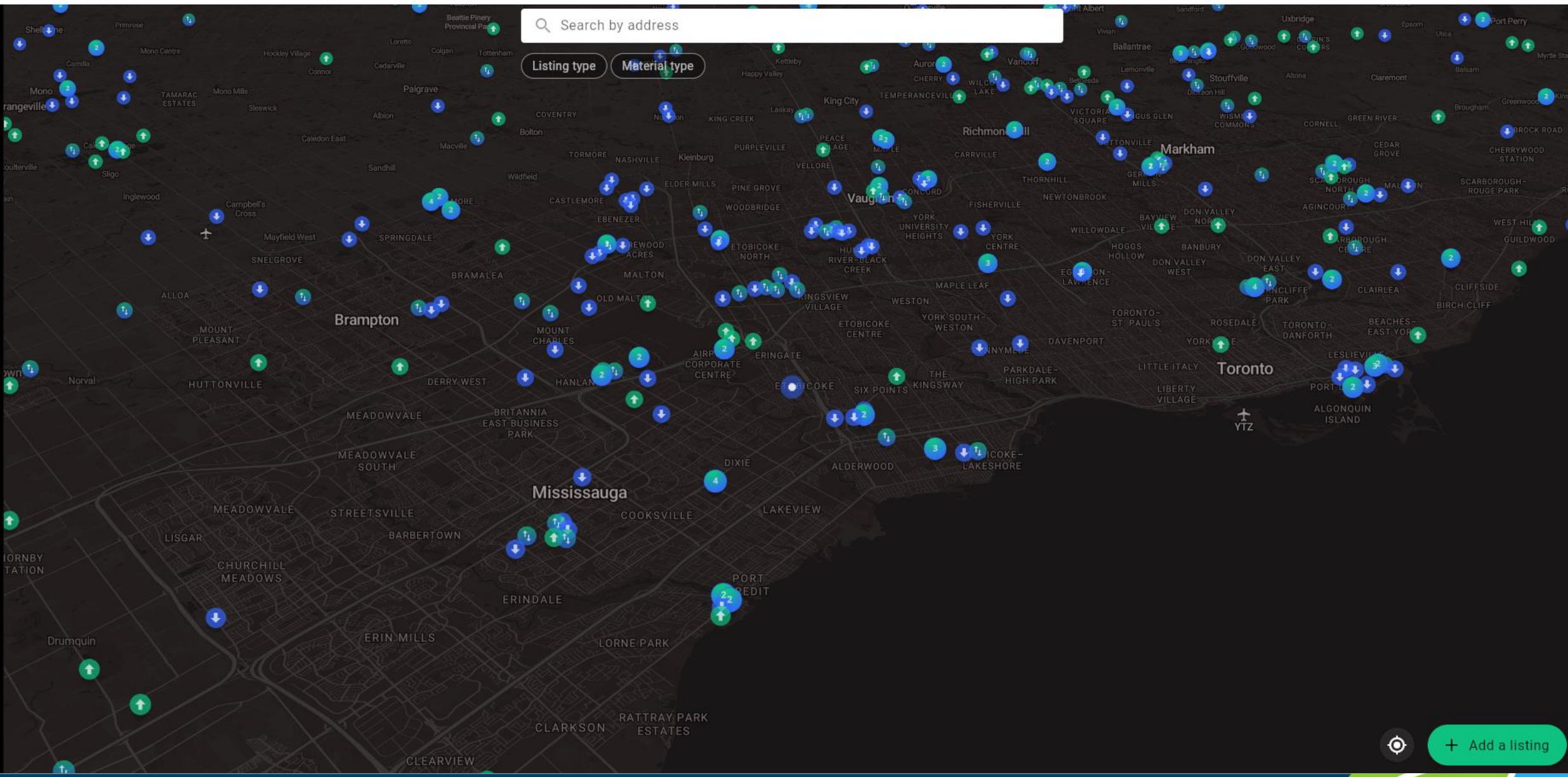
<https://getphil.app/>



- Home
- Map
- Message
- Tracking
- Account

Search by address

Listing type Material type



Light House's Building Material Exchange

Service Area: Vancouver Island

Structure: Free to sign up to receive and give materials. Associated costs are negotiated between the parties

Material Types: Construction and building materials.

What's Special: Focus on building & construction materials



<https://www.light-house.org/bmex/>



Let's Grow the List: Share Your Reuse Marketplace Recommendations!





Q & A



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