



ABOUT RYSE SOLUTIONS

As a **producer responsibility organization (PRO)**, Ryse Solutions assists their customers in understanding and fulfilling material and recycling regulatory requirements.

Ryse Solutions advises clients on a variety of materials including:

- Tires,
- Batteries,
- Packaging that is difficult to recycle, and
- Waste electronics and electrical equipment.

As a member of the Emterra Group, Ryse Solutions is connected in a vertically integrated system of material management companies across Canada as well as Michigan, U.S.

Services offered by Ryse Solutions include the following:

- Collection and processing services of materials
- Tracking of materials throughout the recovery process
- Reporting on material collection in compliance with reporting requirements and obligations
- Designing packaging and products to be more sustainable and recyclable
- Determine recyclability of products and utility in end markets



WHAT IS A PRO?

A producer responsibility organization, or a PRO, is a company that assists product and packaging producers to create, manage, and/or operate the collection and management of their resource recycling system as well as reporting on those processes and results.

ROLES, RESPONSIBILITIES & MAJOR ACCOMPLISHMENTS



Improved and maintained current customer billing tracker



Researched a variety of pricing and specifications for a recyclables take-back program in its beginning stages



Determined flow and final destination of SodaStream CO₂ cylinders in the ten largest municipalities across Canada



Created a client management database to enable more efficient and effective communication with clients



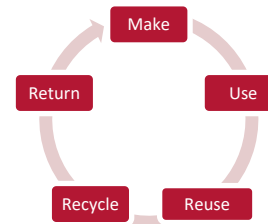
Prepared an analysis of the top players in the cannabis industry including producers and associations for future collaboration on harmonized packaging



Assisted in preparing documentation for the performance auditing process

ABOUT THE INDUSTRY

The waste management industry is entering a **new regulatory environment** as Ontario is moving toward a **circular economy**.



Ontarians produce a substantial amount of waste within the current linear economic model which has led to packed landfills.

FACINATING FACTS

- Average amount of waste produced by Ontarians is 800 Kg/year
- Only 25 % of this is recycled
- Approximately 16 new landfills are created each year

Source: The Resource Productivity and Recovery Authority. (n.d.) The Circular Economy. Retrieved from <https://rprra.ca/about-us/the-circular-economy/>

The **Waste Free Ontario Act, 2016** is Ontario's endeavor to erect the circular economy, ultimately treat waste as a resource, and legislates two other acts:

1. **The Resource Recovery and Circular Economy Act, 2016**
 - Aims to transition Ontario's resource management strategy to **individual producer responsibility (IPR)** and
 - Creates the **Resource Productivity & Recovery Authority** to oversee the execution of this new regime.
2. **The Waste Diversion Transition Act, 2016**
 - Aims to wind up current recycling programs in Ontario and transition to programs that will **reduce waste** and inject resources back into production.

SUSTAINABILITY CHALLENGES

Sustainability challenges facing this industry and Ryse Solutions surround this new regulatory environment. However, the benefits of moving toward a circular economy far outweigh the roadblocks to a more sustainable future.

CHALLENGES

- New and unprecedented territory
- Industry pushback
- Uncertainty in transitioning recycling programs

BENEFITS

- Safeguard natural resources & the environment
- Inspire innovation
- Cuts down on harmful greenhouse gas emissions
- Generates a variety of jobs

LESSONS LEARNED



IPR is key to a circular economy



Constant innovation is necessary in sustainability



Trust in myself & my abilities

ACKNOWLEDGEMENTS



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