

ABOUT THE ORGANIZATION

The Resource Productivity and Recovery Authority (RPRA) is a regulatory body established by the Government of Ontario to enforce the province's circular economy laws.

RPRA's main responsibilities include overseeing waste diversion programs, supporting businesses in meeting individual producer responsibility (IPR) requirements for various materials, including Tires, Batteries, ITT/AV equipment, Hazardous and Special Products, Lighting, and Blue Box materials. It's also responsible for operating digital reporting services for various waste and resource recovery programs such as the Excess Soil Registry and the Hazardous Waste Program Registry.



Through these efforts, RPRA is committed to fostering a sustainable, resource-efficient future for Ontario.

DID YOU KNOW?

A key driver of the circular economy is individual producer responsibility (IPR).

IPR means that producers are responsible and accountable for collecting and managing their products and packaging after consumers have finished using them.

MAJOR PROJECTS

Standardization of Reporting Procedures

- Gathered and interpreted information from former reporting activities to draft Standard Operating Procedures (SOPs).
- Assist in unifying and standardizing reporting practices at RPRA, ensuring compliance with Ontario's circular economy laws.

Hazardous Waste Program (HWP) Public Reporting

- Collaborated with Senior Data Analysts to develop the first annual reports for the HWP.
- Extracted and organized essential information using Salesforce, performed extensive data cleaning, and formatted reports to ensure clarity and usability.
- Authored the metadata for the reports, facilitating public access and understanding of the information.

Battery Regulation Program Visualization

- Leveraged Infogram to create visualizations of the Battery Regulation Program's achievements, transforming complex data into straightforward graphs.
- Ensured that the visualizations enhanced interpretation without introducing bias or misleading information,
- Contributed to transparent and effective communication of program outcomes.

INDUSTRY CHALLENGES

- Ensuring compliance across diverse industries, each with unique regulatory requirements and levels of compliance readiness.
- Collecting vast amounts of data from multiple reporting programs, while ensuring its accuracy, consistency, and usability for decision-making.
- Present complex regulatory and data information in a way that is accessible, transparent, and interpretable to the general public.
- Adapting to evolving regulations and stakeholder needs

KEY TAKEAWAYS

- **Regulatory Insight:** Gained a deep understanding of how regulatory bodies enforce environmental sustainability and circular economy laws.
- **Practical Data Skills:** Applied academic knowledge to real-life problems through data cleaning and analysis of large datasets with over 75,000 rows.
- **Policy Development:** Learned to draft Standard Operating Procedures (SOPs) and contribute to standardization within a regulatory environment.
- **Teamwork and Adaptability:** Enhanced my ability to work effectively in small teams, communicate across disciplines, and developed agility in problem-solving and project management.
- **Sustainability Commitment:** Strengthened my commitment to sustainable practices while deepening my understanding of diverse stakeholder perspectives.