



PCE Roadmap Overview

Land Acknowledgment

- We respectfully acknowledge that we are situated on the traditional and ancestral territories of many Indigenous, First Nations, Métis, and Inuit peoples. We honor the lands, which span Treaties 4, 6, 7, 8, and 10, and recognize the historic and ongoing presence of the Métis Nation within Alberta.

Agenda

- 9:00 – Welcome and intro to the project
- 9:15 – Learning from international experience, Plastics Europe
- 9:40 – Data collection approach, Circle Economy
- 9:55 – Q&A
- 10:00 – Breakout discussions
- 10:20 – Report back and final discussion
- 10:40 Next steps

APRA facilitates partnerships and programs to advance circularity across the plastics value chain:

- **Vision:** APRA envisions a future where Alberta is at the forefront of an innovative and sustainable plastics circular economy.
- **Mission:** APRA advances the circular economy for participants in the plastics value chain in Alberta by fostering collaboration that drives economic growth and environmental stewardship.



What is a Circular Economy

- The circular economy is a system where materials never become waste and nature is regenerated. In a circular economy, products and materials are kept in circulation through processes like maintenance, reuse, refurbishment, remanufacture, recycling, and composting. The circular economy tackles climate change and other global challenges, like biodiversity loss, waste, and pollution, by decoupling economic activity from the consumption of finite resources.

The circular economy is based on three principles, driven by design:

- [Eliminate waste and pollution](#)
- [Circulate products and materials \(at their highest value\)](#)
- [Regenerate nature](#)

Source: <https://www.ellenmacarthurfoundation.org/topics/circular-economy-introduction/overview>

Why Develop an Alberta Plastics Circular Economy Roadmap?

- Identified as a priority in APRA's 2026 Strategic Plan
- Aligns industry, government, and partners around plastics circularity
- Identifies areas for investment, infrastructure, and innovation
- Positions Alberta as a leader in plastics circularity – connection to the Natural Gas Strategy and Gov't objectives

Project Objectives

1. Produce a Plastics Circular Economy Roadmap that:
 - Identifies gaps, risks, and opportunities across Alberta's plastics ecosystem.
 - Outlines short- (1 year) medium (2-5 years), and long-term (5 Years) actions
 - Includes governance, performance indicators, and implementation considerations to monitor progress.
2. Establish a clear understanding of what is being measured and how it will be measured going forward, including:
 - An initial assessment of Alberta's plastics circularity rate (alignment with where AB fits within Canada's PCE landscape).
 - A gap analysis across the plastics lifecycle (production, consumption, recovery).
3. Convene a broad cross-section of the plastics value chain to:
 - Set shared priorities and goals for plastics circularity in Alberta.
 - Define what is needed to position Alberta as the Western Centre of Excellence for Plastics Circularity.
4. Ensure the roadmap considers externalities of the system including:
 - The global nature of plastics markets and commodity pricing.
 - The competitiveness and economics of Alberta's petrochemical and chemical sectors.

Scope of the project

- Scope: the plastic covered in the project is meant to represent residential and ICI plastics, though limitations will need to be set to focus on the industries and plastic types. (plastic touches every industry and use so there will need to be defined parameters to the main industries using plastics in the province).

Roles and responsibilities

- **APRA:** Project sponsor, convenor, governance lead, stakeholder coordination, some engagement, facilitation and project management.
- **Data Gathering Partner:** Technical research, analysis.
- **Engagement facilitation partner:** Critical role to ensure participants are actively engaged and aware of their contributions to the project.
- **Roadmap development/writer:** Takes the findings from the data partner and the engagement work and merges the two into the roadmap.
- **Steering Committee:** Strategic guidance, validation of findings, and alignment with sector priorities, willingness to review or implement recommendations.
- **Executive Working Group (from committee 4-5 representatives):** Decision-making, approval of scope and final deliverables, possibly some smaller pilot work or leading some sector-specific work.

Timeline

- Kick off meeting June 11
- Decide whether we proceed: July
- Launch funding secured: July/August
- Launch RFP: August/Sept

Timeline – completed in 12-18 mos

Year 1 (2026)

- Industry outreach and agreement to proceed (June)
- Funding Secured (Summer 2026)
- Issue RFP (Fall of 2026)
- Research, baseline assessment and gap analysis (December 2026)
 - Literature review and environmental scan
 - Material flow and circularity assessment
 - Industry and market analysis
- Engagement and engagement plan developed

Year 2 (early 2027)

- Roadmap development and deliverables

Partner/member organization invitations

- APRA Members
- External/nat'l partners (CPP, APR)
- Government
 - AB – Energy and Environment primary departments
 - ECCC
- Cities and municipalities
- Multiple ways to participate - invited committee and informed group

Examples of what we can achieve together

- Countless examples of member collaboration to incentivize investment, increase circularity and promote innovation.
 - Ag Plastics: Recycle It! Pilot program – over 5000 MT of grain bags and twine collected in AB – collaboration between multiple levels of government, producer groups, recyclers, processors, non-profits. Has led to the development of the Revolution Company grain bag facility in Bashaw and upgrades to the Merlin/Crowfoot Plastics recycling facility in Bassano and expansion of Cleanfarms in AB
 - Emissions Reduction Alberta (ERA) support for innovation, cleantech and the circular economy has invested \$1.1B in a total project value of \$10.9B (note this is all projects, not just CE)
 - AB Innovates has contributed more than \$10.5 million through the Bioindustrial and Circular Innovation Program for scale-up funding and commercialization – higher stages have moved to ERA.
 - Dow Canada- Advancing Circularity with Alberta Agricultural Plastics and Enhanced Polymer-Modified Asphalt
 - Plastic Research in Action (PRIA) projects on micro plastics, PP research and recyclability have been advanced by NAIT and IPL with multi-stakeholder collaboration



Plastics Europe Presentation

- David Carroll

Circle Economy

Breakout room activity

[Miro Link](#)

- How does this proposed roadmap align with your organization's priorities?
- What opportunities do you see for advancing a plastics circular economy in Alberta?
- What challenges do you see for advancing a plastics circular economy in Alberta?
- What outcomes would make this roadmap valuable for your organization?
- What concerns or considerations should we be aware of?
- Who else should be involved in the process?

What we heard

- Summary and next steps
- Survey link: <https://questionpro.com/t/AQ9q7Z9CGA>
- Any feedback or thoughts on involvement to Tammy
- Thank you!