



Integrating circular economy criteria in the City's Procurement Policy

Circular Procurement Summit
October 21, 2021

City of Richmond



The City of Richmond implemented the Environmental Procurement Policy & the Environmental Purchasing Guide by 2000

In 2015, the City integrated sustainable criteria into the procurement policy, which has reduced environmental impacts

In 2019 City's Council approved a plan to integrate circular economy practices into the City's procurement process

Council referral

1. Assess procurement processes in the focused areas for:

- establishing a well-defined framework that integrates circular economy criteria specific to Richmond activities and procurements;
- developing indicators for measuring results and impacts;
- assessing cost implications for circular economy considerations.

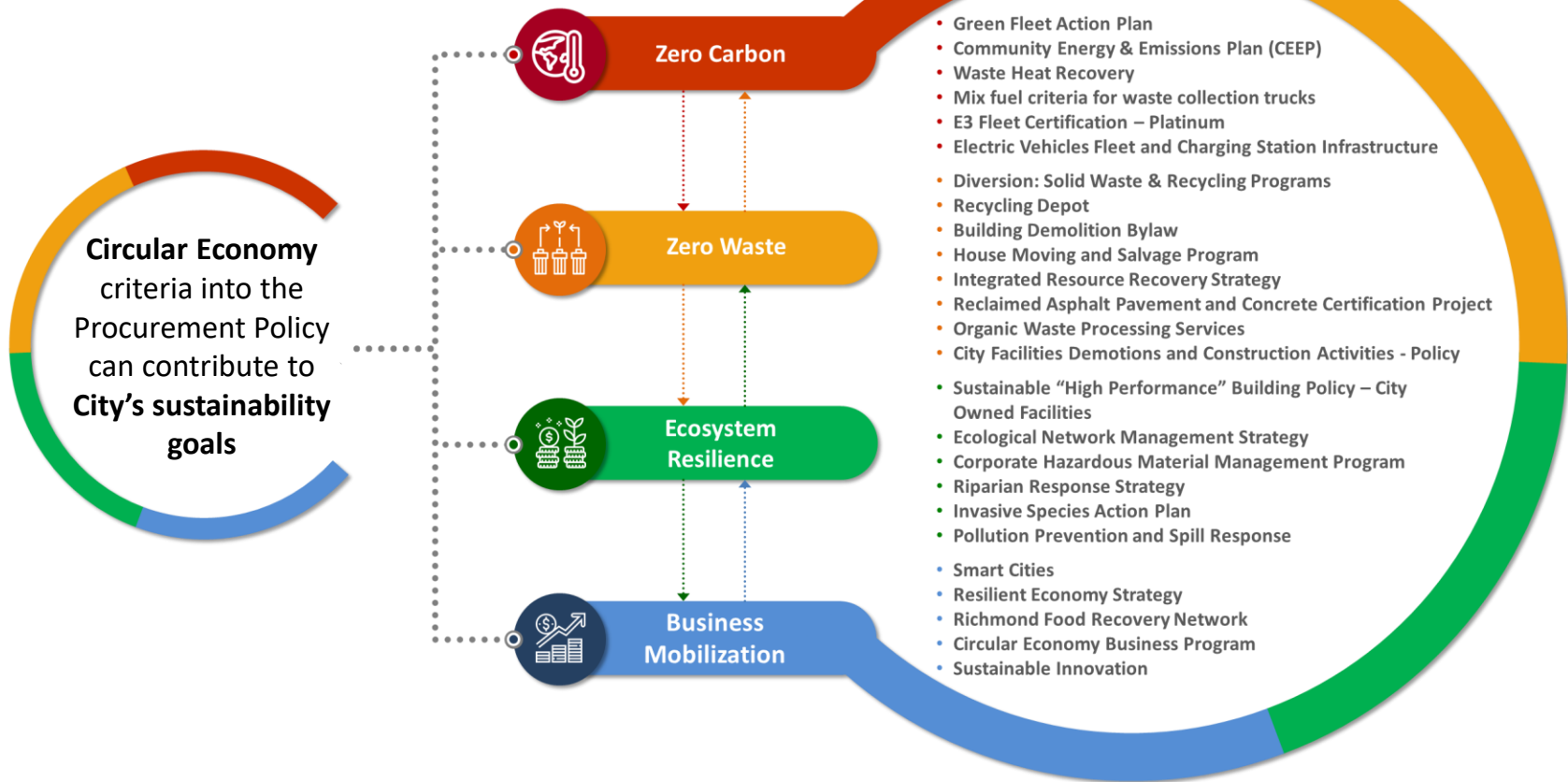
2. Initiate an interdepartmental engagement program to identify innovative solutions and specifications based on circular economy criteria and anticipated cost considerations.

3. Initiate external stakeholder engagement with vendors and local businesses to:

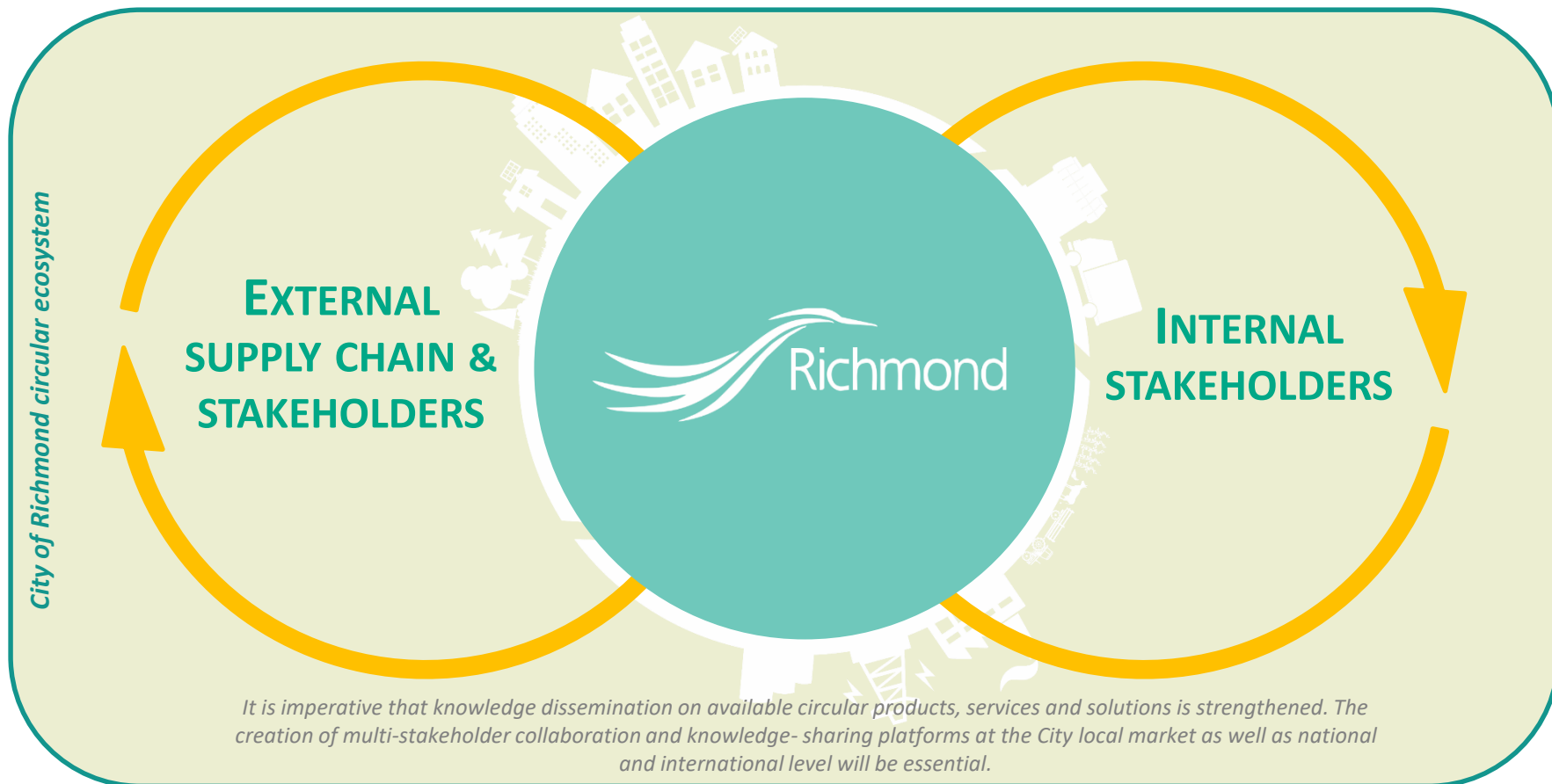
- inform vendors of the City's circular economy initiatives and expectations for their participation;
- identify and explore opportunities among stakeholders along the entire supply chain for products, services and solutions that address circular economy criteria;
- promote potential partnerships and work closer with industry that could interact and exchange with staff market knowledge and solutions providers.

February 2021 City of Richmond's Council endorsed the a set of procurement policy enhancements with circular economy criteria supported by costing information, guidelines, toolkits and indicators to implement the policy.

City's sustainability drivers



External Collaboration Is Crucial



Sector and Categories to organize circular procurement tools, guide and pilot projects



Construction and Infrastructure

- New construction (office/facility buildings)
- Demolition
- Renovation
- Paving
- Pump stations
- Park development
- Streetscape and boulevards
- Equipment and machines
- Public lighting
- Sanitary Sewer
- Outside furniture
- Roads/Laneways
- Dikes
- Multiple Use Paths
- Replacement of mechanical systems
- Roofing
- Utility infrastructure works
- Furniture



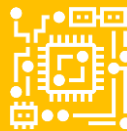
Fleet

- Heavy-equipment
- Passenger vehicles
- Trucks
- Fuels
- Garage and maintenance
- Tires
- Insurances



Services

- Consultants
- Catering
- Food
- Accommodation facilities
- Innovation
- Learning



IT

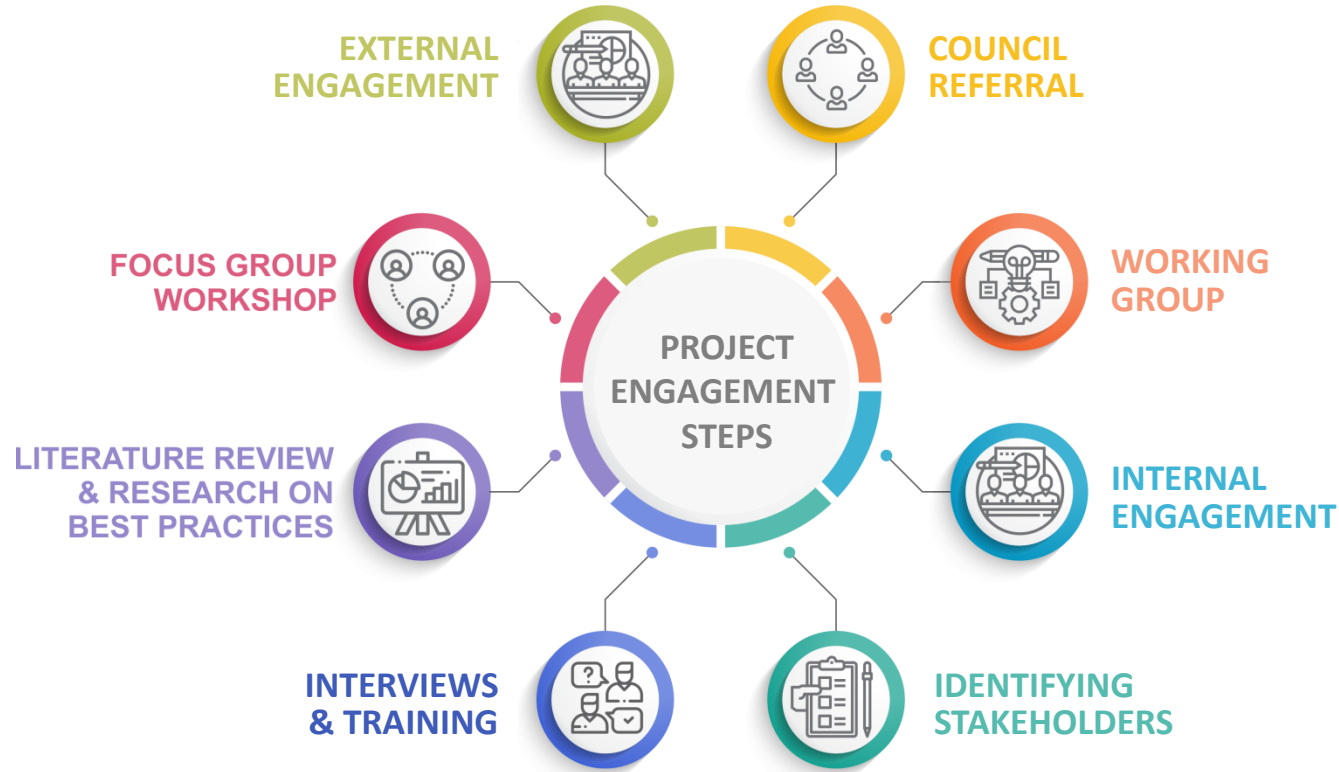
- Audio-visual equipment
- Networks infrastructure
- Telephone services
- Telephone equipment
- Data centre infrastructure
- Computers
- Software
- Print services



Facilities, Maintenance & Operations

- Pools and arenas
- Communities centres
- Preservation works
- Building renovation
- Renovations/ Demolition
- Office furniture
- Offices supplies
- Facilities lighting system
- Cleaning services
- Building management
- HVAC, machines and equipment
- Work-wear services/PPE
- Winter maintenance
- Cleaning public spaces
- Green spaces maintenance
- Outside furniture
- Pavement
- Traffic control system
- Public lighting
- Dikes / Pump stations
- Sewer

Internal and External Engagement Steps

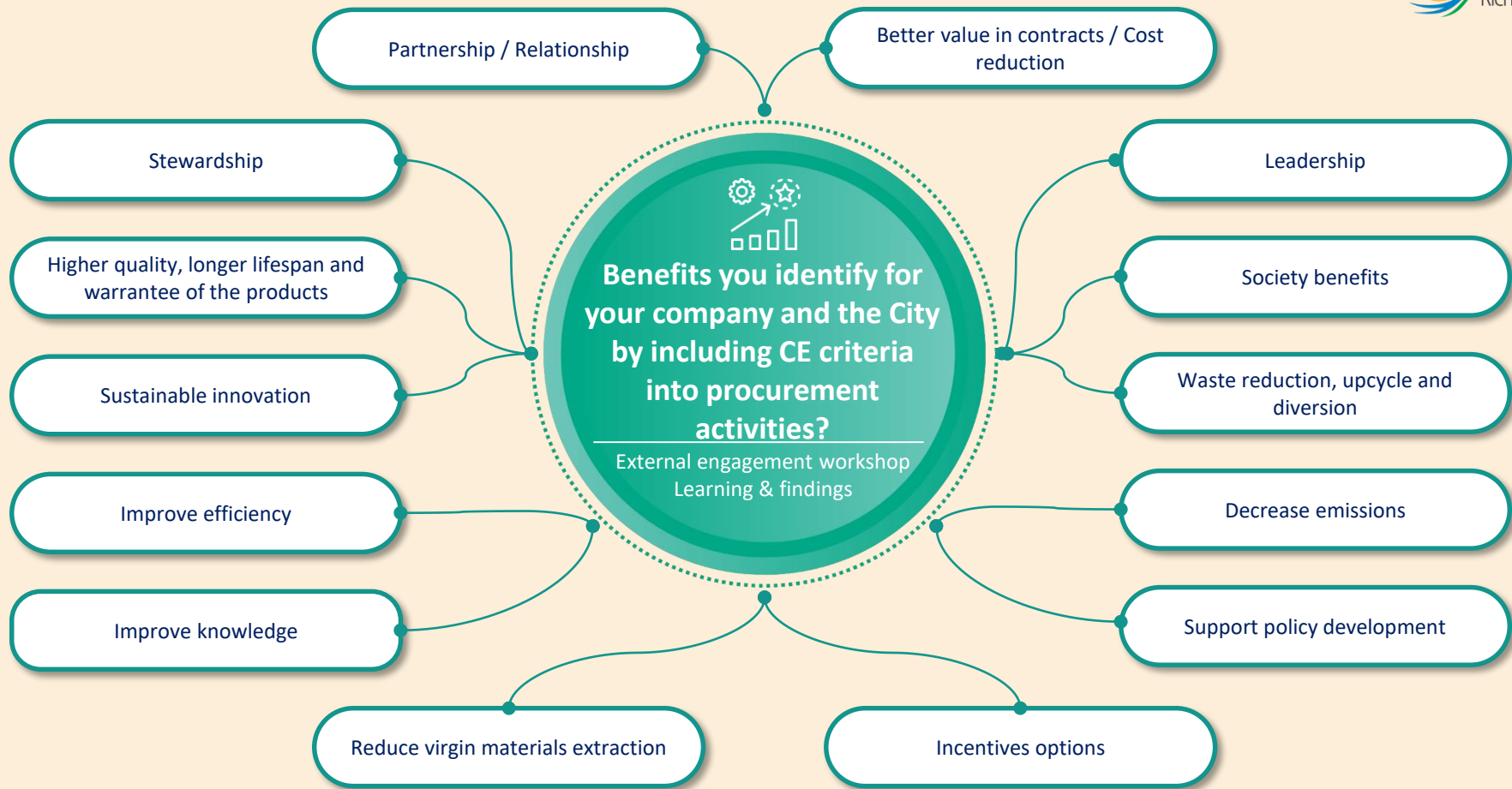


External Engagement Process (by Dec 2020)

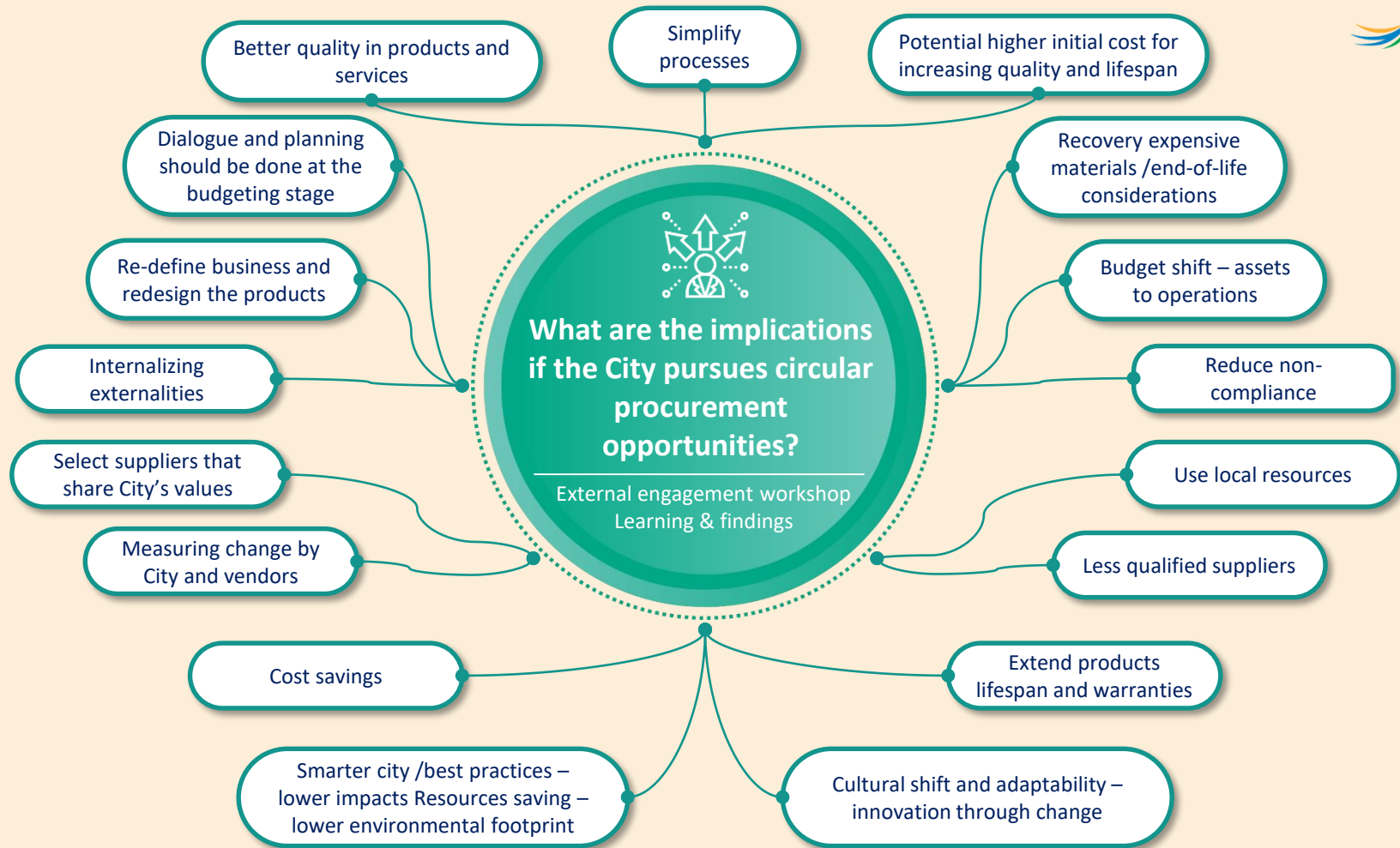
Activity	Number of participants
City of Richmond Website information regarding the Circular Economy	Public
Government Staff Interviews: 14 interviews with leading, early adopter cities and organizations around the world, at different stages of maturity with respect to circular procurement	4 Cities and 10 organizations
Stakeholder Workshop: Canada's first vendor-focused Circular Economy Engagement Workshop hosted and facilitated by the City of Richmond. More below.	45 companies + 30 City's staff
City's Economic Advisory Committee	Committee Members
Industry Interviews: 15 one-per-one interview with vendors and other external stakeholders	15 one-per-one interviews with vendors and other external stakeholders

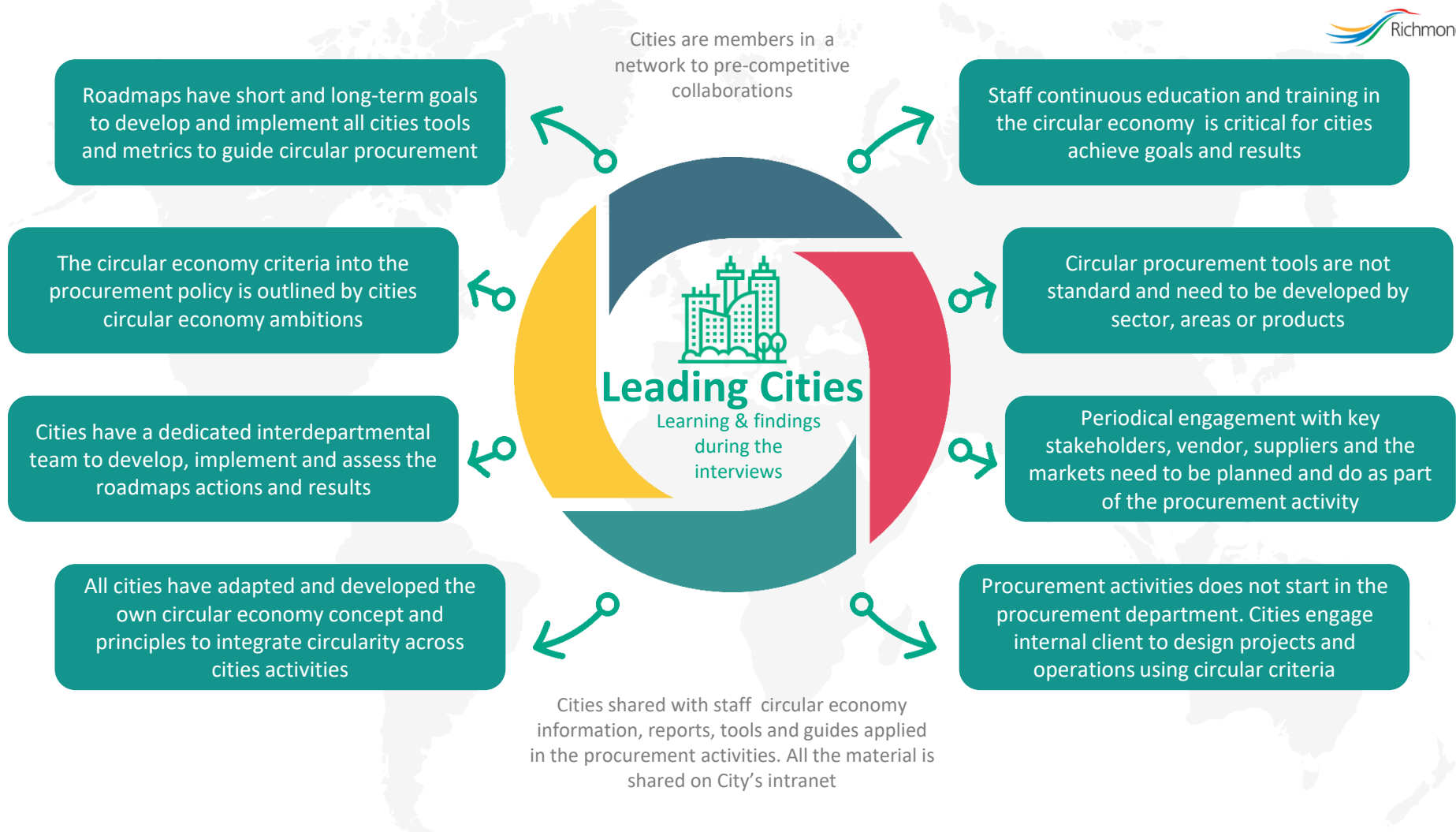












City of Richmond's vision

COMMUNITY

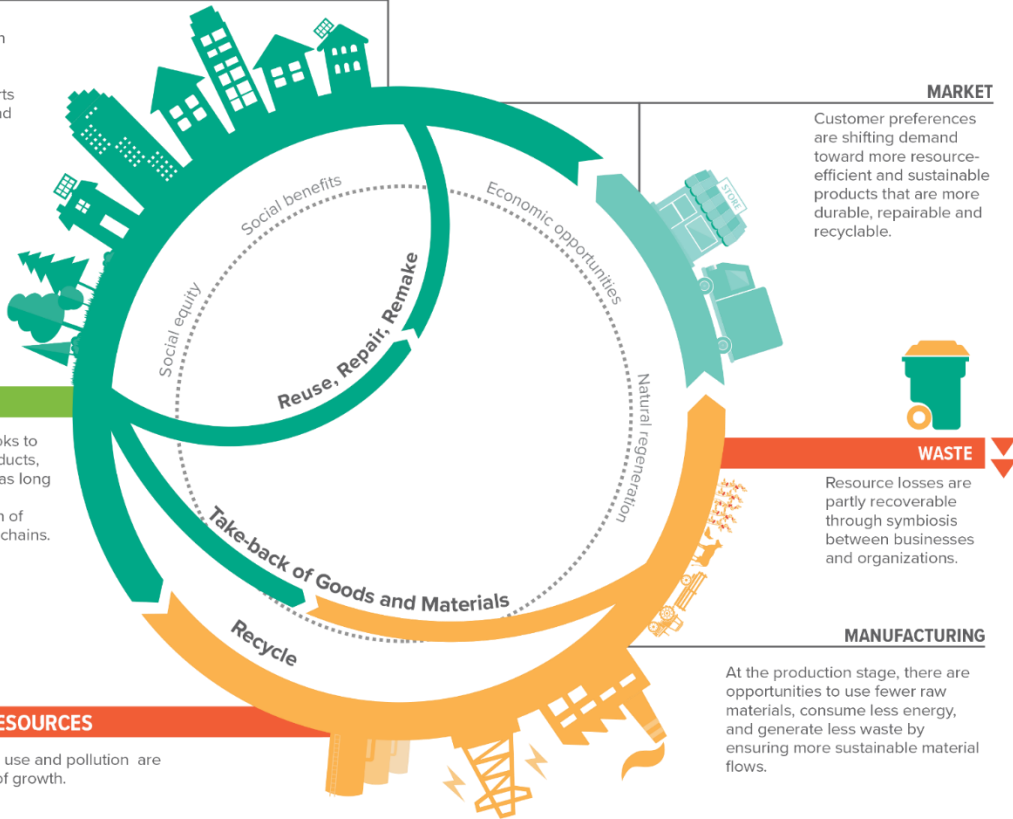
The principles of equality, solidarity, and cooperation between residents and business owners through community design supports increased social equity and local economic development.



The Circular Economy looks to maintain the value of products, materials, and resources as long as possible, including by minimizing the generation of waste throughout supply chains.



The rates of raw resource use and pollution are decoupled from the rate of growth.



MARKET

Customer preferences are shifting demand toward more resource-efficient and sustainable products that are more durable, repairable and recyclable.



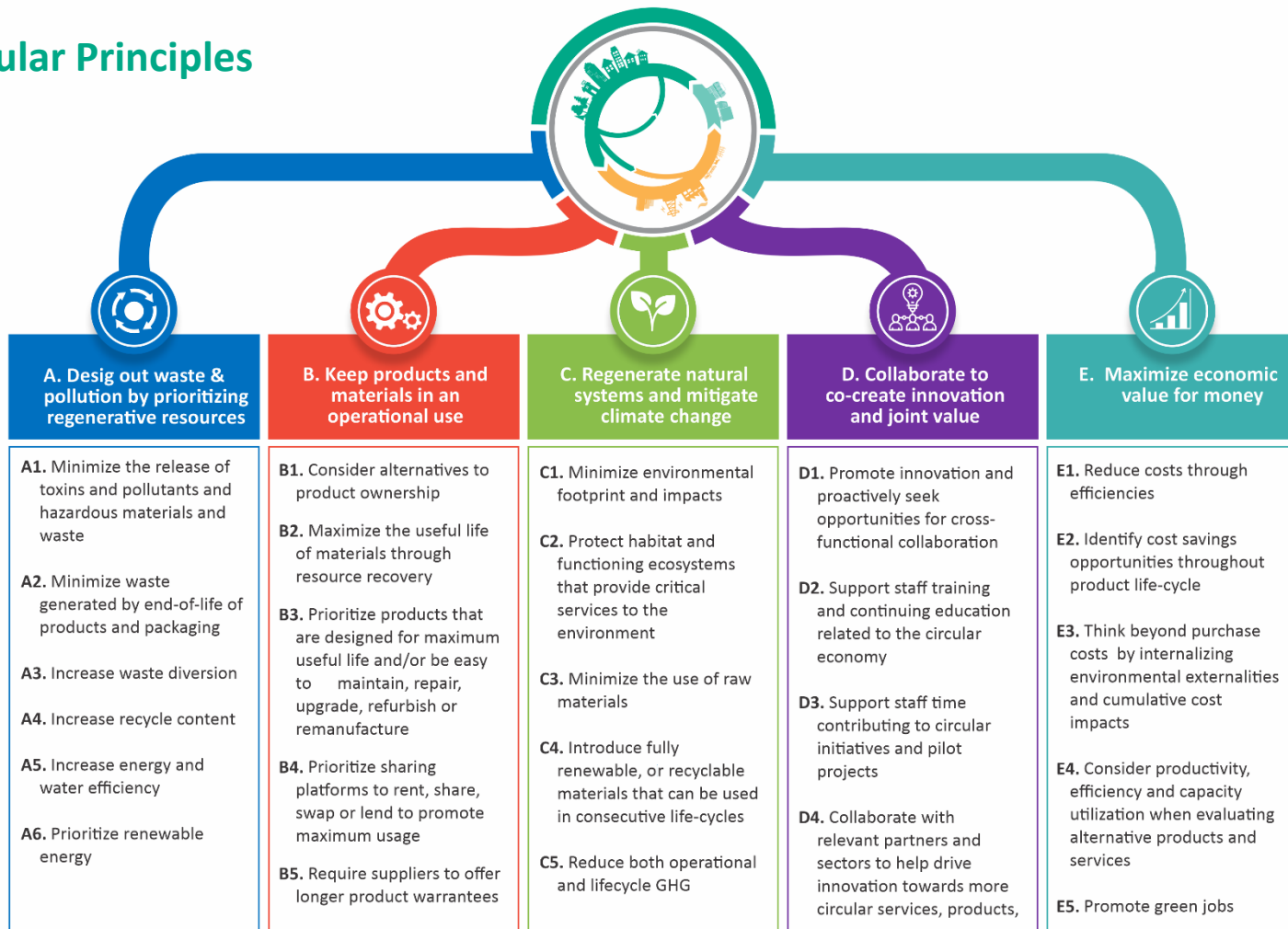
Resource losses are partly recoverable through symbiosis between businesses and organizations.

MANUFACTURING

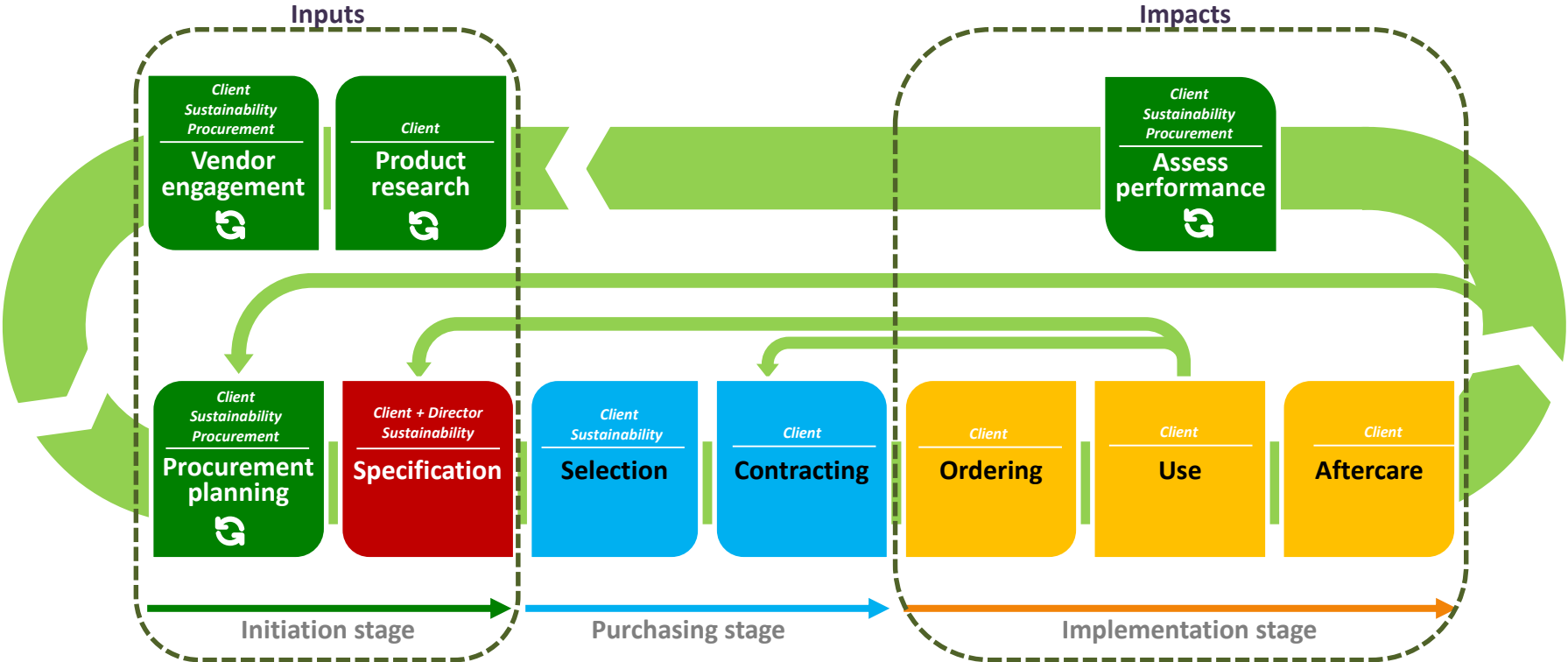
At the production stage, there are opportunities to use fewer raw materials, consume less energy, and generate less waste by ensuring more sustainable material flows.

The City of Richmond's vision for the circular economy is to maximize the value of resources by design through responsible consumption, minimizing waste and reimagining how resources flow in a sustainable, equitable, low-carbon economy.

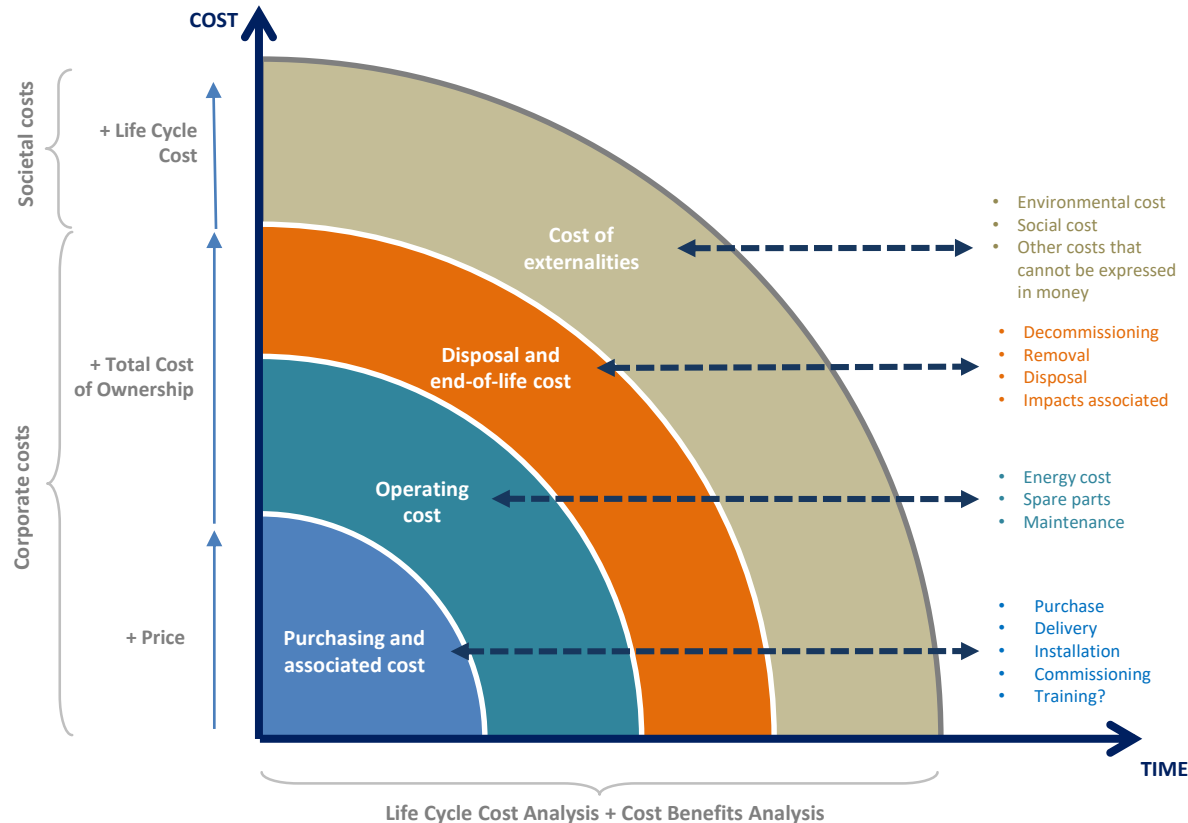
City's Circular Principles



Circular Economy Procurement



Integrating circular economy into the procurement process: The factor “TIME”



Adapted from British Standards Institution, The Sustainable Procurement Guide—Procuring Sustainably Using BS 8903.

This approach recognises that procurement decisions should not be based on purchase price alone, but should consider whole-of-life costs. As part of whole-of-life costing it is important to consider that the duration of the costing model should reflect the life of the product being compared: for example, disposable items versus reusable items which are guaranteed for a longer life span. It is also essential to incorporate the likely obsolescence of rapidly changing technology into the asset life calculations.

In some situations the sustainably preferable products or services may be more expensive to purchase, but will generate savings throughout their life through reduced requirement for maintenance/repair, reduced running or energy costs, improved end-of-life value or reduced social costs.

Implementation Activities

The following activities are being undertaken to advance the implementation of circular economy principles in City's procurement activities:

**Education, Change-
Management and
Capacity-Building**



**Staff Collaboration
and Support**



**Shared Learning and
Pilot Projects**

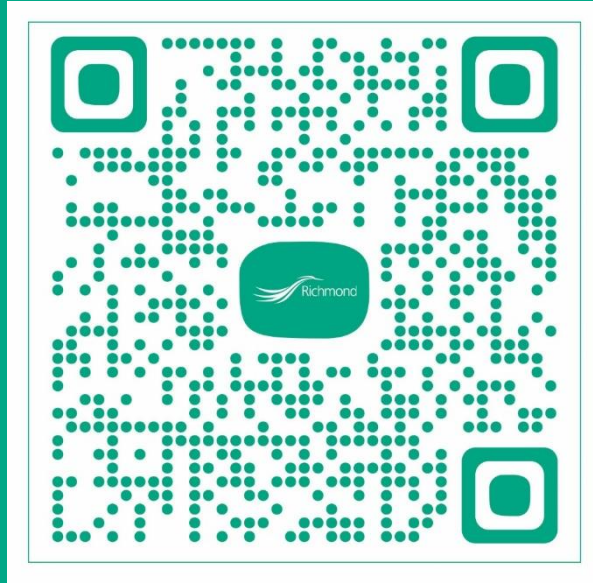


**External Market
Engagement**



**Update Procedures
and Guidelines**





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