



Food waste: complex problem, major opportunity

DIVERT NOVA SCOTIA – MARCH 2, 2017

Malcolm Brodie

CHAIR, NATIONAL ZERO WASTE COUNCIL; MAYOR, CITY OF RICHMOND, BC

Vision

Canada united in the achievement of zero waste, now and for future generations.

Mission

To act collaboratively with business, government and the community, at the national and international level, as an agent of change for waste prevention and reduction in the design, production and use of goods.



BC Bottle & Recycling Depot Association





City of Burnaby



City of Vancouver



SURREY
BOARD OF TRADE



Saskatchewan Waste Reduction
Council



Construction Resource Initiatives
Council



ECODAS



Globe Group



Green Chair Recycling



Township of Langley



Vancouver Board of Education



Kwantlen Student Association



London Drugs



Granville
Island



PAC next



Recycling Council of BC



Areas of focus

Food

Advocate for prevention of food waste by policy change, fiscal incentives, public engagement

Circular Economy

Engage leaders, facilitate adoption of circular approaches across Canadian economy



Product Design & Packaging

Convene conversations, promote best practices in product and packaging design for waste prevention

Construction & Demolition

Advance waste prevention & reduction in the C&D sector

Priority: Reducing food waste, nationwide

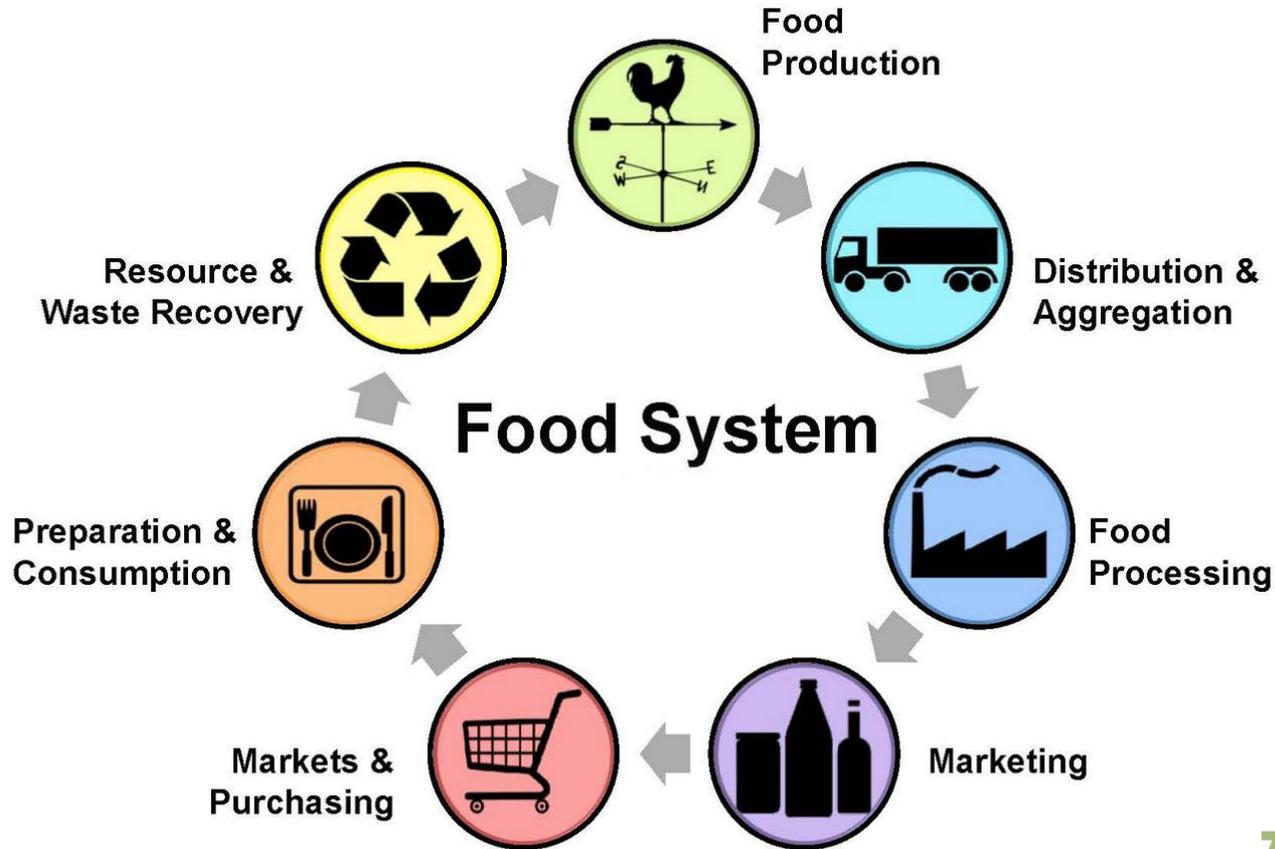


Food Waste: a global problem



Waste of labour, water, & energy





\$1.2 trillion/year of food is lost or wasted



Sustainable Development Goals



TRANSFORMING OUR
WORLD:
THE 2030 AGENDA FOR
SUSTAINABLE
DEVELOPMENT

1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



Ensure access to
affordable, reliable,
sustainable and modern
energy for all

8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



15 LIFE
ON LAND



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



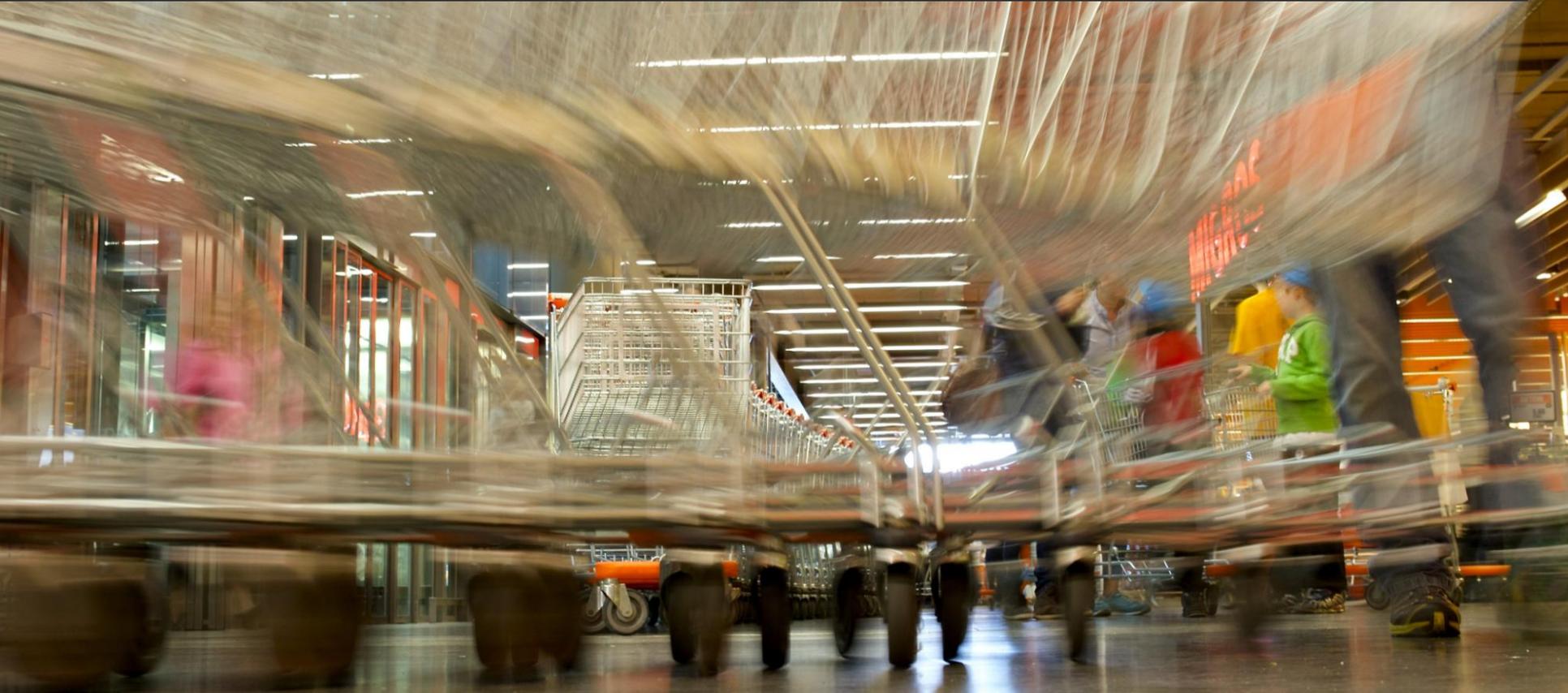
Governments are beginning to act

Italy Spain France Denmark
France Denmark United States
United States United Kingdom
United Kingdom Italy Spain
Italy Spain France Denmark
France Denmark United States

US target triggered action at different levels



Businesses worldwide are seizing opportunities



Preventing waste, building circular economies

CIRCULAR

PREVENTING WASTE, BUILDING CIRCULAR ECONOMIES



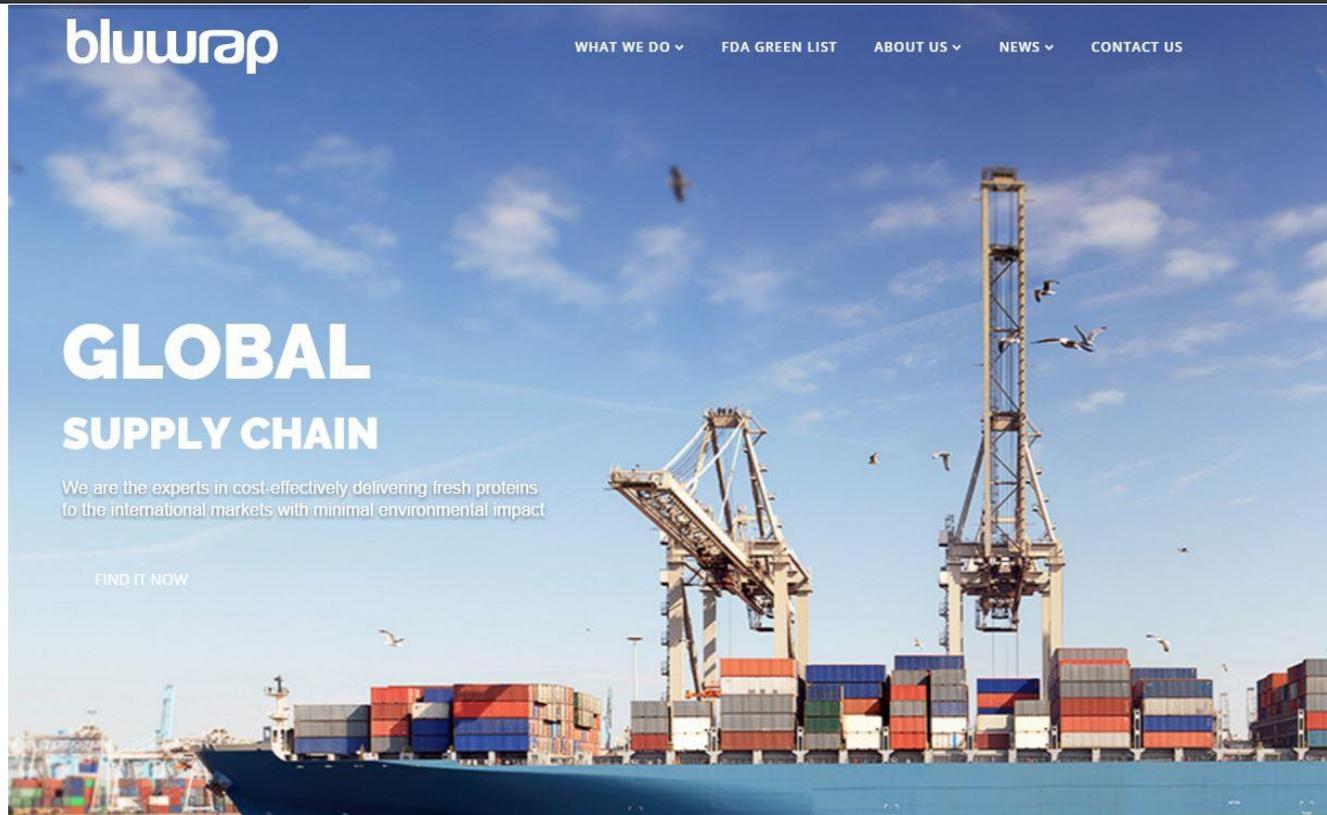
Honing in on food
waste: A rich business
opportunity, worldwide

BY THE NATIONAL ZERO WASTE COUNCIL
| JANUARY 13, 2017

[READ MORE](#)



Businesses of all kinds are cashing in



bluwrap

WHAT WE DO ▾ FDA GREEN LIST ABOUT US ▾ NEWS ▾ CONTACT US

GLOBAL SUPPLY CHAIN

We are the experts in cost-effectively delivering fresh proteins to the international markets with minimal environmental impact

FIND IT NOW



Community groups are also major players

SAVETHEFOOD.COM

TIPS

COOK IT

STORE IT

JOIN US

**FORTY
PERCENT**

OF FOOD IN AMERICA
IS WASTED.



Make a change

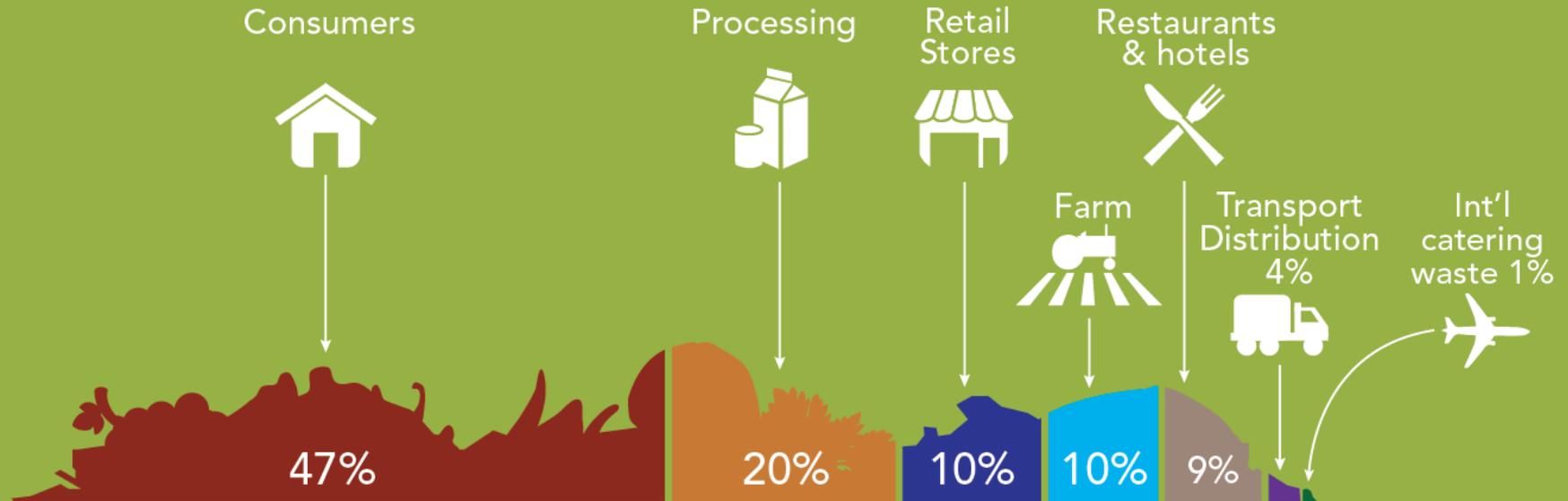
zeroWASTE
NATIONAL ZERO WASTE COUNCIL

Canada's food waste problem



Distribution of Canadian food waste

Where food is wasted in Canada's food value chain



(Source: \$27 billion revisited: The cost of Canada's annual food waste, VCM International, 2014)

Food waste burdens our economy



Environmental impacts of food waste



LANDFILL

Underground, without exposure to oxygen, organics create methane gas.

Total cost of wasted resources: \$100 billion

Wastes associated with uneaten food include:

- Energy
- Water
- Labour
- Capital investment
- Infrastructure
- Machinery
- Transport, etc.

Benefits of preventing food waste

- Economic
- Environmental
- Social

Canadians are responding, but need national leadership



NATIONAL FOOD WASTE REDUCTION STRATEGY



Support for one element of our strategy runs deep and wide: tax incentive

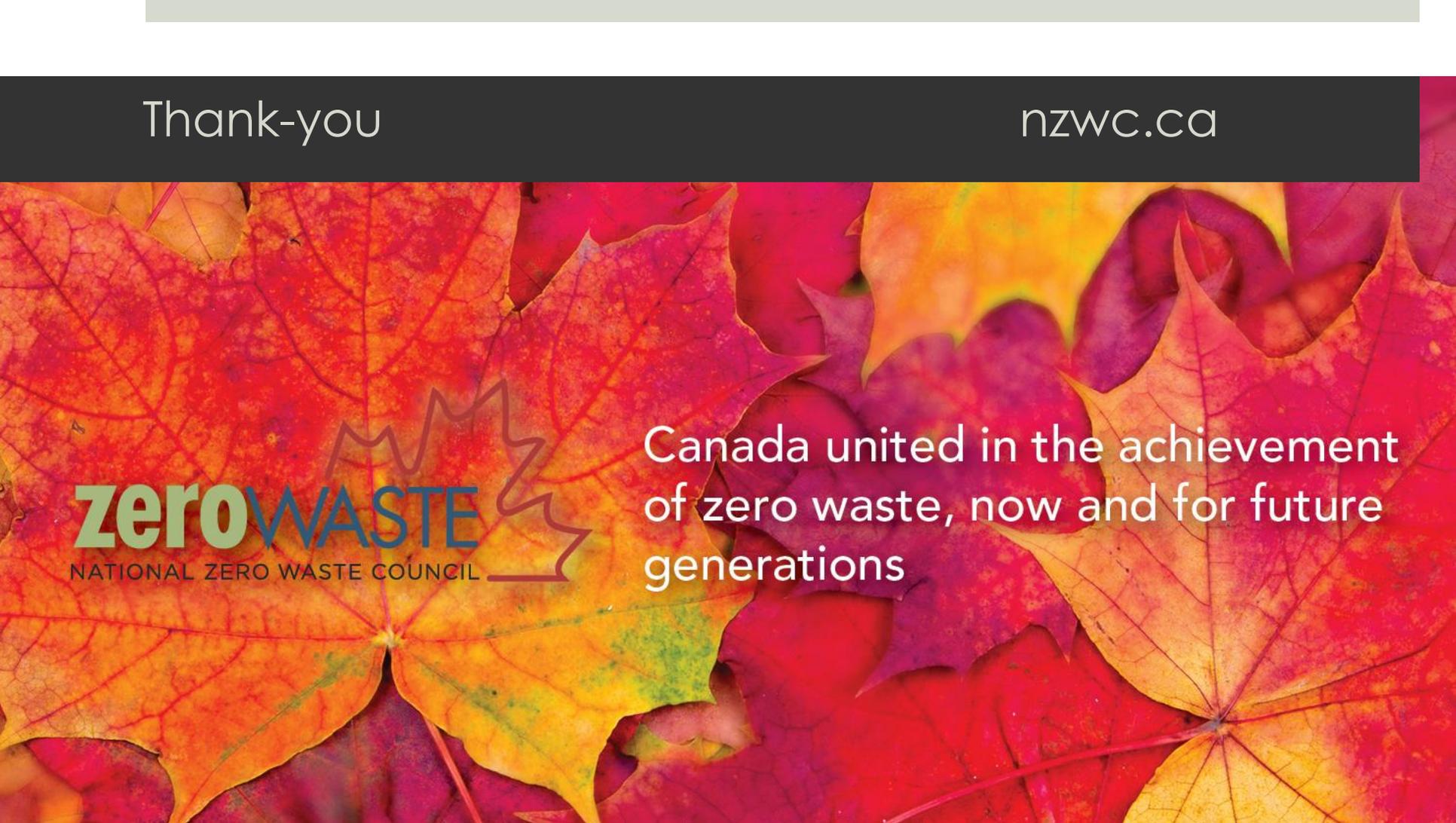


What do you think of our strategic proposal?



Thank-you

nzwc.ca



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generations