



Local Government Perspective

RECYCLING AND REGIONAL WASTE MANAGEMENT

Paul Henderson, PEng

GENERAL MANAGER SOLID WASTE SERVICES, METRO
VANCOUVER

UBCM Workshop, September 26, 2019



metrovancover
SERVICES AND SOLUTIONS FOR A LIVABLE REGION



Overview

- Strategic Directions
- Solid Waste Management priorities
- New initiatives and key issues

Metro Vancouver Solid Waste Strategic Directions



**1. Managing our
solid waste**



**2. Ensuring
financial
sustainability**



**3. Fostering
collaboration
and engagement**

Regional Diversion Targets

- 70% diversion by 2015
- 80% diversion by 2020 aspirational goal
- 10% per capita waste reduction

Achieved 63% diversion in
2017
(Canadian average 26.5%)



Zero Waste Goals: Reduce and Recycle

WE BUY 3 TIMES MORE CLOTHES
THAN WE DID IN THE 80s



THINK THRICE
ABOUT YOUR CLOTHES

REDUCE, REPAIR AND RE-USE TO MINIMIZE WASTE
For tips and insights, visit clothesarentgarbage.ca

- Love Food Hate Waste
- Food Scraps Aren't Garbage Campaign
- Clothing and Textiles Campaign
- Christmas Campaign
- Single-Use Item Reduction Toolkit for members





Business

Government

Community
Groups

Food

Product
Design &
Packaging

Circular
Economy

Construction
Renovation
& Demolition

Plastics

An initiative of Metro Vancouver, the National Zero Waste Council provides cross-sectoral leadership to advance waste prevention in Canada and the transition to a circular economy.

A FUTURE WITHOUT WASTE

Mobilizing for Success in the Circular Economy

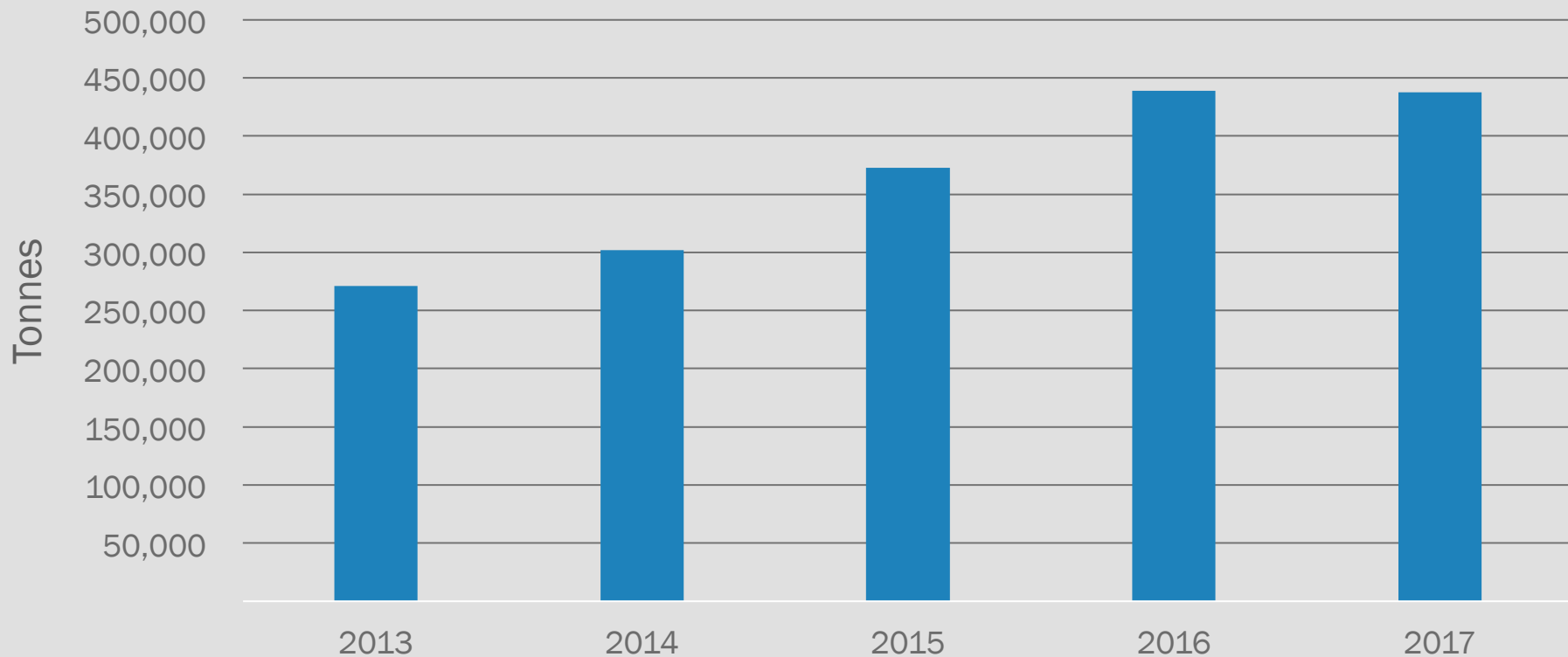
metrovanvancouver



FIND OUT MORE AT ZWC.CA

ZERO WASTE CONFERENCE | VANCOUVER | OCT 30-31, 2019

Regional Organics Recycled





City of Surrey Biofuel Facility

- Outputs: renewable natural gas and compost product
- Enclosed facility with advanced odour control system
- Operating since 2018

Metro Vancouver Solid Waste System



New Transfer Stations Maximize Recycling Opportunities



Coquitlam Transfer Station Replacement



Surrey Recycling & Waste Drop-Off Facility

- Recycling depots
- Variety of free and paid recyclables
- Flexible design
- Multiple scales and onsite queuing

Waste-to-Energy Facility Bottom Ash Beneficial Use

- 42,000 tonnes per year of bottom ash
- New non-ferrous system
 - Recovers ferrous and non-ferrous metal
 - Improves bottom ash properties
- Initiating procurement for beneficial use of bottom ash



Alternative Fuel and Recyclables Recovery Centre Business Case



- Develop at Coquitlam Landfill
- Recover recyclable materials and alternative fuel
- 50,000 to 60,000 tonnes/year of small vehicle waste
- Reduce greenhouse gas emissions by 70,000 to 85,000 tonnes per year

Regional Solid Waste Management Key Issues

- Unstable recycling systems
 - increasing costs
 - reduced access to facilities/markets
- Financial sustainability - Generator Levy
- Continuing to advance Zero Waste and Circular Economy
- Public awareness of single use and ocean plastics
- Illegal dumping/unintended consequences