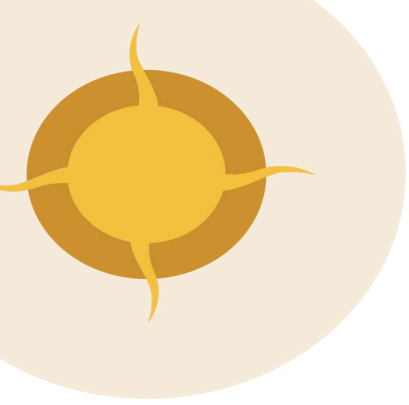




Industry & Partner Organizations

Preparing a Solid Waste Management Plan West Region



Presenters



Lucinda Phillips

Indigenous Zero Waste Technical
Advisory Group (IZWTAG)



CJ Schuler

Indigenous Zero Waste Technical
Advisory Group (IZWTAG)



Bill Paton

Major Appliance Recycling
Roundtable (MARR)



IZWTAG

INDIGENOUS ZERO WASTE
TECHNICAL ADVISORY GROUP

First Nations Land Management Resource Centre
Strengthening Environmental Governance Through Solid
Waste Management Workshop

June 2026

Outline

- About IZWTAG
- Board Members
- Vision/Mission Statement
- Programs and Services
- Circuit Rider
- New Initiatives/Programs
- Supplies (provide to Communities)
- Earth Day Grant - Update
- Partnerships
- Funding
- Challenges and Opportunities



About IZWTAG

- Registered Non-Profit Society in 2019



Calvin Jameson - President



Roger Vickers - Vice President



Shawn Quick - Director



Tania Solonas - Treasurer



Rick Dobbs - Director



Isaiah Robinson - Director



Bernard John - Director

IZWTAG Strategic Plan

- **Vision:**

To live in an environment where Mother Earth's water, land, and air are restored and preserved respectfully now and for future generations.



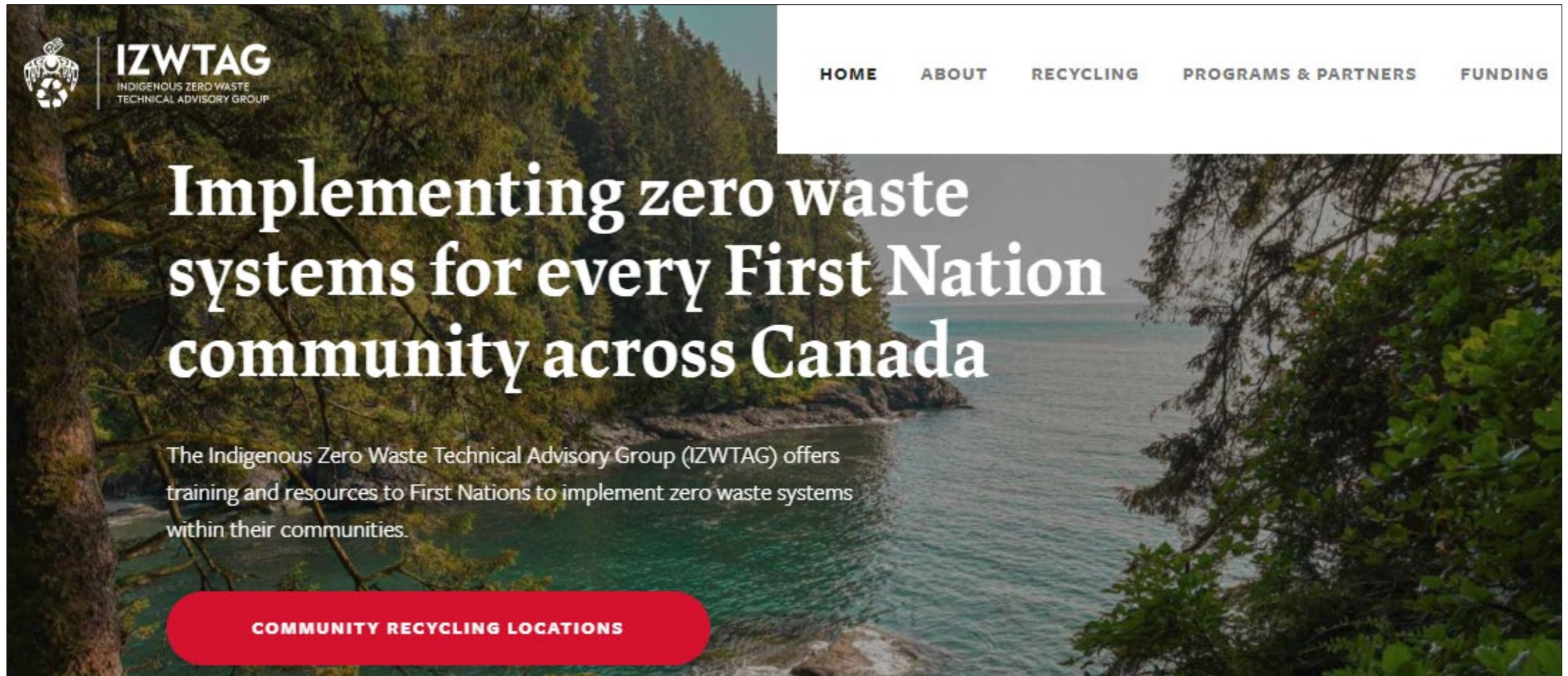
IZWTAG Mission

IZWTAG is an **Indigenous-led** organization that supports BC First Nations communities **to achieve zero waste** through programs, training, expertise, research, and advocacy.

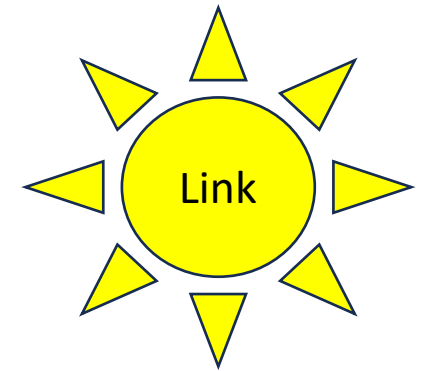


Core Programs & Services

- Website: **izwtag.com**



- Website **izwtag.com** learning portal: ***connect***



Core Programs & Services

Training

Zero Waste Operator Training :

- Offered jointly with SWANA
- Level 1 and Level 2
- Indigenous Instructors

Technical Training Module:

- 1st Technical Training Module
(partner with BCUOMA)

Recycle Champion Training:

- Offered by IZWTAG



- Training schedules and registration at izwtag.com

Core Programs & Services

Zero Waste Circuit Rider Program

To ensure proper operations and maintenance activities and to support technical/operational employees of the solid waste management systems in First Nation communities.

(Modelled on the First Nations Water & Waste Water Circuit Rider program)



- Initiated by IZWTAG in 2020
- Funded by ISC

Zero Waste Circuit Rider

On-site Services

- Set up zero waste operations
- On-site training for crew
- Equipment repairs
- Stockpile clean-ups
- Collaboration with Product Stewards, Regional Districts and recycle companies



Zero Waste Circuit Rider

Advisory Services

For new Community Zero Waste Systems
(as member of planning & engineering team):

- On-site feasibility assessments
- Design review
- Equipment specs
- Commissioning

New Community Zero Waste Systems
are set up through the
B.C. First Nations Zero Waste Program.

For eligible nations, ISC funds:

- Capital infrastructure/Equipment
- Operations & maintenance (O&M)
- Waste/recycling transfer & disposal

To join the program, email

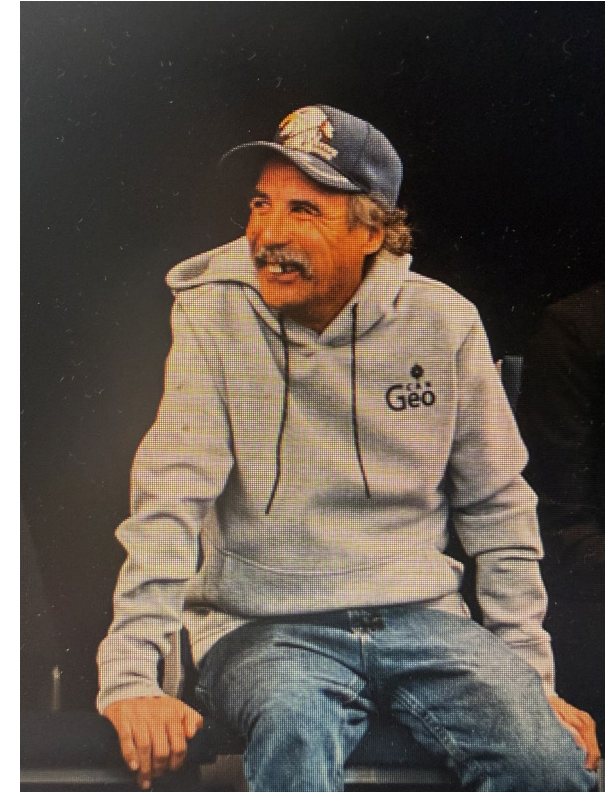
Rachelle.Ormond3@sac-isc.gc.ca

Core Programs & Services

Annual IZWTAG Day

- Held in April each year (April 06-09, 2026)
- For Members and Associate Members
- Learning and Networking
- Celebrating and Recognizing Outstanding Performance

- Lucinda
- IZWTAG Day 2026



- Eddie Brown – West Moberly
- IZWTAG Day 2025

Types of Systems

- Mobile Eco-Depot
- Eco-Depot
- Transfer Station



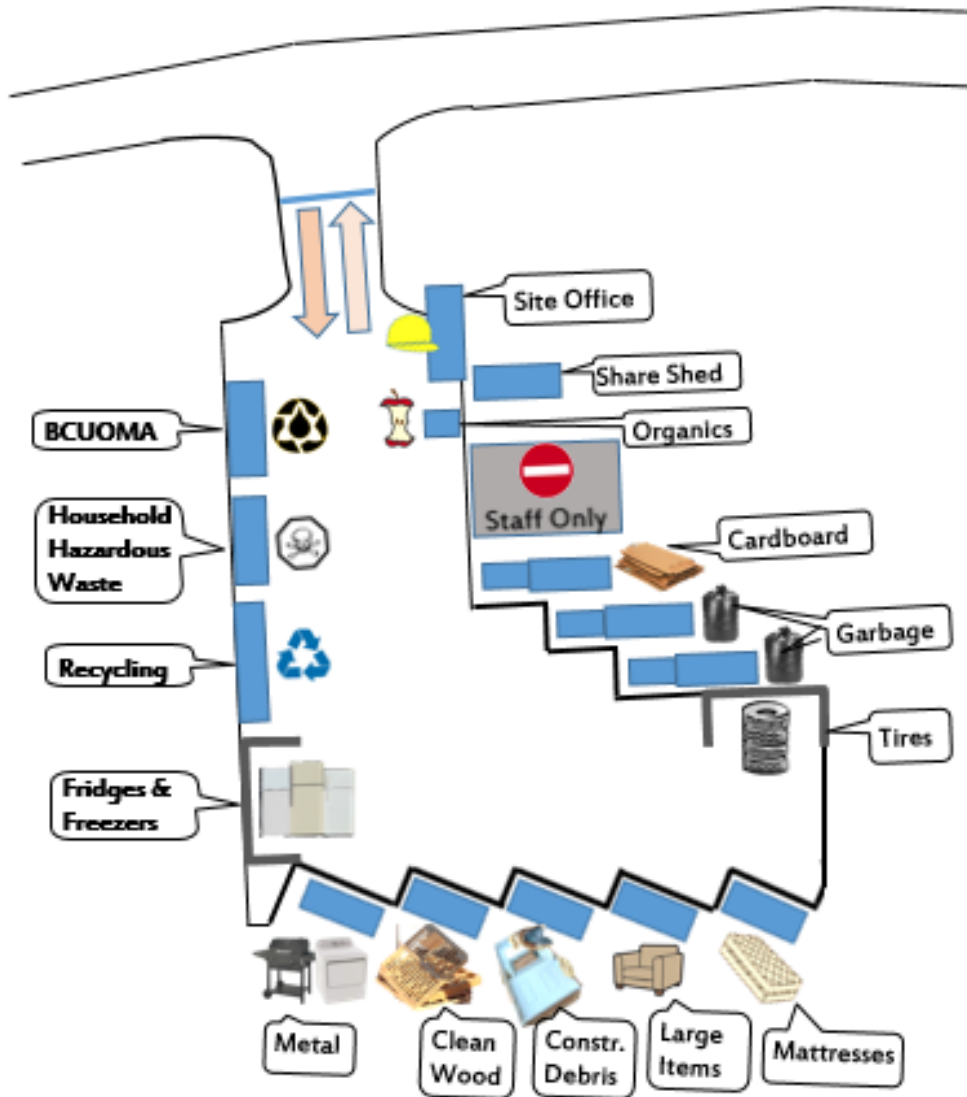
Mobile Eco-Depot



Eco-Depot



Transfer Stations



New Initiatives/Programs

Waste Reduction Coordinator



Responsibilities:

WRC – works with communities to develop and roll out zero waste recycling and composting programs. Her roll includes training local crews and recycle champions both on the ground and in the classroom, helping communities to build strong, sustainable systems. She leads community engagements and education sessions to support ongoing waste reduction participation, FNRI removals and community clean-ups. She also provides ongoing support for operators and champions both in new and existing programs. She also helps to enhance existing programs by re-educating both community members and operators to improve collection systems and participation.

New Initiatives/Programs

FNRI Manager



FNRI Initiative represents 13 Stewardship Agencies.

1. Brewers Recycled Containers
2. Used Oil (Interchange)
3. Call2Recycle
4. Canadian Battery
5. Electronic Products recycling Assoc
6. Encorp Pacific
7. Health products Stewardship
8. Major Appliances
9. Outdoor Power Equipment
10. Product Care Association
11. Recycle BC
12. Heating, Refrigeration and Air Conditioning
13. Tire Stewardship BC

To provide FN's communities with assistance, information and resources to develop, install and sustain environmentally responsible waste management systems.

Contacting FN communities through active outreach to achieve or exceed the number of FNRI community clean ups.

Ongoing partnerships/relationships with FN's communities, Regional Districts, Product Stewards, Indigenous Service Canada and of course with IZWTAG.

Anyone is more than welcome to contact Tim at anytime at tames@fnri.ca

Ongoing Initiatives



In-Tent Planning

Emily Chu – works with IZWTAG when it comes to communities approved to be onboarded with IZWTAG.

- Involving the community and integrating local knowledge in the planning, design and implementation of feasible, long-lasting, cost-effective and adequately-funded systems.
- Anyone looking to be onboarded with IZWTAG please feel free to contact Rachelle Ormond at ISC at Rachelle.ormond3@sac-isc.gc.ca

Onboarding/Feasibility with Communities

- Engineer on contract basis
- Community Planner on contract
- Patrick Donaghey & Emily Chu

Supplies (purchase/provide to communities)

- PPE's (gloves, vise vests, eyeglasses)
- Eye Wash Stations
- Fire Extinguishers (Building/Trucks)
- Recycling Bags (red, blue x2, yellow)
- First Aide Kit's
- Mega Bags
- Winter Tire Chains
- (if needed, Jora's, bear proof bins)



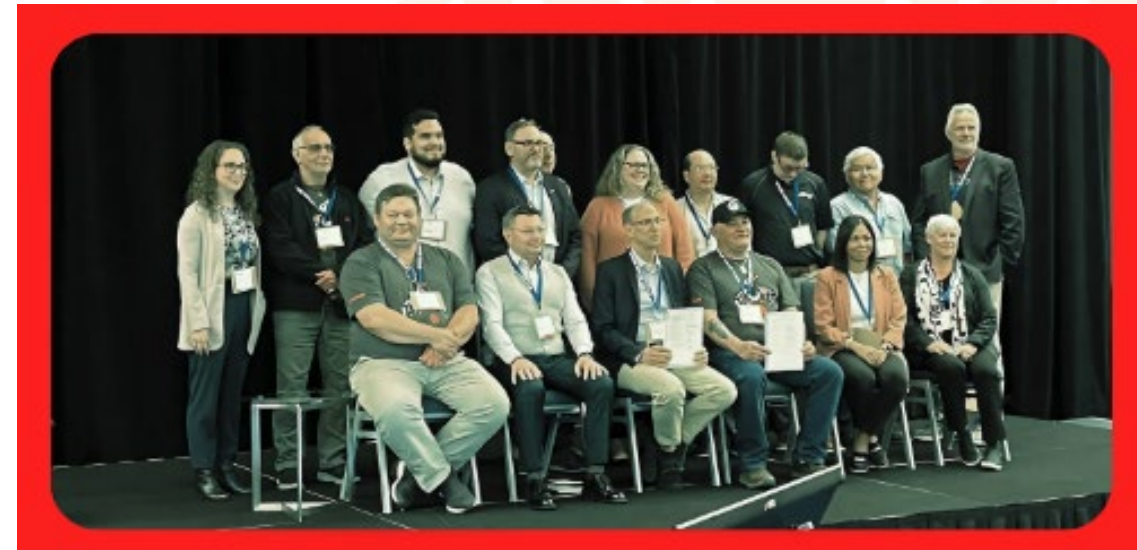
Earth Day Grants

- IZWTAG available to assist with grant applications
- To-date we have assisted the following for 2025
 - 35 Communities Participated
 - \$238,697 Paid out to Communities
 - 19-Community Clean ups
 - 7-Earth Day BBQ Events
 - 6 school Gardens
 - 2 Composting systems
 - 1- Community Garden



Partnerships

- Indigenous Services Canada
 - Lands and Economic Development
 - Community Infrastructure
- Province of British Columbia
 - Ministry of Environment and Climate Change Strategy, Weekly Meeting with Province of BC
- FN Schools Association
- Solid Waste Association of North America (SWANA)
- Product Stewards (signed agreement with 13 of them)



Funding

- Core funding by Indigenous Services Canada (ISC)
 - To deliver zero waste programs and services to BC First Nations
 - Annual proposal
- Fee for service
 - Specific contracts for services (Province of British Columbia , Ministry of Environment and Climate Change Strategy)
 - Administration for ISC projects
- Annual Member Fees
 - Nominal General Member Fees
 - Associate Member Fees



Challenges and Opportunities

- Biggest challenge is the high demand for IZWTAG services
 - 203 BC First Nations (Currently working with 125+)
 - National and international interest
- Adding in-house and indigenous capacity
 - Circuit Riders need particular skill set
 - Annual funding cycle
 - Indigenous Instructors
 - Indigenous Engineers



Thanks!





Strengthening
Environmental
Governance through
Solid Waste
Management
2026 CONFERENCE

Presented by Bill Paton, MARR Field Services



About MARR

The MARR stewardship plan received the approval of BC's Ministry of Environment on June 29, 2012. Renewed June 30, 2025.

Today it is the only approved stewardship plan for major appliances in the province.

Currently, there are over 200 MARR collection sites.





What does MARR collect ?



- ☐ Refrigerators, wine coolers and beverage centers
- ☐ Freezers
- ☐ Portable, room and window air conditioners
- ☐ Portable Dehumidifiers
- ☐ Ranges, built-in ovens and surface cooking units
- ☐ Built-in and over the range microwave ovens
- ☐ Range hoods
- ☐ Clothes washers and dryers
- ☐ Dishwashers
- ☐ Food waste disposers and trash compactors
- ☐ Electric beverage dispensers



What is right for your community: Collection site, collection event or collection bin ?

- Community size
- Community location
- Accessibility
- Challenges
- Process qualification





Collection Bins



MARR dedicated 40-yard roll-off bin



15 active bins in First Nations communities



2025 Collection Events/Bin Exchanges

50+ successful collection events organized in the past 5 years, in collaboration with IZWTAG and FNRI.



BC First Nations Recycling Initiative





Refrigerant gas removal training



Training session in Port Hardy. Attendees from Regional District of Mount Waddington and Kitasoo Nation



ODS recovery - Equipment





ODS recovery - Preparation





Haida Gwaii cleanup 2024



MARR subsidized a 6 month program, removing 47 flatdeck trailers of compressed and loose scrap metal, removing over 1300 metric tonnes from 2 different landfills.



Interested in a collection bin or collection event?



FNRI: Tim Ames | tames@fnri.ca
IZWTAG: Emily Chu | echu@uniserve.com
Calvin Jameson | calvin.jameson@hotmail.com





Questions ?





Chris Campbell
Acting Executive Director
(604) 780 1245
ccampbell@marrbccollab.ca

100–4259 Canada Way
Burnaby, BC V5G 4Y2

info@marrbc.ca | 1-888-252-4621

[LinkedIn](#) | marrbc.ca | largeappliance recycling.ca

Group Workshop Activity

2026 Solid Waste Community Profile

About the Community
XYZ First Nation is a slowly growing community focused on long-term environmental stewardship, infrastructure planning, and community well-being. Recent growth, increased waste volumes, and concerns about existing waste systems have led the community to begin developing a solid waste management plan.

Community Snapshot

- Population: 1,222
- Households: 426
- Growth trend: Steady increase
- Distance to landfill: 23 km

Projected Growth

POPULATION GROWTH	HOUSING DEVELOPMENT	PROJECTED WASTE VOLUMES	INFRASTRUCTURE & SERVICES	CURRENT PARTNERSHIPS
1,222 people in 2024 Projected 1,320+ by 2034	30 new housing units planned over the next 10 years	Estimated waste volumes may increase by 10-15% over the next decade	Projected waste volumes may place additional pressure on current transfer station capacity	1 Waste hauling and landfill services are coordinated through municipal partnerships

Solid Waste Management Planning Activity

Instructions

For this activity, you and your table group will work together as a planning team for XYZ First Nation to develop a Solid Waste Management Plan.

You will discuss ideas, analyze information from the provided Community Profile, and make planning decisions in the best interest of the community.

As a group, complete each section of the activity during the provided activity time after each selected presentation.

Introduction

1.1 Introduction and Purpose
Think about a solid waste management plan and why it is important for XYZ First Nation.

What do you think led to their decision to develop a Solid Waste Management Plan? (Examples: ...)