



Carey McIver & Associates Ltd.
ENVIRONMENTAL CONSULTANTS

**Central Coast Regional District
Solid Waste Management Plan**

CONSULTATION REPORT

Prepared for

Central Coast Regional District

By

Carey McIver and Associates

in association with
Maura Walker and Associates

March 2017

Board Meeting
APR 13 2017
with
CORD ITEM C(m)



Carey McIver & Associates Ltd.
ENVIRONMENTAL CONSULTANTS

March 29, 2017

Ken McIlwain, R.P.F., Public Works Manager
Central Coast Regional District
Box 186
Bella Coola, BC V0T 1C0

Dear Mr. McIlwain,

Re: Consultation Report

We are pleased to submit the Consultation Report to accompany the submission of the Solid Waste Management Plan to the Minister of the Environment. This report describes the public consultation activities undertaken by Central Coast Regional District in the course of preparing the Plan.

It's been our great pleasure to work with you on this planning project.

Yours truly,

A handwritten signature in black ink, appearing to read "Maura Walker". The signature is fluid and cursive.

Maura Walker, Associate
Carey McIver and Associates Ltd.



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1 Introduction

This Public Consultation Summary Report describes public consultation that was undertaken by the Central Coast Regional District in revising the Solid Waste Management Plan. The public consultation meets the requirements outlined in Section 27 of the *Environmental Management Act*, which requires that adequate public review and consultation of the solid waste management plan must be completed. In addition, the public consultation process was designed to meet elector approval requirements for any borrowing of funds required to implement the plan once it is approved.

1.1 Background and Consultation Objectives

The CCRD’s first solid waste management plan was approved by the ministry in 2004. The current planning process was initiated in 2016.

The objectives of public consultation associated with the current planning process were as follows:

- I. To establish an advisory committee that represents the broad interests of the community and stakeholders
- II. To have an open and transparent planning process
- III. To provide the advisory committee with the information and tools to provide effective input
- IV. To inform the community of the content of the draft plan and to provide opportunities for input.

2 Plan Initiation and Solid Waste Advisory Group

At the initiation of the planning process, interested parties were notified that the plan was being updated via telephone and email. All interested parties were asked if they would like to participate on the Solid Waste Advisory Group and were provided with the group’s terms of reference. All interested parties indicated a willingness to participate and were subsequently appointed by the Board to be the Solid Waste Advisory Group (SWAG) for the duration of the planning process. The SWAG was a combined public and technical committee. A copy of the terms of reference for the SWAG can be found in Appendix A. The following is a list of members of the SWAG:

Name	Affiliation
Kerry Phillips	Ministry of Forest, Lands and Natural Resources Operations
Steve Dishkin	School District #49
Percy Schooner	Nuxalk Nation Public Works
Barney Kern	Bella Coola Recycling Depot
Drew Kovacic	Bella Coola Harbour Authority
Ken McIlwain	CCRD
Russ Hilland	BC Watershed Conservation Society
Wayne Bittner	Load of Rubbish-Waste Hauler
Marty Nygaard	Don Nygaard & Son Ltd. (landfill contractor)
Doug Baker	Tourism Representative
Wally Webber	Chief Councillor, Nuxalk Nation
Carl Harestad	Bella Coola General Hospital



Peter Fralick	Bella Coola Co-op Store
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There were four meetings of SWAG throughout the planning process:

- Meeting 1: Topics covered include the existing solid waste management system, Issues and Opportunities, and Guiding Principles
- Meeting 2: Topics covered include waste diversion options and residual waste management
- Meeting 3: Topics covered include the draft plan and community engagement
- Meeting 4: Topics covered include review of community input and finalization of the plan.

Copies of the agendas, minutes and presentation materials for the SWAG meetings are included in Appendix B.

3 Public Consultation Design

The consultation process consisted of five components:

1. A community survey on solid waste services conducted in advance of the planning process. This survey served to inform staff, consultants and the SWAG in regards to the community's opinions on current services and desires for the future.
2. Meetings with key stakeholders and a community open house on the remote community of Denny Island. This open house, done at the request of the community, was an opportunity for the community to share and discuss issues and potential opportunities related to solid waste management on the island. Currently solid waste management is managed privately on the island and is not a regional district function.
3. Meetings with key stakeholders in the remote community of Ocean Falls to share and discuss issues and potential opportunities related to solid waste management for this community. Currently solid waste management is the function of the Ocean Falls Improvement District and is not a regional district function.
4. A Solid Waste Management Plan website that was updated throughout the planning process to keep community members informed on the Plan's progress.
5. Community engagement on the draft plan to inform the community on the proposed content of the Plan and to solicit their input. Additional details on this third component are described below.

It should be noted that Denny Island and Ocean Falls do not currently participate in the CCRD solid waste management service. Consequently the advisory committee (referred to as the Solid Waste Advisory Group) and the community engagement program focused on the geography of the Bella Coola Valley where the vast majority of the Regional District's live and all participate in the CCRD solid waste management service. As stated in the Plan, over the plan's ten year time frame the CCRD will consult with the residents on Denny Island and in



Ocean Falls regarding their willingness to participate in either a regional or local solid waste management service operated by the regional district.

4 Consultation on the Draft Plan

The objectives of the community engagement program were to:

- I. *Inform* the general public and potentially affected stakeholders about the content of the draft SWMP
- II. To *obtain input* from affected stakeholders (including general taxpayers) on the proposed plan components
- III. To meet the expectations of the Ministry of Environment for consultation associated with updating a SWMP.

The Community Engagement Program incorporated the following activities to meet the objectives listed above:

- An information sheet and survey mailed to each home in the Bella Coola Valley that describes the proposed actions, programs and infrastructure to enhance solid waste management in the Valley (attached to the information sheet was a survey)
- An on-line version of the survey
- A draw prize to increase participation in the survey
- Offer of a presentation to and/or meeting with the Nuxalk Nation Council (Note: Three offers were made but declined.)
- Information posted on CCRD's website, with a link to the survey and email (for comments to be sent in by email)
- A media release
- Advertisements in the Coast Mountain News
- An article in the Nuxalk newsletter
- Notices on local Facebook pages
- Notices to email lists (SWAG, CCRD Board, CCRD Staff)

This program was developed in consultation with the SWAG. SWAG felt that community meetings were not likely to solicit a meaningful response and that direct mailing and a survey were likely to garner the most attention and feedback.

A copy of the information sheet, media release and newspaper advertisement can be found in Appendix C.



5 Participation and Outcomes

The primary venue for community input on the draft plan was the survey. The chance to win a \$100 gift certificate to a local business was offered to survey participants as a means to increase participation. Eighty-three surveys were received. No additional feedback was received via phone or email. The survey responses indicated that the vast majority of respondents were strongly supportive or somewhat supportive of the plan's proposed actions.

The detailed results of the community survey were reviewed with SWAG at their meeting on February 22, 2017, and given the positive community response, they recommended that the Plan, as it stands, be recommended to the Board for approval and submission to the Minister of Environment.

The results of the community survey can be found in Appendix D.

6 Plan Implementation

After the plan is approved by the minister, the SWAG will be resumed to monitor the implementation of the plan and make recommendations to increase its effectiveness.



7 Appendices

Appendix A: Solid Waste Advisory Group Terms of Reference

Appendix B: Solid Waste Advisory Group

- Agendas, Minutes and Presentations

Appendix C: Community Engagement Program

- Information sheet
- Media Release
- Newspaper Ad

Appendix D: Community Survey Results



Appendix A: Solid Waste Advisory Group Terms of Reference

Terms of Reference

Bella Coola Valley Solid Waste Advisory Group

Purpose

CCRD is reviewing and updating the 2004 Solid Waste Management Plan. As part of the process to update this plan, the regional district is establishing an advisory group of key stakeholders in the Bella Coola Valley to be active for the duration of the planning process (roughly one year). The primary role of the Bella Coola Valley Solid Waste Advisory Group (SWAG) will be to review and provide feedback to the CCRD on how best to manage solid waste in the valley in the short and long term.

Group Roles and Responsibilities

The role of the SWAG includes:

- Providing suggestions regarding solid waste management issues and opportunities present in the Bella Coola Valley;
- Liaising between their constituents and the CCRD; providing feedback to the CCRD and increasing awareness of solid waste services issues amongst their constituency;
- Providing input and feedback on technical documents and other presentations prepared for the Group's information; and
- Providing advice and feedback on consultation activities with the general public and stakeholders.

Membership

Membership is based on affected stakeholder groups such as the following:

- Business organizations
- Environmental interest organizations
- Local government staff
- Waste Management sector (haulers, recyclers, landfill contractors, etc.)
- Local institutions (e.g. the school board)
- First Nations
- Tourism sector
- Harbour Authority

Term

The Advisory Group will operate during the planning process; once the updated Solid Waste Management Plan is prepared and approved by the Board, the Solid Waste Advisory Group will be discontinued. A Solid Waste Management Plan Monitoring Group may be assigned to monitor and advise the Board on the implementation of the solid waste management plan.

It is anticipated that there will be 4-5 meetings of the Group during the planning process with the provision for workshops or other presentations at discretion of the CCRD and Advisory Group. The planning process is expected to last up to one year.

Remuneration and Expenses

Membership on the Group shall be strictly on a volunteer basis. No member of the Advisory Group shall receive compensation from the CCRD for work performed as a member of the Advisory Group. There are no anticipated expenses associated with participation on the Advisory Group.

Decision Making

Recommendations from the Advisory Group will be made by consensus whenever possible. If necessary, votes may be taken and minority reports may be submitted by the Advisory Group in addition to the majority opinion.

Group meetings will be open to the public, however visitors will not have speaking or voting privileges. Delegations that wish to address the Group must seek approval from the Group through a written request in advance of the Advisory Group meeting. Acceptance of a delegate's request to speak to the Group will be at the discretion of the Group.

Conduct of Meetings

The meetings of the Advisory Group will be facilitated by the technical consultants assigned to assist with the planning process.



Appendix B: Solid Waste Advisory Group

- Agendas, Minutes and Presentations



Bella Coola Valley Solid Waste Advisory Group
MEETING AGENDA
 Thursday, May 12, 2016
 1:00 pm to 3:30 pm
 at the Royal Canadian Legion Hall
 1855 Highway 20

AGENDA

Welcome and Introductions <ul style="list-style-type: none"> Roundtable of how each group member is involved in solid waste management 	Ken McIlwain and Maura Walker	1:00 – 1:15
Solid Waste Management Planning "101"	Maura Walker	1:15 – 1:25
Terms of Reference for SWAG <ul style="list-style-type: none"> Timing of future meetings 	Carey McIver	1:25 – 1:35
Existing Solid Waste Management System	Carey McIver	1:35 – 2:15
Short Break		2:15 – 2:25
Results of the Community Survey	Maura Walker	2:25 – 2:35
Issues and Opportunities in the Bella Coola Valley	Maura Walker	2:35 – 2:55
Group exercise: Identification of key drivers for the planning process	Maura Walker	2:55 – 3:15
Next Steps / Wrap Up <ul style="list-style-type: none"> Confirmation of next meeting date and time 	Maura Walker	3:15 – 3:30

Light refreshments will be available.

Please advise Ken McIlwain if you are unable to attend.

Tel: 250-799-5291

Fax: 250-799-5750

Email: pwm@ccrd-bc.ca



Bella Coola Valley Solid Waste Advisory Group
(SWAG)
Thursday, May 12, 2016
1:00 pm to 3:30 pm
at the Royal Canadian Legion Hall

MEETING NOTES

Note: The PowerPoint slides presented at the meeting are attached for reference.

Participants:

Kerry Phillips, Ministry of Forests, Lands and Natural Resource Operations
Steve Dishkin, School District #49
Barney Kern, Bella Coola Recycling and La Cool Truck and Crane
Drew Kovacic, Bella Coola Harbour Authority
Ken McIlwain, Central Coast Regional District
Russ Hilland, Bella Coola Watershed Conservation Society
Wayne Bittner, Waste Hauler – Load of Rubbish
Marty Nygaard, Landfill Contractor
Doug Baker, Tourism Industry representative
Wally Webber, Chief Councillor, Nuxalk First Nation
Carl Harestad, Bella Coola General Hospital
Peter Fralick, Co-op Board

Not in attendance:

BC Parks/Conservation Service Rep
Nuxalk Public Works

Facilitators:

Carey McIver, Carey McIver and Associates
Maura Walker, MWA Environmental Consultants Ltd.

Welcome and Introductions

- A roundtable of introductions, including how each group member is involved in solid waste management was conducted

Solid Waste Management Planning "101" presented by Maura Walker

- No discussion

Terms of Reference for SWAG presented by Carey McIver

General discussion:

- Have the Nuxalk been invited to participate on the SWAG?
Response from Ken McIlwain (CCRD): Yes. They indicated that they are interested in participating. (Note: Wally Webber, Chief, Nuxalk, joined the meeting at a later point in the agenda)

-

Existing Solid Waste Management System presented by Carey McIver

General discussion:

- We separate and burn commercial cardboard at the landfill. This is a fire hazard in the summer months. We need a better way to manage it.
 - Largest item that Co-op produces is cardboard
 - Co-op used to give it to the truck driver that delivered their goods, but he couldn't make enough money to pay for his time to get it recycled
 - The process to stack and store the cardboard is costly for Co-op
 - Illegal dumping is a significant issue
 - Possible causes: avoid landfill fees, convenience (do not want to wait for landfill to be open), bad behaviour, lack of vehicle
 - Lack of enforcement capacity
 - There are often animal carcasses on back roads
 - Wally: The Nuxalk frequently clean up the illegal dumping near landfill. We would like to see landfill open one more day per week as a way to mitigate the incidents of illegal dumping.
 - Some people have barriers that impact on their ability to manage their waste. These may be lack of time, money, or vehicle to transport waste to the landfill. Some people can't afford to pay for a collection service.
 - There was a time in Bella Coola that the source separated recyclables were landfilled. This left a bad taste in many people's mouth that still exists. However, things are improving and more people are recycling.
 - Litter clean-ups
 - Landfill attendant does monthly litter clean up of landfill site
 - There is usually an annual litter pick up done by grads, if required. They did not do one this year
 - Nuxalk Nation provides a waste collection service to multifamily buildings on the reserve
 - Wally: Will landfilled be moved? It's close to Thorsen Creek. We (the Nuxalk) have a real concern about contamination from the landfill.
 - Ken: There are no plans to move the landfill
- Maura: The, hydrogeological monitoring recommended by the landfill engineering consultants, is intended to provide information regarding if there is any contamination (leachate) coming from the landfill and, if so, in which direction it is moving.

Discussion regarding the implementation status of the 2004 Solid Waste Management Plan:

- Re. promoting reduce and reuse (a 2004 Plan task): Ken reported that this is the first year that

we have a dedicated solid waste education program. We hired an educator and have targeted schools first.

- 423 waste free lunches brought by kids (given free swim pass as a reward)
- Kerry commented that the school program had a noticeable effect on her kids.
- Free store at the landfill
- Monthly thrift store done by church
- Re. promotion of home composting (a 2004 Plan task): Ken reports that is not currently done.
 - Bears are an issue
 - Backyard composting is popular as it reduces the amount of waste that needs to be brought to the landfill
- Re. increasing EPR awareness (a 2004 Plan task): CCRD staff and contractors are still seeing people throw EPR products in the garbage
 - Some people refuse to participate as desired
 - A mechanism to enforce proper behaviour is needed. We can't always rely on people wanting to do the right thing.

Results of the Community Survey presented by Maura Walker

Over the past year, CCRD has been collecting on-line survey responses from residents of the valley in regards to their waste management practices, concerns and interests. The highlights of the survey responses were reviewed with the SWAG. Note: The results of the survey will be emailed to the SWAG members for their detailed review.

Discussion:

- How did you inform people about the survey?
Response from Ken:
 - Distributed at strategic planning session, Facebook, CCRD web page
 - Some concern expressed regarding how the survey was promoted
 - CCRD could mail out surveys in the future

Identification of key drivers for the planning process

Maura conducted a roundtable to solicit what the advisory group members feel are the significant issues and opportunities that should be addressed as part of this process to update the solid waste management plan.

Responses:

- We need to raise awareness of need to change behaviors – get more residents involved and understanding need to participate
- We need to understand and address barriers to participation
- Need to minimize the potential for interaction with bears (related to poor solid waste management)
- Need to understand the impact of the landfill on the surrounding environment
- Curbside collection should be considered
- Need to improve/change behaviours

- Make proper waste management enough of a priority that people participate properly
- People need to learn how to sort their waste (source separation)
- More/improved education
- More/improved communications
- Stop bad behaviour (burning plastic, illegal dumping, ignoring disposal bans), encourage good behaviour (recycling, bring EPR goods to the proper location, etc.)
- Encourage green tourism (certification)
- Enforcement tools are needed
- Improve management of commercial cardboard (fire hazard, blows around the waste management site)
- Illegal dumping and lack of enforcement
- Managing organic waste

Other discussion:

- Peter: At the Co-op, farmers get produce that can no longer be sold and meat goes to food bank (it is still good, but can't be sold)
- Ken: BC Conservation Service was invited to attend this meeting but couldn't make
- Barney – There is confusion regarding the two recycling depots in town – where to bring what item
- Marty – There are surface monitoring wells on perimeter of the landfill
- Marty – We could send out information with tax notice
- Carl – How much garbage and recycling do we generate?
 - Ken: Without scales, we don't know the exact amount of garbage. There is data on the quantity recycled and can get that information.
 - Carey: The amount of waste generated is largely a function of the level of economic activity.
 - Follow up note: Staff and the consultants will endeavour to provide an estimate based on data from other regional districts and/or record volumes of waste received at the landfill over a specific time frame. This estimate should be available for the next meeting.

Next Steps / Wrap Up

Maura reviewed the planning process and the anticipated number of meetings.

Discussion:

- Meeting date and time for future meetings:
 - Prefer to meet during the day (weekday)
 - Monday works best for Wayne
 - Barney and Marty are not available on Friday
 - Ken: Mondays may be a challenge for the consultants to get here and for all of us to remember that there is a meeting scheduled
 - Prefer to not have meetings in July and August

BELLA COOLA VALLEY SOLID WASTE ADVISORY GROUP

May 12, 2016 Meeting



SOLID WASTE MANAGEMENT PLANNING 101



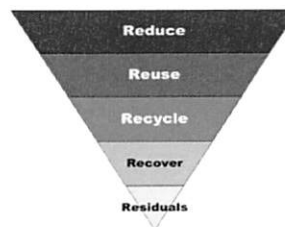
What is municipal solid waste?

- It is discards from residential, commercial, institutional, demolition and construction activities
 - Garbage, recyclable materials, compostable materials
- It does not include heavy industrial waste, hazardous waste, biomedical waste and agricultural or forestry waste



What is a Solid Waste Management Plan?

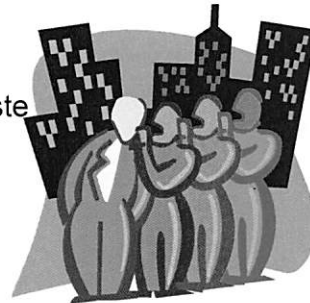
- All regional districts in BC are required to have Solid Waste Management Plans
- The Plan is a comprehensive guide for the next 5-10 years with a vision for the next 20-30 years
- Allows for regional planning for infrastructure and services
 - Covers all of CCRD
- Covers all aspects of solid waste management
 - Collection
 - Recycling and composting
 - Waste reduction and reuse
 - Disposal
 - Financing
 - Education



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Solid Waste Management Planning Process

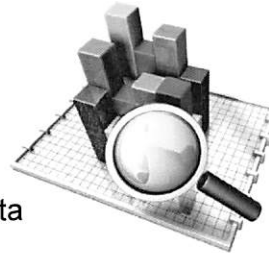
- 3 steps
- Has a concurrent technical and consultation processes
- Consultation process:
 - Bella Coola Valley Solid Waste Advisory Group
 - Stakeholder consultation
 - General public consultation




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Step One

- Establish Advisory Committee
- Conduct a review of current system
 - Review of technical reports and data
 - Site visits
 - Discussions with stakeholders
 - Review of community surveys
 - Assessment of the existing solid waste management system
- Technical Memorandum
 - Description of existing activities
 - Implementation status of current Plan
 - Issues and opportunities



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Step Two

- Identify Opportunities to Increase Waste Diversion
- Identify Opportunities to Enhance Residual Waste Management
- Financial Implications
- Putting It All Together (Draft Plan)
- SWAG review and feedback along the way

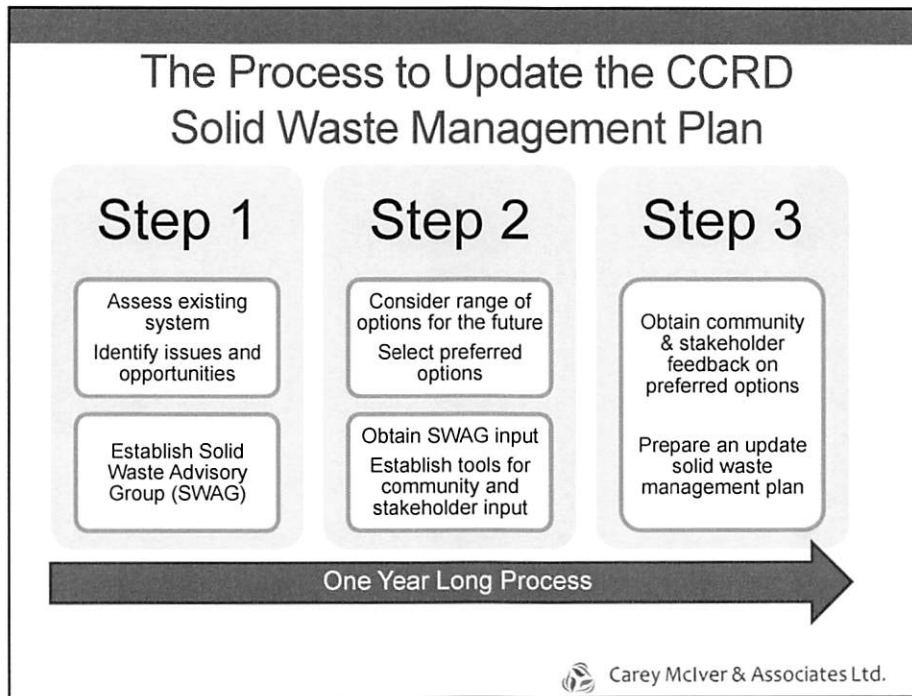


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Step Three

- Community and stakeholder consultation process to obtain input into the preferred approach/options
- Results of consultation reviewed with SWAG
- Finalize content of Plan
- Approval by Board
- Submission of Plan to Minister of the Environment





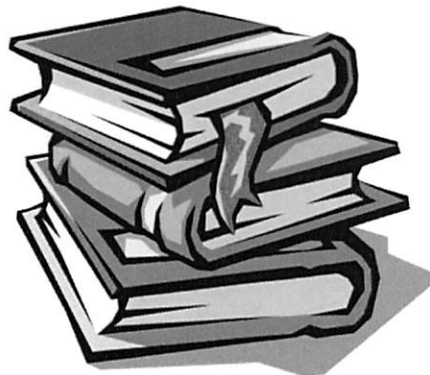
Central Coast Regional District
Bella Coola Valley
Solid Waste Advisory Group
Terms of Reference

SWAG Meeting # 1
Bella Coola
May 12, 2016



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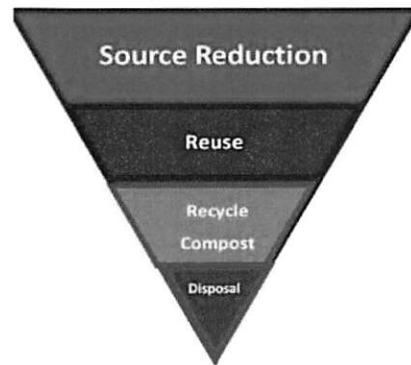
Background: SWM Planning 101



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Purpose

- Review and provide feedback to the CCRD on how best to manage solid waste in the valley in the short and long term



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Role of Committee

- Provide suggestions regarding solid waste management issues and opportunities in the Bella Coola Valley
- Liaise between constituents and CCRD
 - Provide feed back to CCRD and increase awareness
- Provide input and feedback on technical documents and presentations
- Provide advice and feedback on consultation activities with general public and stakeholders



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Questions? Comments?



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Central Coast Regional District

SWMP Update Process Existing System

Bella Coola Valley Solid Waste Advisory Group
Bella Coola
May 12, 2016

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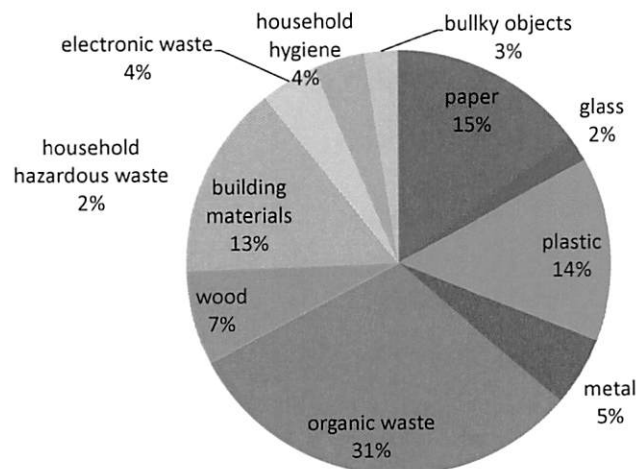
What is “solid waste”

- It is discards from residential, commercial, institutional, demolition and construction activities
 - Garbage, recyclable materials, compostable materials
- It does not include heavy industrial waste, hazardous waste, biomedical waste and agricultural or forestry waste



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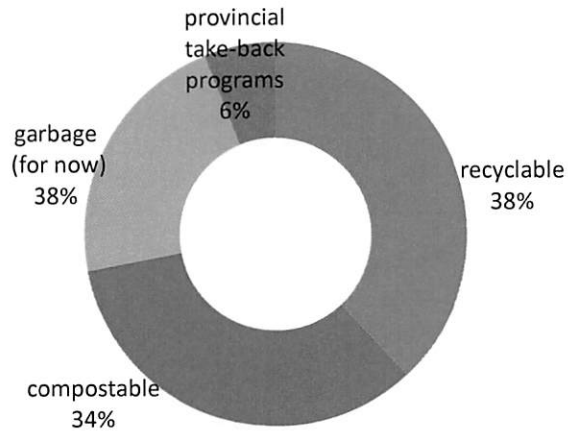
The composition of what is thrown away (landfilled solid waste)



RDFFG, 2013

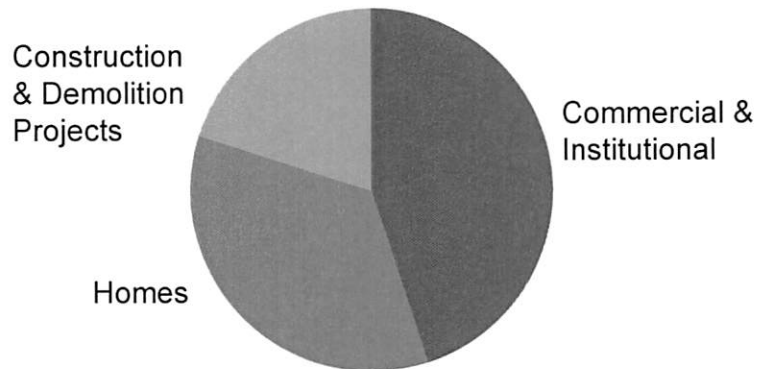
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The composition of what we throw away... another way to look at it

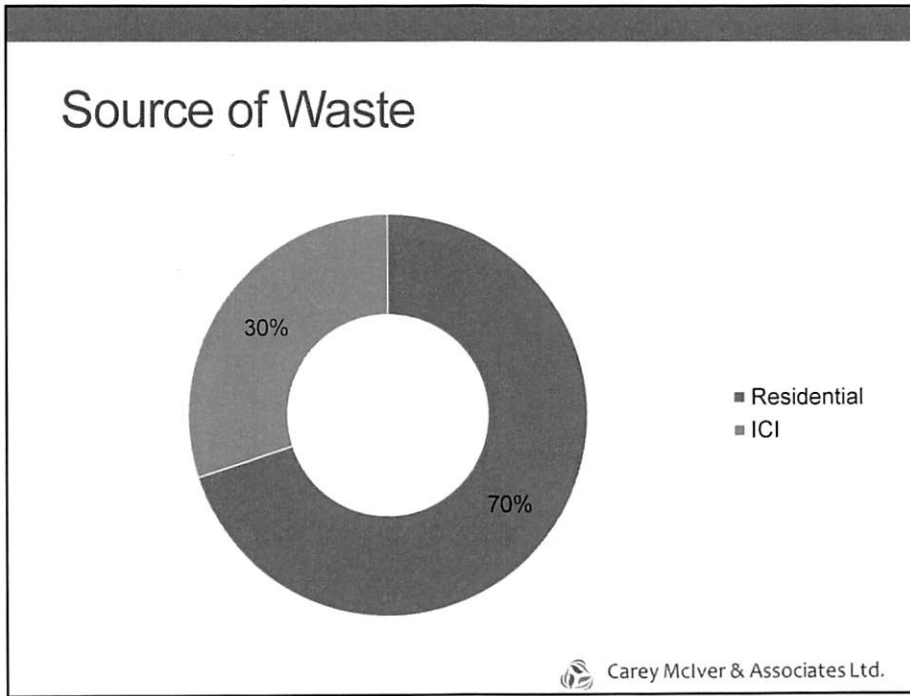


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Where does it typically come from?



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Existing Collection System

	Residential <ul style="list-style-type: none">• Self-Haul• Private Hauler
	Industrial/Commercial/Institutional <ul style="list-style-type: none">• Self-Haul• Private Hauler
	Construction, Renovation & Demo <ul style="list-style-type: none">• Self-Haul• Private Hauler

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Existing Recycling System



Residential

- Thorsen Creek Recycling Depot
- Bella Coola Recycling Centre (Walker Island)



Industrial/Commercial/Institutional

- Thorsen Creek Recycling Centre
- Bella Coola Recycling Centre (Walker Island)



Construction, Renovation & Demo

- Thorsen Creek Landfill
- Controlled burn for wood and cardboard

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Thorsen Creek Recycling Depot



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What is Extended Producer Responsibility (EPR)?

- EPR programs shift the cost of managing end-of-life products and packaging from local governments to producers and consumers
- Growing part of solid waste management system
- Driven by BC's Recycling Regulation
 - Requires "producers" of the following products to set up collection and management system:
 - Paints and solvents
 - Tires
 - Cell phones
 - Used motor oil, filters and empty containers
 - Batteries (all kinds)
 - All electronics
 - All small and large appliances
 - Outdoor power equipment
 - Pharmaceuticals
 - Fuels and antifreeze
 - Pesticides
 - Thermostats
 - Smoke and CO detectors
 - "Lamps", ballasts and fixtures, including CFLs
 - Packaging (residential)
 - Printed paper (residential)


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Existing Disposal System




Residential

- Thorsen Creek Landfill




Industrial/Commercial/Institutional

- Thorsen Creek Landfill



Construction, Renovation & Demo

- Thorsen Creek Landfill

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