

The slide features a dark blue background with a faint, light blue geometric pattern of overlapping lines. A large, light green curved shape is positioned on the right side. The title and date are in white text on the left. At the bottom, there are logos for Maura Walker & Associates and Morrison Hershfield.

**Solid Waste Management Plan
Advisory Committee Meeting**

March 30, 2015

1  Maura Walker & Associates
ENVIRONMENTAL CONSULTANTS

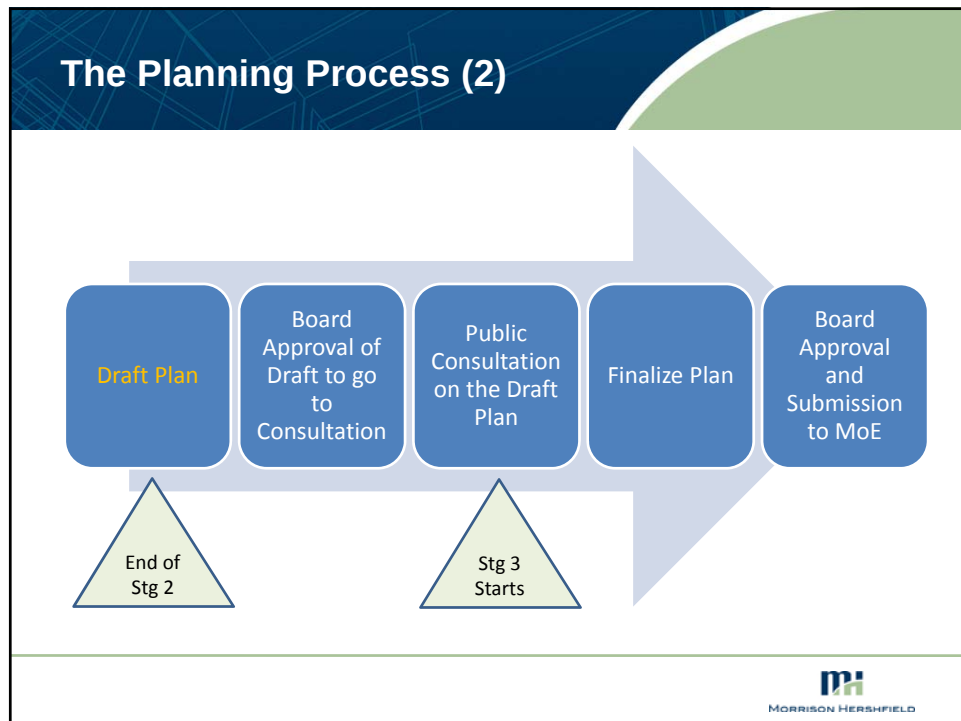
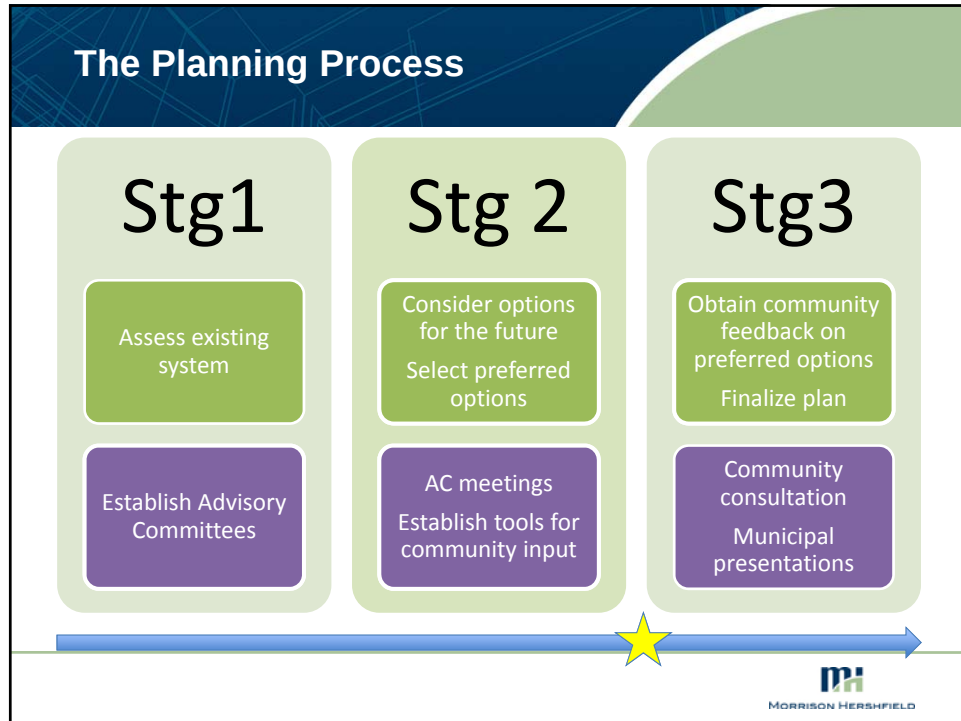
 MORRISON HERSHFIELD

The slide has a dark blue header with a light green curved shape on the right. The title 'Meeting Agenda' is in white. The agenda items are in black text on a white background. At the bottom, there is a small number '2' and the Morrison Hershfield logo.

Meeting Agenda

- Minutes of previous meeting
- Where we are in the planning process
- Communications Plan
- Stage 2 Report
- Community Consultation
- Next Steps

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About today's discussions

- Actions in the draft plan are the result of discussions at the advisory committee and SLRD and municipal staff input
- Draft document includes financial implications, proposed timing and estimated waste diversion associated with proposed actions
- Today we will:
 - Review the proposed actions
 - Review estimated cost and staffing implications
 - Review proposed implementation schedule
 - Review estimated diversion

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About today's discussions (2)

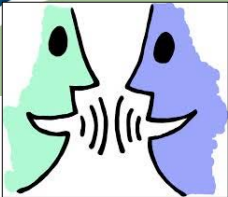
- Need your feedback to ensure the draft is ready for community consultation
- Recommendation to Board to proceed with community consultation

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Communications

- Reflects strategic communications plan



Incorporate community-based social marketing into major campaigns	SLRD, municipalities
Residential food scraps reduction campaign	SLRD, municipalities
ICI and multi-family communication strategy	SLRD, municipalities
Tourist accommodation communication strategy	Whistler, Squamish
Construction & demolition communication strategy	SLRD, municipalities
Coordination of local governments' internal zero waste initiatives	SLRD, municipalities
Expansion of zero waste workshops	SLRD, municipalities
Beat Smart backyard composting	SLRD, municipalities
EPR awareness	SLRD, municipalities
Promote local construction and demolition waste reuse/recycling opportunities	SLRD, municipalities

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Reduction and Reuse

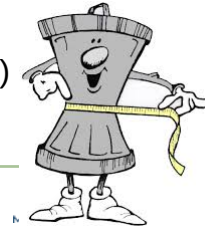
- On-going:
 - Whistler's Reuse It and Rebuild It Centres
 - Squamish's Reuse It Fair
 - Free stores at the all SLRD transfer stations (Pemberton, Gold Bridge, Devine) and the Lillooet Landfill



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Reduction and Reuse (2)

- Included under *Communications*:
 - Campaigns to encourage reduction and reuse behavior
 - Bear smart backyard composting
- Proposed new activities:
 - Re-Build-It Centre type of facility in Pemberton (SLRD)
 - Re-Build-It Centre type of facility at Lillooet Landfill (SLRD)
 - Fund for local zero waste initiatives (SLRD)



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Waste Diversion through Policy

- On-going activities
 - Variable tipping fees
- Proposed new activities
 - Establish regionally consistent tipping fee categories
 - Ban specified EPR products from disposal in garbage when and where collection services are available
 - Implement disposal bans on other materials if variable tipping fees do not achieve desired diversion behaviours

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Extended Producer Responsibility (EPR)

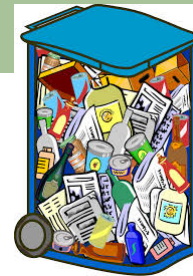
- On-going activities
 - Participate on BC Product Stewardship Council
 - Engage in consultation and advocacy on existing and new stewardship programs
- Proposed new initiatives
 - Landfill bans on specified EPR products (part of Policy initiatives)
 - Increase awareness of EPR programs ar (part of Communication initiatives)



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Residential Waste Management

- Maintain existing collection services
 - Includes Squamish's upcoming expansion to food waste collection
- Proposed new initiatives:
 - Consult with Pemberton and surrounding area in regards to the implementation of curbside collection services (SLRD and Village of Pemberton)
 - Assess the provision of curbside recycling and yard waste collection for Lillooet (District of Lillooet)



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Commercial and Multi-Family Waste Management

Maintain:



- Variable tipping fees to encourage source separation
- Allowing small buildings to participate in Squamish's curbside service
- Whistler bylaw to make collection of recyclables and organic waste from commercial and MF buildings mandatory (under development)

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Commercial and Multi-Family Waste Management

- Communication initiatives:
 - Commercial and multi-family communications strategy
 - Improve recycling at tourist accommodations
 - Local government leadership
- New initiatives:
 - Improve recycling and waste minimization at events (all local governments; coordinated by Whistler)
 - Require new commercial and MF developments to design for 3 stream waste management (all local governments; coordinated by SLRD)



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Organic Waste Management

- Maintain:
 - Existing collection services
- Previously presented new initiatives:
 - Investigate organic waste collection in Pemberton
 - Assess yard waste collection in Lillooet
- Proposed new initiative:
 - Consider the use of financial incentives to encourage diversion of yard waste to depots and composting sites (all local governments – to be done as part of discussions around variable tipping fees)



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Construction and Demolition Waste Management

- Maintain:
 - Use of variable tipping fees to encourage source separation
 - Support of reuse centres
 - Recovery of clean wood waste at Whistler transfer station
- Previously presented new initiatives:
 - Establish Re-Build-It centres in Pemberton and Lillooet
 - Promote C&D waste reuse and recycling
 - Establish a communications plan targeting the C&D industry

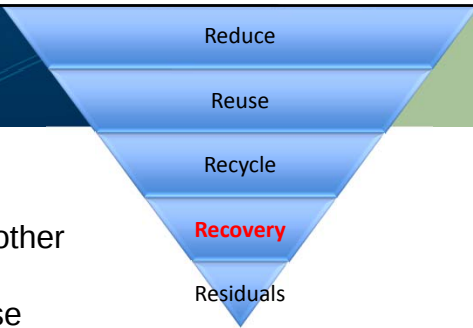


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Resource Recovery

- Proposed new initiatives:
 - Follow developments in other regions and assess new opportunities as they arise
 - Consider out-of-region waste-to-energy and mixed waste materials recovery as potential future options
 - Ensure local waste diversion initiatives not compromised

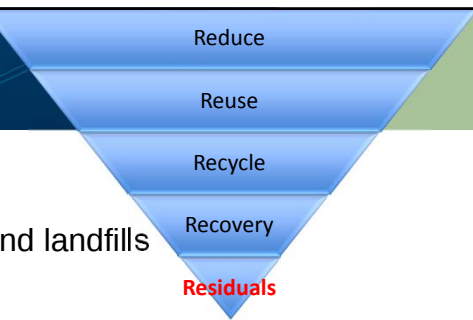




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Residuals Management

- Maintain:
 - Existing transfer stations and landfills
- Proposed new initiatives:
 - Establish long term disposal capacity for the region
 - Expand Squamish Landfill (District of Squamish)
 - Vertically initially (to maintain current service levels)
 - Continue to assess lateral expansion (would provide regional capacity)
 - Establish working group to review long-term options (SLRD, municipalities)
 - Review requirements at Lillooet Landfill for compliance with new BC Landfill Criteria



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Illegal Dumping

- Maintain:
 - Bylaws that make dumping illegal (all local governments)
 - Providing support to community clean-up of dump sites and litter (all local governments)
- Proposed new initiative:
 - Develop a region-wide illegal dumping strategy (all local governments)
 - Survey of dump sites
 - Campaign
 - Signage
 - Enforcement



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Wildlife and Waste Management

- Maintain:
 - Support to local wildlife awareness groups that encourage citizens to be Bear Smart
 - Design and maintain all solid waste management facilities that receive food waste so that they do not allow access by bears
 - Ensure that all litter containers are animal-proof; and
 - Require commercial garbage and organic waste containers that contain bear attractants to be animal-proof (municipal bylaws)



November 30th AWARE Kids Nature Club:
Learn about Whistler bears and help Get Bear Smart
Society tell the story of 'What Bears Mean To You'
by starring in their next video!

To register for filming e-mail
nicole.fitzgerald@yahoo.ca



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Wildlife and Waste Management

- Proposed new initiatives:
 - Mandate that commercial garbage and organic waste containers that contain bear attractants be animal-proof (SLRD – for electoral areas)
 - Enforce animal-proofing bylaw requirements (all local governments)



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Land Use Planning

- Proposed new initiatives:
 - Solid waste staff collaborate with planning staff to:
 - Consider the need for dedicated zoning for waste management facilities
 - Ensure that land use planning decisions do not compromise the viability of existing or planned waste management facilities
 - Ensure that long-range planning tools like OCPs identify and preserve lands for *future* waste management facilities
 - Recognize the need for an appropriate land base available to accommodate the shift to EPR take-back programs



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Authority Over Waste Management Activities

- Maintain:
 - Process to authorize new solid waste facilities
 - Includes any proposed facility intending to handle municipal solid waste, including recycling and composting facilities
 - Does not include:
 - EPR take-back facilities established by product stewardship organizations
 - SLRD or Municipal solid waste management facilities
 - Facilities established to refurbish and/or sell used goods



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Authority Over Waste Management Activities (2)

- Proposed new initiatives:
 - Review the fee schedule associated with facility authorization to ensure that there is better cost recovery (SLRD)
 - As tipping fees in the region increase to cover capital and operating costs, the development of a waste stream management licensing system and/or flow control bylaw be considered to ensure that waste generated in the region is managed at authorized facilities (SLRD and member municipalities)
 - Monitor the level of waste export to determine if there is a need to establish a bylaw mechanism to regulate where waste generated in the SLRD can be delivered (SLRD and member municipalities)

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Estimated Diversion

DISPOSAL AND DIVERSION	ESTIMATED TONNES (2012)	IMPACT OF NEW DIVERSION
Total disposal	26,966	17,833
Total diversion	20,144	29,276
Total waste generation (disposal + diversion)	47,110	47,110
Diversion rate (diversion/waste generation)	43%	62%
Per capita disposal rate	526 kg	348 kg

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Proposed Schedule and Costs

- 5 year implementation framework
- Refer to Table 21-2 (p.41)
 - Table reflects the estimated SLRD *operating* cost of each initiative
 - Municipal cost expected to be similar for collaborative initiatives (municipal decision)
 - Major capital costs for Squamish Landfill expansion to be borne by District of Squamish
 - Estimated capital cost for Lillooet Re-Build-It Centre = \$15K
 - Capital costs for Pemberton Re-Build-It and new curbside services unknown at this time
- Schedule and budget implications are flexible
 - May be modified based on resource priorities and/or experience

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Cost Recovery

- User pay to the extent possible
 - Tipping fees at landfills and transfer station
 - User fees for curbside service
- Initiatives that are of global benefit (e.g. reduction and reuse campaigns, EPR awareness, illegal dumping clean ups), cost recovery through tax revenue may be appropriate

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SLRD Staffing Implications

	2015	2016	2017	2018	2019	2020
New Hours	700	1260	1395	835	1135	635
# of FTE	0.36	0.65	0.72	0.43	0.58	0.33

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Plan Targets

1. The SLRD achieve an average municipal solid waste disposal rate of 350 kilograms per capita by 2020.
 - Upon full implementation, the initiatives proposed in this plan are expect to achieve a per capita disposal rate of 348 kg per capita
2. That 75% of SLRD's population is actively engaged in organic waste diversion
 - This target could be achieved by ensuring that the communities of Squamish, Whistler and Pemberton are actively engaged in organic waste diversion (77% of the SLRD population)

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Plan Monitoring and Measurement

- Plan Monitoring Advisory Committee
- Annual progress reports
- Waste composition study in 2018



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Draft Plan Discussion

- Any major or minor modifications required?

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Community Consultation



Key Consultation Objectives

- Provide opportunities to inform and educate the public and stakeholders about proposed options
- Provide opportunities for feedback



So far...

- Advisory Committees
 - North
 - South
- Publicizing the process
 - Committee recruitment
 - Website (background, reports, minutes, presentations)
 - Progress updates to the Board

Overview of Next Steps in Consultation Process

- Info to local governments and key groups
- Presentations to Municipal and First Nation councils
- Presentations and/or meetings with key stakeholders
- Public Open Houses/Presentations
- Media releases, advertising and interviews
- Poster/newsletter to promote
- Advance promotion
- Exit survey at events and online
 - Survey available at solid waste management facilities (rural input)



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Open Houses

- A collaboration of SLRD and member municipalities
- Focus on broad range of solid waste subject matter, *in addition to* the proposed SWRMP initiatives
 - Municipal/SLRD solid waste collection services
 - Extended producer responsibility programs
 - Wildlife awareness/Bear Smart
 - Composting
 - Reduction and Reuse



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Open Houses

- 4 events proposed:
 - Squamish, Whistler, Pemberton Open Houses
 - Poster displays
 - Brief presentations
 - Discussion tables with local experts
 - Exit survey
 - Lillooet Landfill Open House
 - Tour
 - Poster display
 - On-site experts
 - Exit survey
- Suggested timing:
 - May 9-14 or June 2-6
- Any municipal events happening this spring that could be a conflict?



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Online

- Website for more info “Can’t make it?”
- Able to review all supporting materials
- Able to provide email comments and respond to survey
- Local gov’ts, First Nations can link to site
 - Provide copy and artwork for their sites



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Finalizing the Approach to Consultation

- Feedback on proposed approach
- Any other ideas?



Next Steps



Wrap Up

- Recommendation to Board?