



Solid Waste Management Plan Update

Spring , 2017

What is SWMP?

- ▶ Provincial legislation (EMA) requires Regional Districts to develop a SWMP
 - Update every 10 years
- ▶ Intended to provide a clear detailed plan for managing solid waste based on the 5Rs



What is SWMP?



Eight Provincial guiding principles + *local relevant principles*

- ▶ Promote zero waste
- ▶ Promote 3 Rs
- ▶ Maximize beneficial use of waste
- ▶ Support polluter and user-pay approaches
- ▶ *Prevent organics and recyclables from going into the garbage*
- ▶ Collaborate with other Regional Districts
- ▶ Develop partnerships
- ▶ Level playing field between local government and private sector



Update vs New Plan



Update

- ▶ Current approach is still relevant
 - Zero Waste
 - Glenmore Landfill
 - Promotion of 3 R's
 - Support Provincial Product Stewardship programs

- Stakeholders are not looking for major changes
 - Diverse and effective 5Rs program
- No justification for major change



SWMP Methodology

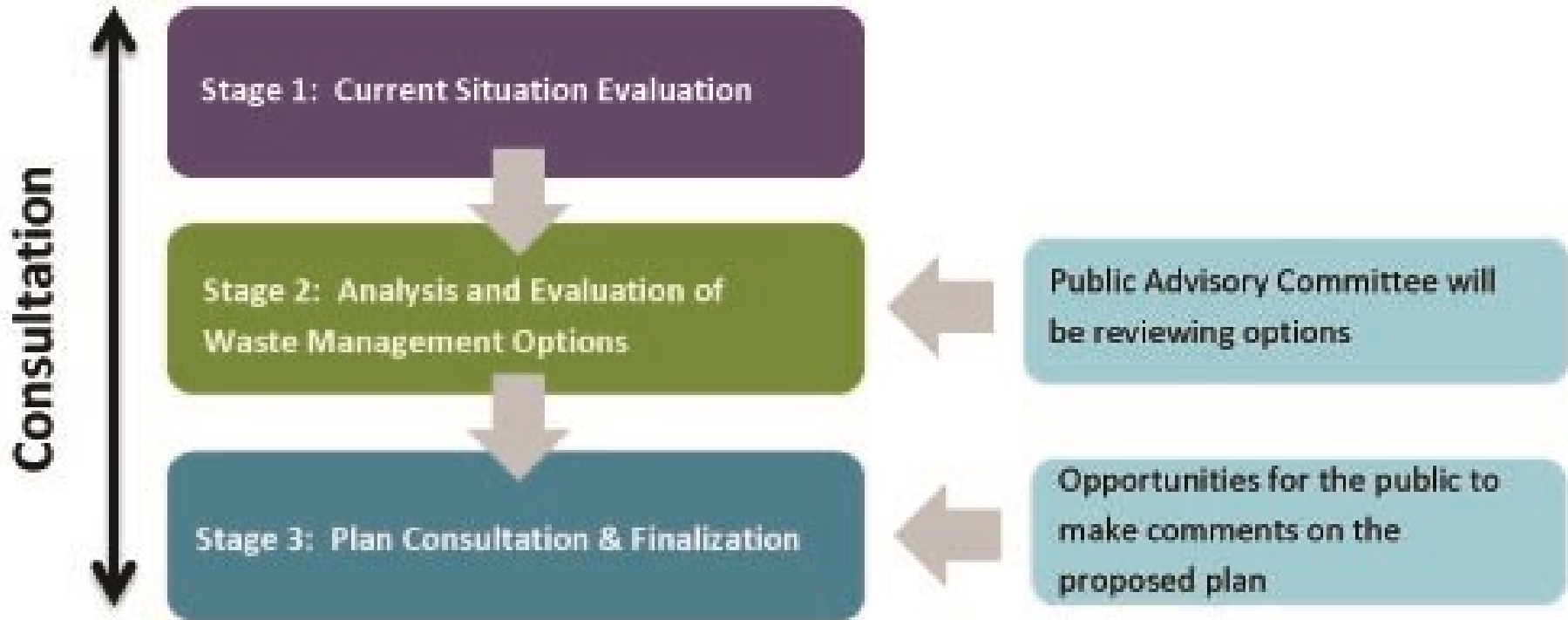


Provincial Guide to Solid Waste Management Planning

- ▶ Hire Consultant
- ▶ Review historic results (consultant)
- ▶ Public Technical Advisory Committee (PTAC)
 - Six sessions
 - Public consultation
- ▶ Municipal Councils
- ▶ Regional Board Approval
- ▶ Provincial Approval



SWMP Methodology



PTAC members



- ▶ 28 members
- ▶ Local governments
- ▶ WFN
- ▶ Members of the public (all municipalities and EAs represented)
- ▶ Waste management companies
- ▶ Major institutions
 - IH
 - UBC
 - Okanagan College
 - SD 23
 - UDI
 - SWANA



Responsibilities



- ▶ Consultant facilitated discussion and developed plan based on PTAC direction.
- ▶ PTAC directs SWMP update.
- ▶ RDCO staff present to public, councils, Regional Board, and Province for approval.



Historic results



All (but 1) initiatives from the 2006 SWMP have been completed or considered.

- ▶ Commercial diversion program
- ▶ Reduction/Reuse programs
- ▶ Organic waste management study
- ▶ Lobby for more Provincial EPR programs.
- ▶ Landfill bans and enforcement.
- **Green procurement (not completed)**

TARGETS & ACHIEVEMENTS

	2004	2011 Projected	2014 actual
Disposal per cap. (t/y)	0.82	0.54	0.68
Diversion (%)	21%	43%	43%

Note: 2004 and 2011 projected % are corrected for comparison purposes.



Key new strategies

1. Support reuse markets and partnerships (eg. UBC furniture)	\$15,000	2017/2018 (High Priority)
2. Encourage bag reuse & consider plastic bag ban	\$25,000	2018-2021
3/6/21. Review of depot and transfer station service.	\$15,000	2017-2018 (High Priority)
7. Organic waste management assessment.	\$40,000	2018-2019
10/11/15. Investigate options to encourage ICI & CD recycling	\$40,000	2018-2019

New strategies cont.



12. Encourage waste minimization at events.	\$25,000	2020/2021
13. Investigate numerous curbside collection service changes prior to next contract. <ul style="list-style-type: none">• Weekly recycling collection• Biweekly garbage collection• Increased yard waste collection• Curbside glass, styrofoam, film collection• Additional user pay options• Bear proof containers	\$15,000	2017-2019



Key new strategies cont.

16/17. Investigate opportunities to recycle/recover energy from CD material.	\$15,000	2017/2018
22. Assess curbside bulky item collection	\$10,000	2017/2018

- Budget for new strategies within existing financial plan
 - New budget requests may come from investigations
 - Example: New transfer station/depot
- Several other new strategies are recommended
 - Formalizing ongoing work

Public Consultation



- ▶ Extensive promotion and advertising at all stages and participation incentives.
- ▶ Web and Open houses survey (470 participants)
- ▶ Telephone participants (300 randomly selected participants)
 - Representative geographical distribution
- ▶ Open house participants
 - North Westside (40)
 - West Kelowna (20)
 - Peachland (11)
 - Lake Country (7)
 - Joe Rich (7)
 - Kelowna (25)
 - Ellison (7)



Public Consultation



- ▶ Public consultation validated the strategies developed and proposed by PTAC, however...

- ▶ Changes were made as a result of the public consultation
 - Inclusion of Mission area depot assessment
 - Exclusion of mandatory use of clear bags
 - Inclusion of weekly recycling collection
 - Exclusion of reducing garbage bin size
 - Exclusion of reducing yard waste collection service



New Target

- ▶ Consultant projected new target
 - Aligned with Provincial targets.

	2004	2011 Projected	2014 actual	2021 Projected
Disposal per cap. (t/y)	0.82	0.54	0.68	0.60
Diversion (%)	21%	43%	43%	50%

- ▶ Diversion percentage is actually much higher.
 - Large amount of data from private sector recycling/reuse is not available.