

Sustainable Materials Management Plan (SMMP) DRAFT Table of Contents

SECTION	TOPICS	Remove?	Notes
II.	INTRODUCTION		
A	Context of the Plan		
B	Plan Purpose and Goals		
C	Issues Addressed by the Plan <i>(include discussion of exclusions to the Plan)</i>		
D	A new approach to managing waste		Sustainable materials management framework vs. Solid Waste management framework
	1) Addressing the full life cycle of materials		
	2) Moving From Where We've Been to Our New Vision <i>(provide timeline)</i>		
	3) The life cycle of products and materials		
	4) The garbage and recycling system		
	5) Leading with equity		
E	Environmental impacts of products and materials		
	1) Measuring environmental impacts		(use Total Life Cycle Analysis)
	2) Reducing our impact		
F	Values, principles, and vision		
	1) Overview		
	2) Values		
	3) Principles		
	4) Vision		
G	Goals and actions		
	1) Overview		
	2) Navigating the action tables		
	3) Shared prosperity		
	4) Product design and manufacturing		
	5) Product consumption and use		

SECTION	TOPICS	Remove?	Notes	
	6) Product end-of-life management			
	7) Disaster resilience			
	H	Measuring progress		
		1) Plan Indicators		
	I	Implementation, compliance, and amendments		
		1) Overview		
		2) Roles and responsibilities		
		3) The County’s Role in Solid Waste Management Planning and Operations		
		4) Oregon statutory requirements		
		5) Requirements for local governments		
		6) Plan implementation		
		7) Plan oversight		
	J	Legal foundation and policy guidance		
		1) Overview		
		2) Legal foundation		
		3) Policy guidance		
		4) Plan Organization		
	K	Management Planning Process And Summary		
		1) Building On Previous Planning Work		
		2) Management Planning Process		
	3) Public And Stakeholder Input			
	4) Common Themes Of Public And Stakeholder Input			
	6) Valuable Partnerships			
	Local Economic Development		Innovative & sustainable materials is an opportunity for entrepreneurs	
	Climate Change		1. Policy impacts 2. Waste stream impacts from climate change policy/shifts	

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III.	LIFE CYCLE IMPACTS OF MATERIALS		<ol style="list-style-type: none"> Where we've been, and where we need to go – going into a different direction Look at these opportunities that we have, ripples into county and region introductory language to include Determine which materials are most impactful
	A Introduction		"New Direction " already in introduction
	B Scale of impacts		Regional, state, national
	C Which materials are most impactful		
	Which Disposal methods are most impactful		We'd like to know the impacts of Benton County's materials – specifics, not general – industries, large quantity/impact generators (ex: lumber industry impacts)
	Method for ongoing analysis		recommendations
IV.	BACKGROUND AND WASTE STREAM ANALYSIS		<p>Important to understand the waste streams to determine potential options or education needs.</p> <p>Shift people from end of life, waste studies from DEQ</p>
	A Introduction		
	B Characteristics of the Planning Area		Neighborhood's nearby and some sort of analysis of who will be affected
	C Description of the Solid Waste Management System		
	D Summary of Annual Solid Waste Generation		
	1) Refuse Collection		
	2) Transfer Stations		
	3) Disposal Facilities		
	4) Recycling Facilities		
	E Current and Projected Waste Stream Composition and Quantities		Make its own section
	1) Definition		
	2) Historical Solid Waste Data		Purpose? Perhaps for projections. Decadal scale trends

SECTION	TOPICS	Remove?	Notes
	3) Waste Stream Composition		Waste Stream generation by economic sector (i.e. Industrial, farming, construction, education, medical)
	Unique waste streams – timber wastes ex.		
	Disposal methods – slash burning, open burning, etc. - impacts		
	4) Waste Stream Generation Forecast		a. Economic factors b. Environmental factors (climate change impacts.) c. Global trends in materials and the circular economy
V.	WASTE PREVENTION/REDUCTION/REUSE AND RECYCLING ANALYSIS		1. Reuse containers in Corvallis 2. What would happen if these were enacted? EPA WARM tool, and others <ul style="list-style-type: none"> a. What does this mean for Benton County? How well does it need to be carried out to be effective? b. Consider recommendations from SWAC work group 3. Include what Benton County does today, and rate their value <ul style="list-style-type: none"> a. What do we need in addition in order to meet recovery goals
A	Introduction		
B	Background		
C	Existing Waste Reduction and Reuse Programs		
	1) Waste Reduction Programs		Waste food
	2) Reuse Programs		
	3) Recycling Programs		
	4) Composting		
	5) Needs and Opportunities		
D	Alternatives for Increased Waste Reduction, Reuse, and Recycling		
	1) Enhance Current Promotion/Education/Support Services		

SECTION	TOPICS	Remove?	Notes
	2) Target Certain Types of Generators or Waste Streams to Increase Diversion by Expanding Basic Services		
	3) Targeted high impact materials for Reduction, Reuse, and Recovery		
	Sorting at point of generation		
	4) Target Recovery of New Materials		
	5) Recommendations		High level recommendations for recycling and processing in Benton County, regardless of current methods/systems. Adaptable. Collection to meet the coming processing options. List of options for systems, what should Benton County look for? MRF options?
VI.	RECYCLING AND MATERIALS PROCESSING		
A	Background and Existing Conditions		
	1) Existing Collection and Processing		
	2) Collection and Processing Services		
	3) Processing/collection Facilities		
	4) Yard Debris and Wood Waste Process Facilities		
	Food Waste - Organics		Animal carcasses? Unique wastes?
	5) Needs and Opportunities		Deconstruction, building materials to be addressed
B	Alternatives		
	1) Processing Recyclable Materials		
	Sorting Technologies – MRF?		

SECTION	TOPICS	Remove?	Notes
	2) Recommendations for Collection and Recycling/Processing		Want clarity as far as proven vs. unproven (on the horizon)
VII.	WASTE COLLECTION AND TRANSFER		
	A Background and Existing Conditions		
	1) Regulatory Framework		
	2) Local Authority		
	3) Existing Collection Services		
	4) Commercial Waste Collection		
	5) Transfer Station Operation Approach		
	6) Waste and Vehicle Volumes to Each Transfer Station		
	7) Recycling at Transfer Stations		Relate to recycling system, reuse system - context
	B Transfer Station Descriptions		
	1) Facility Needs		
	2) Disposal at a New In-County Landfill		
	3) Disposal at an Out-of-County Landfill		
	4) Other Operation Related Requirements		
	5) Collection Considerations for Specific Wastes		
	C Needs and Opportunities		
	1) Collection Services		
	2) Need to Expand Implement Transfer Station Capacity		
	D Alternatives and Evaluation		
	1) Increase Commercial Waste Collection of Recyclable Materials		
	2) Develop Transfer Stations Capacity		
Comparative costs of landfilling vs. waste to energy vs. recycling		Costs to the Franchisee Cost to the County	

SECTION	TOPICS	Remove?	Notes
			Costs to service receivers/customers/rate payers
	Comparison of different waste disposal and material management governance models		
	3) Recommendations		
	European/Global Strategies to Consider		
	Multiple vendors options		
VIII.	ALTERNATIVE TECHNOLOGIES AND SOLID WASTE DISPOSAL		
A	Background and Existing Conditions		
	1) Introduction		
	2) Flow Control		
	3) Existing Landfill Disposal		
B	Waste Stream Projections		
	1) Waste Disposal Projections		
	2) Needs and Opportunities		
C	Alternatives and Evaluation		
	1) Alternatives for Municipal Solid Waste (MSW) Disposal		
	2) Mixed Waste Processing		
	3) Technology Summary		
	4) Evaluation of Options		
	5) Findings and Recommendations		
	HAZARDOUS WASTE		Household Hazardous Waste Haz. Waste Generation
IX.	LANDFILL DISPOSAL OPTIONS		
A	Background		
B	County Authority for Waste Disposal		
C	Existing Landfill Disposal And list pros and cons of it		
D	Waste Stream Projections		Including possible scenarios and larger “ecosystem” that may impact waste stream – climate change, regulatory environment, costs, etc.
	Projection Scenarios		
	Landfill Lifespan		

SECTION	TOPICS	Remove?	Notes	
			Env. Impact Assessment	
	E		Needs and Opportunities	
	F			Disposal Options
				1) Long-Haul Waste to Out-of-County Landfills
				2) Option - Site and Build a New In-County Landfill
				3) Evaluation of Disposal Options
				4) Recommendations
X.			ADMINISTRATION AND ENFORCEMENT	
	A		Introduction	
	B			Background and Existing Conditions
				1) Solid Waste Administrative Agencies
				2) Solid Waste Advisory Council (SWAC) and Disposal Site Advisory Committee (DSAC)
				3) Solid Waste Enforcement
				4) Financing and Funding Sources
				5) Economic footprint
				6) Economic impact
			7) System revenue	
	C			Needs and Opportunities
				1) Management Considerations
				2) Financing and Funding Considerations
				3) Management Issues
	D			Alternatives and Evaluation
				Basis for deciding franchise contracts; annual renewals; capital costs
				What are the strategies/resources needed to effectively monitor progress of the plan, and stimulate/ensure policies are being followed. Stimulate positive engagement of Benton County community/businesses. Buy in? Short term – start to work on legislation. Policy development
			Should be considered for each topic/chapter/major section. Could be it's own section (intro/somewhere on top)	

SECTION		TOPICS	Remove?	Notes
		1) Administration/Management		
		2) Finance and Funding		
		3) Recommendations		
XI.		CONCLUSION		
XII.		RESOURCES		

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