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 (include discussion of exclusions to the Plan)		
	D	A new approach to managing waste: Sustainable materials management framework vs. Solid Waste management framework		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 (provide timeline)		
		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 (Full Life Cycle Analyses)		(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		

SECTION		TOPICS	Remove?	Notes
		4) Product design and manufacturing		
		5) Product consumption and use		
		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

SECTION		TOPICS	Remove?	Notes
		Opportunities for innovation and entrepreneurship		
		Climate Change		1. Policy impacts 2. Waste stream impacts from climate change policy/shifts
		Policy Impacts		
		Waste stream impacts from climate change policy/shifts		Ken homework assign
III.		**LIFE CYCLE IMPACTS OF MATERIALS**		1. Where we've been, and where we need to go – going into a different direction (covered above) 2. Look at these opportunities that we have, ripples into county and region 3. Determine which materials are most impactful
	A	Introduction		"New Direction " already in introduction
	B	Scale of impacts (Regional, state, national)		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)
		Impacts of generation sources (industries, large quantity generators)		
		Method and recommendations for ongoing analysis		recommendations
IV.		**BACKGROUND AND WASTE STREAM ANALYSIS**		Important to understand the waste streams to determine potential options or education needs. Shift people from end of life, waste studies from DEQ
	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		

SECTION		TOPICS	Remove?	Notes
	D	Analysis of community impacts from solid waste management system		
	E	Summary of Annual Solid Waste Generation		
		1) Refuse Collection		
		2) Transfer Stations		
		3) Disposal Facilities		
		4) Recycling Facilities		
	F	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
		3) Waste Stream Composition		Waste Stream generation by economic sector (i.e. Industrial, farming, construction, education, medical
		4) Waste stream generation by economic sector/industry		
		5) Unique waste streams – timber wastes ex.		
		6) Disposal methods – slash burning, open burning, etc. and their impacts		
		7) Waste Stream Generation Forecast, including Economic, environmental, and material trend factors		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 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 a. What do we need in addition in order to meet recovery goals

SECTION		TOPICS	Remove?	Notes
	A	Introduction		
	B	Background		
	C	Existing Waste Reduction and Reuse Programs		
		1) Waste Reduction Programs, including food		Waste food
		2) Reuse Programs		
		3) Recycling Programs		
		4) Composting		
		5) Needs and Opportunities		
		Construction and Demolition materials and Deconstruction		
	D	Alternatives for Increased Waste Reduction, Reuse, and Recycling		
		1) Enhance Current Promotion/Education/Support Services		
		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		
		Potential impacts/benefits of utilizing alternative options. How do these impact Benton County? What is needed to accomplish effectiveness?		
		Analysis of Recommendations from Advisory Groups and Public		
		Analysis and recommendations for policy as related to		

SECTION		TOPICS	Remove?	Notes
		Increased Waste Reduction, Reuse, and Recycling		
		Options for supporting circular economy		
		Options for integrating extended producer responsibility		
		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 and MRF options		
		Proven vs. Unproven alternatives		
		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		

SECTION		TOPICS	Remove?	Notes
		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
		Unique wastes		
	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 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 Costs to service receivers/customers/rate payers
		Comparison of different waste disposal and material management governance models		
		3) Recommendations		

SECTION		TOPICS	Remove?	Notes
		European/Global Strategies to Consider		
		Multiple vendor 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		
		possibilities for transition assistance from state and federal initiatives addressing climate change		
		4) Evaluation of Options		
		5) Findings and Recommendations		
		HAZARDOUS WASTE		Household Hazardous Waste Haz. Waste Generation
		Background and Existing Conditions		
		1) Existing Collection and Processing		
		2) Collection and Processing Services		
		3) Processing/collection Facilities		
		5) Needs and Opportunities		
		Alternatives		
		1) Collection and Processing services and facilities		
		2) Recommendations for Collection /Processing services and facilities		
IX.		**LANDFILL DISPOSAL OPTIONS**		
	A	Background		

SECTION		TOPICS	Remove?	Notes
	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 - climate change, regulatory environment, costs, etc.		
		Landfill Lifespan		
		Env. Impact Assessment		
	E	Needs and Opportunities		
	F	Disposal Options		
		1) Long-Haul Waste to Out-of-County Landfills		
		2) Alternative Options		
		3) Evaluation of Disposal Options		
		4) Recommendations		
X.		**ADMINISTRATION AND ENFORCEMENT**		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
	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		Should be considered for each topic/chapter/major section. Could be it's own section (intro/somewhere on top)

SECTION		TOPICS	Remove?	Notes
		7) System revenue		
		Monitoring plan progress		
		Ensuring Policies are followed		
		County community and business engagement		
	C	Needs and Opportunities		
		1) Management Considerations		
		2) Financing and Funding Considerations		
		3) Management Issues		
		Policy Development		
	D	Alternatives and Evaluation		
		Basis for deciding franchise contracts; annual renewals; capital costs		
		1) Administration/Management		
		2) Finance and Funding		
		3) Recommendations		
XI.		**CONCLUSION**		
XII.		**RESOURCES**		