

3.9 Materials and Solid Waste

How to meet your community's need for material supply and disposal through the most efficient use and re-use of the most sustainable materials and keeping waste out of the natural environment.

Short Term (0-24 months) Preferred Future Initiative:

Reuse products/materials.

Priorities:

- A) Education and promotion of reducing as a key to minimizing waste.
Strategies:
 - 1. Promote more care in purchasing.
 - 2. Encourage minimum use of plastic grocery bags.
 - 3. Encourage grocery stores to offer more items in bulk.
 - 4. Offer recycling options in grocery store parking lots.

- B) Service stations offer bulk oil
Strategies:
 - 1. Service stations offer bulk oil.

- C) Reuse – Promote awareness and educate all demographics of the community.
Strategies:
 - 1. Optimize and Synergize the operation of Greenwood Neighbourhood Place and the Thrift Store so materials can move easily and efficiently from user to user.

- D) Value from construction waste.
Strategies:
 - 1. Collect and sort construction waste to recover value.

- E) Organize transfer station to allow recovery of useable items.
Strategies:
 - 1. Organize transfer station for recovery of useable items.

- F) Educate public on reuse.
Strategies:
 - 1. Wide ranging program to encourage use of all reuse option.

Medium Term (2-5 years) Preferred Future Initiative:

Effective and efficient recycling.

Priorities:

- A) Effective and efficient recycling.
Strategies:
 - 1. More user-friendly recycling bins for plastics.
 - 2. Investigate/develop more markets for glass.

PRIORITIZATION MATRIX

Strategy Area: Material and solid waste
Preferred Future Initiative: Reduce waste ...reduce and be selective in purchases
Short Term / Medium Term / Long Term (circle the appropriate term)

Does this initiative:

1. move us towards our community's preferred future initiative?
2. move us towards the sustainability principles?
3. provide flexibility for future community leaders to take action?
4. generate sufficient economic and potential return to seed future investments?

Idea	# 1	# 2	# 3	# 4
Education - more care in purchasing	Yes / No	Yes / No	Yes / No	Yes / No
Education – use of eco-friendly bags instead of plastic	Yes / No	Yes / No	Yes / No	Yes / No
Food stores sell more bulk items	Yes / No	Yes / No	Yes / No	Yes / No
Additional recycling stations	Yes / No	Yes / No	Yes / No	Yes / No
Service stations sell more bulk oil	Yes / No	Yes / No	Yes / No	Yes / No
Awareness and education of reusing material	Yes / No	Yes / No	Yes / No	Yes / No
Value from construction waste	Yes / No	Yes / No	Yes / No	Yes / No
Recovery of useable items from transfer stations	Yes / No	Yes / No	Yes / No	Yes / No
Educate the public on Reuse	Yes / No	Yes / No	Yes / No	Yes / No

Reference Material:

The Natural Step Principles

1: We dig stuff up (like heavy metals and fossil fuels) out of the Earth's crust and allow it to build up faster than nature can cope with it.

2: We create man-made compounds and chemicals (like pesticides and plastics etc.) and allow them to build up faster than nature can cope with them.

3: We continuously damage natural systems and the free services they provide (including climate regulation and water filtration) by physical means (for example over harvesting and paving wetlands).

and..

4: We live in and create societies in which many people cannot meet their basic needs (for example, to find affordable housing).

5 Dimensions of a Sustainable Community

1: A Healthy Environment

2: A Strong Economy

3: A Vibrant Cultural Scene

4: Good Governance

5: A Strong Social Network

Town of Sundre MSP Process

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PREFERRED FUTURE INITIATIVE: Reuse products/materials				
Issues and Obstacles (short)	Assets and Opportunities	Measure of Success	Action Steps Within Next 0-24 months	Who is responsible for ensuring the action is carried out (see list at the end of document)
A) Education and promotion of Reduce as a key to minimizing waste.	<p>A1) Promote more care in purchasing. -what and how much you need - packaging – quantity: use of recyclable products.</p> <p>A2) Encourage minimum use of plastic grocery bags – encourage maximum use of eco-friendly bags.</p> <p>A3) Encourage grocery stores to offer more items in bulk – with recyclable bags for purchase.</p>	<p>A1) Less waste to landfill.</p> <p>A2) Less plastic bags to landfills and recycling centres.</p> <p>A3) Less packaging waste to landfill. Less food wastage – less material</p>	<p>A1) Education programs on 3 R's in schools – fun approach via cartoons, projects, discussion format, talks by celebrities etc. Awareness promotion using town website and other media.</p> <p>A2) Stores provide free or cheap eco-friendly bags; poster or super-size eco-friendly bag at entrance (for those who leave their bags in their vehicles). Stores charge for plastic bags as a deterrent for usage.</p> <p>A3) Discussion with local grocer, re: more bulk goods.</p>	<p>A1) Junior & Senior School executives Town of Sundre Local Schools</p> <p>A2) Town of Sundre Local Businesses</p> <p>A3) CAG Economic Development Committee</p>

Town of Sundre MSP Process

	A4) Offer recycling options in Grocery stores parking lots.	to compost. A4) Residents have additional recycling opportunities.	A4) Speak with local grocer & devise program.	A4)Town of Sundre
B) Service Stations offer bulk oil	B1) Service stations offer bulk oil	B1) Less containers to waste station. People using bulk purchase.	B1) Service stations to be approached with this initiative.	B1) Town of Sundre Business owners.
C) Reuse – promote awareness and educate all demographics of the community.	C1) Optimize and Synergize the operation of Greenwood Neighbourhood Place and the Thrift Store so materials move easily and efficiently from user to user.	C1) Materials used many times. Greenwood and Thrift store operate seamlessly. Easy access to information of goods available. Reduction of Waste to disposal.	C1) Town to facilitate a meeting of Greenwood Neighbourhood Place and Thrift store management to develop strategy and ways to keep public aware (ex: GNP website/Thrift store website, print media, town website, links)	C1) Town of Sundre Greenwood Neighbourhood Place Sundre Thrift Store.
D) Value from construction waste	D1) Collect and sort construction waste to recover value; could be part of reorganized transfer station operation.	D1) Reduction of construction waste to landfill.	D1) Mountain View Regional Waste Management Commission (MVRWMC) – develop a plan for value recovery of construction material. Appropriate Town Department to change permits to include responsibility to pre-sort reject materials for value recovery & possible bylaws and enforcement.	D1) MVRWMC Town of Sundre.

Town of Sundre MSP Process

<p>E) Organize transfer station to allow recovery of useable items – as part of a county wide systems</p>	<p>E1) Organize transfer station for recovery of useful items (may include construction reject materials.)</p>	<p>E1) People are reusing products from landfills. Survey residents re: value being recovered from the new operation (Possibly via town website).</p>	<p>E1) Encourage MVRWM to allow people to take items from landfills for re-use (possible “free store”)</p>	<p>E1) Town of Sundre MVRWMC</p>
<p>F) Educate public on reuse.</p>	<p>F1) Wide ranging program to encourage use of all reuse options</p>	<p>F1) Less material to waste station and landfills. Heavy use of Greenwood Neighbourhood Place/Thrift Store facilities.</p>	<p>F1) Develop educational programs using all media options. Direct program to all demographics Work with schools to sensitize kids to the need and the opportunities for reuse.</p>	<p>F1) Town leads program effort – working with GNP, thrift stores, schools.</p>

PRIORITIZATION MATRIX

Strategy Area: Materials & Solid Waste
Preferred Future Initiative:
Short Term / Medium Term / Long Term (circle the appropriate term)

Does this initiative:

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Idea	# 1	# 2	# 3	# 4
More user-friendly container for plastics	Yes / No	Yes / No	Yes / No	Yes / No
Investigate/Develop market for reuse of glass products	Yes / No	Yes / No	Yes / No	Yes / No

Reference Material:

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PREFERRED FUTURE INITIATIVE: Effective and efficient Recycling				
Issues and Obstacles (medium term)	Assets and Opportunities	Measure of Success	Action Steps Within Next 2-5 years	Who is responsible for ensuring the action is carried out (see list at the end of document)
A) Effective and efficient recycling	<p>A1) More user-friendly recycling bins for plastics.</p> <p>A3) Investigate/develop more markets for glass.</p>	<p>A1) Plastics end up in proper place.</p> <p>A3) Glass not stockpiled anywhere.</p>	<p>A1) Town to examine alternatives. Ask local inventive people to design one .</p> <p>Build a test model; run for a period of time.</p> <p>A3) Contact other communities and cities, RE: their disposal markets.</p> <p>Explore cost sharing/piggy backing.</p> <p>Check other industries within 100 km's of Sundre</p>	<p>A1) Town of Sundre– working with Mountain View Regional Waste Management Commission (MVRWMC)</p> <p>A3) Town of Sundre MVRWMC</p>