



Speak Up on
Garbage

DGMercer Eco Research

Myths & Concepts in Solid Waste Management

From a Saskatchewan Perspective

Solid Waste Management

within the context of a

Sustainable Community Plan

Elements to Consider in an Integrated Sustainable Community Plan

- Population Demographics and Trends
- Water Supply, Water Treatment & Sewage Management
- **Solid Waste Management & Waste Minimization**
- Transportation Planning & Traffic Management

- Energy Supply and Energy Efficiency
- Habitant Preservation & Environmental Protection
- Education and Education Facilities

- Land Use Planning, Land Subdivision and Land Use Zoning
- Housing – Number, Condition, Affordability
- Economic Development & Tourism
- Emergency Services & Policing

Elements of Waste Management:

- Collection
- Transportation
- Processing and/or Recycling
- Disposal
- Monitoring of residual materials

Hierarchy of Solid Waste Management

- Providing for Public Health & Safety
- Protection of the Environment
- Utility Service (Public and/or Private)
- Waste Minimization

Hierarchy of Waste Minimization

Hierarchy of Waste Minimization

- Reduce
- Reuse
- *And the last option of generally higher cost*

Hierarchy of Waste Minimization

- *Recycle*

Hierarchy of Waste Minimization

Reduce

Reuse

Recycle

Can **Recycling** solve solid waste
management issues ?

Social & Environmental & Economic

A Venn diagram with three overlapping circles on a black background. The top circle is light blue and labeled 'Social'. The bottom-left circle is light green and labeled 'Environment'. The bottom-right circle is light red and labeled 'Economic'. The intersection of the Social and Environment circles is light blue and labeled 'Bearable'. The intersection of the Social and Economic circles is light purple and labeled 'Equitable'. The intersection of the Environment and Economic circles is light yellow and labeled 'Viable'. The central intersection of all three circles is a greyish-white and labeled 'Sustainable'.

Social

Bearable

Equitable

Sustainable

Environment

Viable

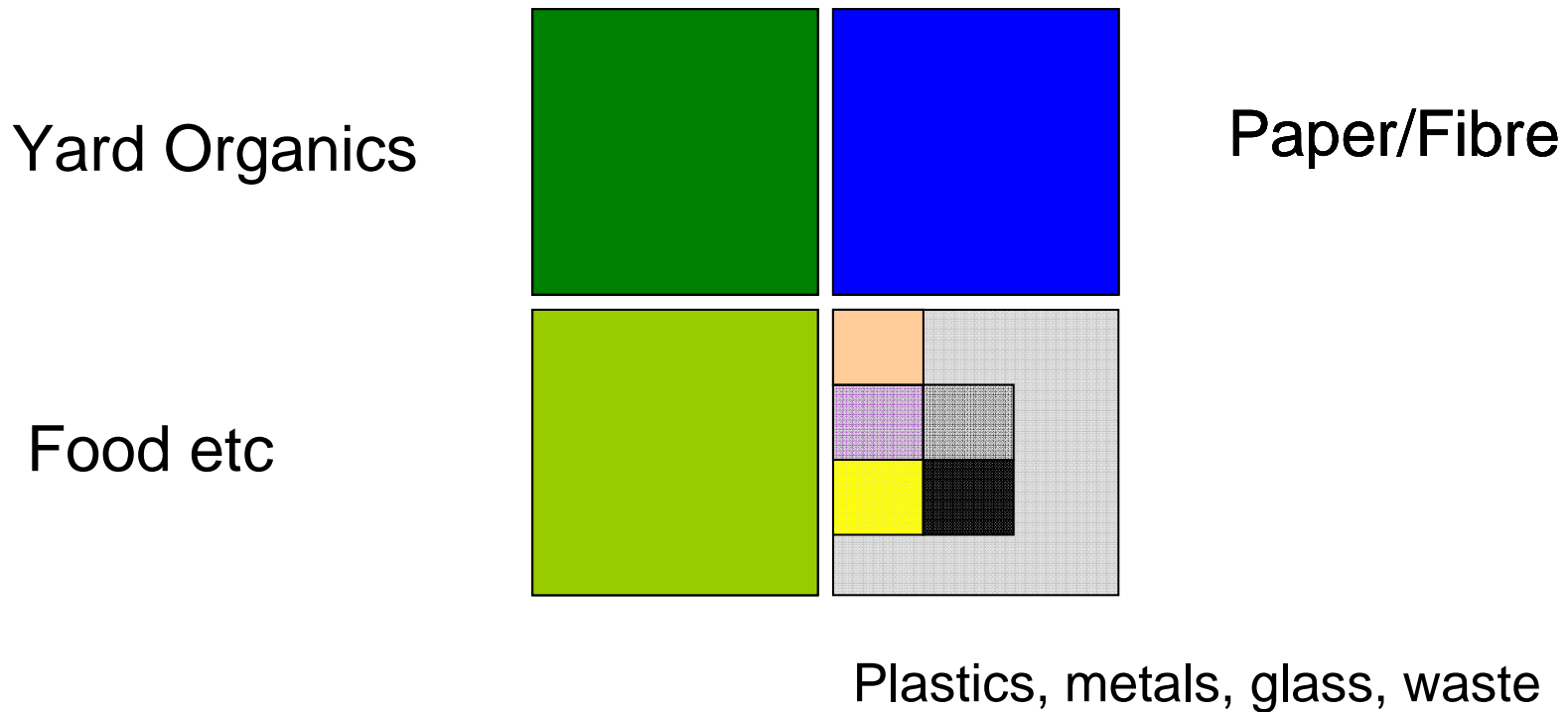
Economic

Social & Environmental & Economic

Find the Right **Balance**
for Your Community

Schematic Waste Characterization

Schematic Waste Characterization



Which Level of Government cares
the most about solid waste
management and waste
minimization?

Respective Government Interests

Government of Canada

Personal Income Tax

Corporate Income Tax

Goods and Services Tax

Government of Manitoba

Personal Income Tax

Corporate Income Tax

Retail Sales Tax

Municipal Property Tax

DETAILS – ESTIMATES OF REVENUE

SOURCE	ESTIMATES OF REVENUE 2010/11 \$ (000s)	ESTIMATES OF REVENUE 2009/10 \$ (000s)
1. TAXATION		
INCOME TAXES		
(a) Individual Income Tax	2,420,500	2,342,700
(b) Corporation Income Tax	246,900	346,600
	2,667,400	2,689,300
OTHER TAXES		
(a) Corporations Taxes	196,200	204,500
(b) Gasoline Tax	141,300	130,000
(c) Land Transfer Tax	51,000	46,400
(d) Levy for Health and Education	377,650	358,600
(e) Mining Claim Lease Tax	72	72
(f) Mining Tax	6,000	10,000
(g) Motive Fuel Tax	88,600	90,500
(h) Oil and Natural Gas Tax	7,676	5,604
(i) Retail Sales Tax	1,668,600	1,594,700
(j) Tobacco Tax	225,000	194,000
(k) Environmental Protection Tax	3,200	3,200
	2,765,298	2,637,576
TOTAL TAXATION	5,432,698	5,326,876

Retail Sales Tax - Manitoba 7%

2009-2010	1,594,700,000	(\$1.59 billion)
2010-2011	1,668,600,000	(\$1.67 billion)

Source: http://www.gov.mb.ca/finance/budget10/papers/r_and_e.pdf

Solid Waste Management

Material Management + Social Engineering

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