

**RECYCLING
TECHNOLOGY**

MICHIGAN RECYCLING RATE

Currently	20%
2005 Target	25%
Great Lake States Average	25.4%

**Almost any waste can be
recycled if collected**

CLEAN

and in sufficient

QUANTITY.

RECYCLING is a Business.

Profit Motivated.

RETAP Recommendations to Businesses/Institutions

- 1. Use the MRMMD continuously.**
- 2. Keep waste streams separated and free of contamination.**
- 3. Combine recyclables with other businesses or institutions to maximize volume.**

Paper Recycling

<u>Paper</u>	<u>Type</u>	<u>Value to End User, \$/Ton</u>	
		<u>Current</u>	<u>2003</u>
Computer (CPO)	s	193	175
High Grade Office (White)	s	140	125
Mixed Office (Colored)	s	115	97

Office Paper Recycling (Shredding)

Magazines	s	100	80
Newspaper (ONP)	ns	84	70
Cardboard (OCC)	ns	78	64
Paperboard	ns	40	30

Plastics Recycling

	<u>SPI #</u>	<u>Value to End User, \$/lb.</u>
Engineering		Over 1.00
Plastics (Lexan, PPO)		
Acrylic (Lucite)		.70 - .80
PET (PETE)	1	.40 - .45
Nylon		.30 - .40
PVC	3	.25 - .30
(Rigid or plasticized)		
ABS		.25 - .30
HDPE	2	.25 - .30
PP	5	.25 - .30
LDPE/LLDPE	4	.10 - .15
Acetate		.10 - .15
PS	6	.10 - .15
(Foamed, Rubber modified)		
Mixed Thermoplastics		.02 - .04

Metals Recycling

**Value to End
User, \$/lb.**

Tool Steels	Over 1.00
Copper, Brass, Bronze	.70 - 1.15
Stainless Steel	.45 - .55
Aluminum Cans	.35 - .55
Aluminum	.35 - .45
Tin Cans	.10 - .15
Iron/Steel	.10 - .15
Zinc	.05 - .10
White Goods	.02 - .03

Glass Recycling

<u>Type</u>	<u>Value to End User, \$/Ton</u>
Clear (Container)	23 - 25
Brown (Container)	12 - 15
Green (Container)	5
Mixed (Container)	0
Window Glass	0
Light Bulbs	0
Fluorescent Tubes	0
Glassware (Drinking glasses)	0

Pallets, Wood and Yard Waste Recycling

(In order of value)

Scrap Lumber

Pallets

Stumps and Trees

Bark

Sawdust

Leaves

Grass Clippings

Construction Debris

Demolition Debris

Drums and Barrels Recycling

(In order of value.)

Plastic Drums

Metal Drums

Fiber Drums

Oils and Solvents Recycling

(In Order of Value.)

Solvents

Antifreeze

Fuel Oil

Industrial Oils

Transmission Fluid

Lube Grease

Power Steering Fluid

Oil Filters

Metal Cutting Fluids

Paint

Miscellaneous Materials Recycling

Abrasives

Dry Cell Batteries

Lead Acid Batteries

Freon (CFCs)

Electronic Equipment/Used Computers

Office Furniture

Textiles

Tires/Rubber

Toner Cartridges