

Recycling Measurement in Pennsylvania


Recycling 520: Data Management

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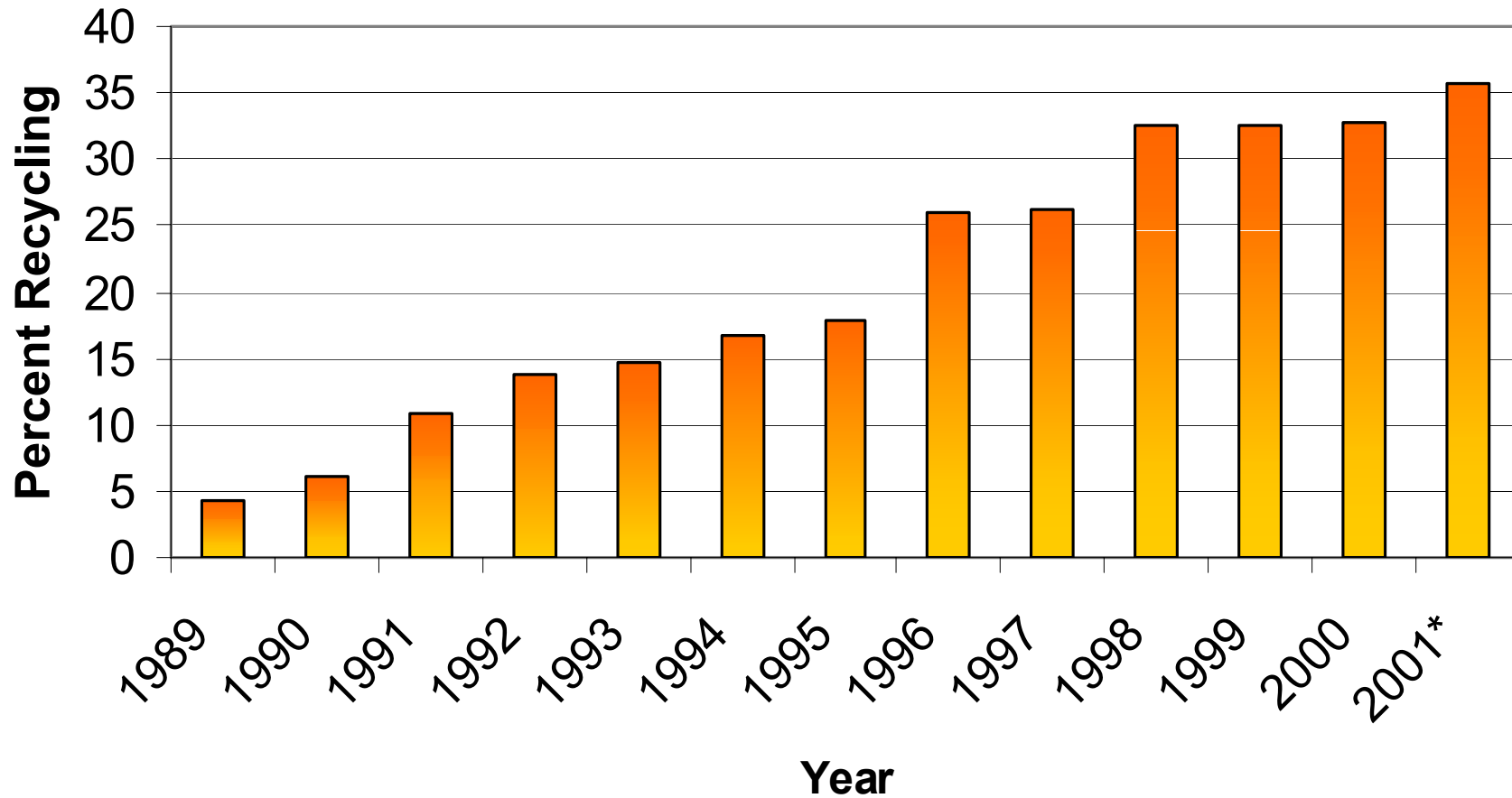
Waste Reduction and Recycling



Recycling Data Reporting

- Municipalities obtain recycling data
 - Municipalities report to their counties by February 15 each year
 - Counties report to DEP by April 1
 - DEP analyzes data and publishes recycling rate in the Annual Act 101 Report to the Legislature
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Pennsylvania's Recycling Rate





DEP Recycling Measurement Methodologies

- Act 101 Materials (1989 – 1994)
 - EPA Methodology (1995 – 1997)
 - “All” materials reported by counties (1998 – present)
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Act 101 Materials

- Aluminum Cans
- Steel & Bimetallic Cans
- Corrugated Cardboard
- Newsprint
- Office/Computer Paper
- Other Paper
- Clear Glass
- Colored & Other Glass
- PET Plastics
- HDPE Plastics
- Mixed Plastics
- Leaf/Yard Waste
- Car Batteries
- Commingled Materials

EPA Methodology

- All Act 101 Materials
- Antifreeze
- Food Waste
- HHW
- Mattresses
- Oil Filters
- Textiles
- Tires
- White Goods and Other Metals
- Wood
- Other (Consumer Electronics, Fluorescent Tubes, Circuit Boards)

“All” Materials Reported by Counties

- All EPA Materials
- Aluminum Scrap
- Auto Parts
- Construction/Demo-
lition Waste
- Fiber Drums
- Furniture
- Motor Oil
- NiCad Batteries
- Steel Drums
- Miscellaneous (Incl.
Incinerator Ash, Metals
from Incinerator Ash,
Toner Cartridges,
Freon, Other Consumer
Items, Asphalt, etc.)

2001 Recycling Tonnages

- Act 101 Materials 2,043,559.2 Tons
- EPA Methodology 3,042,449.5 Tons
- “All” Materials Reported by Counties 3,926,046.2 Tons**

2001 Recycling Rates

Act 101 Materials	18.8%
EPA Methodology	28.0%
“All” Materials Reported by Counties	36.1%

Potential Data Targets

	1999		2000		2001
	<u>Tons</u>		<u>Tons</u>		<u>Tons</u>
Newsprint	353,071.1		402,193.0		276,681.9
Office/Computer Paper	84,044.9		77,791.5		64,866.1
Other Paper	263,582.3		222,840.7		221,112.8
Clear Glass	48,736.3		50,315.0		15,608.7
Colored & Other Glass	43,495.6		40,541.3		28,151.9
HDPE Plastics	10,522.2		10,424.5		4,364.9
Car Batteries	33,198.7		69,311.5		16,703.5
Oil Filters	1,197.9		962.8		261.7
HHW	801.4		5,912.4		1,626.1
Mattresses	124.0		72.9		63.5
Tires	168,117.0		44,217.0		97,607.5
Wood	77,692.6		125,044.8		117,212.7
Antifreeze	670.2		6,640.7		2,589.7
TOTALS	1,085,254.3		1,056,268.1		846,851.0



References

- EPA Measuring Recycling guide:

EPA Office of Solid Waste website

www.epa.gov/epaoswer/osw/

Pollution Prevention Topics

Recycling Measurement: print version

References

- Commercial Recycling Report Form

DEP Division of Waste Minimization and Planning: www.dep.state.pa.us

(directLINK “Recycling
Coordinators Corner)

Recycling Performance Grants

Commercial Recycling Report Form