



# **FISCAL YEAR 2000 GOAL YEAR REPORT**

*Provided by the Waste Management Assistance Bureau,  
Comprehensive Planning Unit*

In 1989, the General Assembly expanded the solid waste management legislation provided in the 1987 Groundwater Protection Act through enactment of the **Waste Reduction and Recycling Act** (Code of Iowa, Chapter 455D). The most prominent addition was the establishment of statewide waste reduction goals. Iowans were directed to reduce the annual waste stream that was being disposed as of July 1, 1988, twenty-five percent by July 1, 1994, and fifty percent by July 1, 2000, through the practice of waste reduction at the source and through recycling.

All cities, counties, and public and private agencies operating or planning to operate a disposal project are required to file a Solid Waste Comprehensive Plan. This plan details the integrated solid waste management system of the entities using the disposal project and describes how local governments will meet the waste reduction goals of the 1989 Waste Reduction and Recycling Act by implementing waste reduction and recycling programs. Planning areas began submitting comprehensive plans in 1989. The plans are required to be updated and resubmitted every three years. Plan approval is required for sanitary disposal project permits to be issued or reissued.

Solid waste professionals have dedicated thousands of hours and millions of dollars to educating citizens about the importance of waste reduction and recycling. Significant progress has been made:

- Local governments have established more than 600 curbside recycling programs and over 360 drop-off programs in an effort to meet the statewide goals. Since 1987 more than \$35 million has been granted through the Solid Waste Alternatives Program (SWAP) in support of local recycling programs, educational initiatives, waste diversion programs, market development and other similar programs.
- More than one half of the counties in Iowa are now covered by a regional collection center (RCC) that accepts household hazardous waste from area residents thereby reducing the amount potential groundwater contaminates. WMAD has provided technical and financial assistance to planning areas to establish and maintain local RCCs serving 58 counties.
- Tires, banned from landfills since 1991, have been collected through a series of county grant programs and a statewide tire pile abatement program. 7,250,000 tires have been collected to date at a cost of \$6,011,652 and have been recycled or processed into value-added products.
- Since 1987, SWAP has funded 25 programs targeting the organics waste stream. This program has awarded \$5,146,263 in funding and more than 300,000 tons of organics have been diverted to date. Organics consist of food waste, yard waste, wood waste, paper products and manure. Currently, there are 70 compost facilities in Iowa, 45 of which are publicly owned. Still, 44% of waste landfilled in Iowa is organic; as Iowa moves toward becoming the food capital of the world steps need to be taken to achieve the sustainable management of organic residuals. PROIowa, a statewide organics composting council created with SWAP funding, is dedicated to reduction of organics landfilled.
- More than 60% of the waste landfilled in Iowa is generated by the commercial/industrial sectors. DNR continues to provide assistance to these generators. The Iowa Waste Exchange, a free, confidential program that actively promotes the reuse and recycling of Iowa business and industry by-products and wastes, diverted over 175,000 tons from Iowa landfills in FY2000 - saving businesses over \$4.8 million in avoided disposal costs. In addition, the Iowa Waste Reduction Center provides pollution prevention (P2) assistance to small businesses and the Waste Reduction Assistance Program provides P2 assistance to large businesses and industries. P2 practices reduce or eliminate the creation of pollutants through increased efficiency in the use of raw materials, energy, water, or other resources, or protection of natural resources by conservation. Several new initiatives have recently been started including an intern program to provide onsite P2 assistance to industries, and Environmental Management Systems workshops for a variety of audiences.
- Other benefits of Iowa's waste reduction and recycling include reduced air emissions, less polluted waterways, less energy consumption, and more jobs for Iowans. You can read more about these benefits in ***Global Resource Conservation Benefits Associated with Waste Diversion in Iowa***, and ***Economic Impacts of Recycling Study***, both available from the DNR.

# Planning Areas: FY2000



For FY2000 planning area descriptions refer to the back cover

## Planning Area Facts

- In 1994 there were 42 Planning Areas
- In 2000 there were 46 Planning Areas
- The largest Planning Area is 6 counties
- There are 21 single county Planning Areas
- There are 61 MSW landfills in the state
- 8 Planning Areas have more than one MSW landfill
- The average tipping fee at landfills is \$31.55/ton
- There are 32 transfer stations in operation currently
- There are 11 transfer stations that transport waste out of state for disposal

## Changes in Planning Areas

Several planning areas have changed since 1994. Most noticeably four large planning areas have separated, leaving several more single county planning areas. It appears that these divisions were caused for several reasons, including loss of the financial incentive and the sale of landfills.

Several new planning areas have also been formed in 1994. Plymouth, Cherokee and Buena Vista Counties have joined together for planning purposes. More recently single county planning areas have been decreasing. Four single county planning areas have joined other planning areas due to the closure of their landfills. This trend is likely to continue as landfills begin to reach their ultimate capacity. In FY2000 the Bureau granted seven plan amendments that resulted in additions to existing planning areas.

# Planning Areas: FY 1994



## How is goal progress determined?

Waste diversion goal progress is calculated using the base-year adjustment method. This method takes into account changes in population, employment, and taxable sales to more accurately determine progress towards the statewide goals. For example, a planning area that has experienced a period of economic growth will not be penalized for landfilling more waste. By the same token, a planning area in an economic slump will not benefit when landfill tonnage decreases due to these changes. Staff collects all of the necessary current year information from the planning areas, state agencies, such as the Department of Revenue and Finance, and US Census Bureau. The base year tonnage is adjusted to reflect the current year population and economics and then compared to the current year tonnage. Contact WMAB staff for the formula used.

PLANNING AREA	FY1994 GOAL PROGRESS	LAST GOAL PROGRESS	YEAR OF LAST GOAL PROGRESS CALCULATION	FY2000 GOAL PROGRESS	PERCENTAGE CHANGE SINCE LAST CALCULATION
Adair County Sanitary Landfill Commission	30.00%	27.17%	98	9.20%	-17.97%
Allamakee County Solid Waste Agency	26.00%	25.95%	98	31.53%	5.58%
Bi-State Regional Commission	33.00%	36.31%	96	44.31%	8.00%
Cass County Environmental Control Agency	22.00%	27.48%	98	26.70%	-0.78%
Central Disposal Systems / Winnebago County Landfill	29.00%	3.59%	98	22.77%	19.18%
Central Iowa Solid Waste Management Association	47.00%	54.78%	98	51.07%	-3.71%
Clarke County Landfill Commission		-7.89%	98	-9.40%	-1.51%
Des Moines County Regional Solid Waste Commission	27.00%	39.06%	98	43.46%	4.40%
Dickinson County Sanitary Landfill	11.00%	9.95%	98	26.83%	16.88%
Dubuque Metropolitan Area Solid Waste Agency	18.00%	24.73%	98	3.32%	-21.41%
East Central Iowa Council of Governments (ECICOG)	27.00%	36.19%	96	43.23%	7.04%
Fayette County Solid Waste Management Commission	30.00%	40.36%	97	22.37%	-17.99%
Flanegan Landfill Comprehensive Planning Area	-20.00%	19.99%	98	0.40%	-19.59%
Floyd-Mitchell County Solid Waste Management Agency	20.00%	28.38%	98	34.12%	5.74%
Fremont-Mills County Landfill Commission		31.88%	99	17.35%	-14.53%
Great River Regional Waste Authority	22.00%	1.91%	98	-9.57%	-11.48%
Harrison County Landfill Commission	17.00%	29.26%	98	33.08%	3.82%
Ida County Planning Area		40.08%	98	37.10%	-2.98%
Iowa Northland Regional Council of Governments (INRCOG)	48.00%	56.45%	98	55.96%	-0.49%
Iowa Waste Systems Association		43.14%	99	37.58%	-5.56%
Kossuth County Sanitary Landfill	25.00%	39.06%	98	37.43%	-1.63%
Landfill of North Iowa	12.00%	25.04%	98	21.30%	-3.74%
Louisa County Regional Solid Waste Agency		32.11%	98	2.10%	-30.01%
Mahaska County Solid Waste Management Commission		41.67%	97	56.21%	14.54%
Marshall County Solid Waste Management Commission	12.00%	37.40%	97	23.98%	-13.42%
Metro Waste Authority	30.00%	37.86%	97	35.45%	-2.41%
Montgomery County Landfill Association	17.00%	31.70%	97	28.24%	-3.46%
Newton, City of, Sanitary Landfill		32.77%	97	29.77%	-3.00%
North Central Iowa Regional Solid Waste Agency	25.00%	32.22%	99	-2.59%	-34.81%
North Dallas Regional Solid Waste Planning Commission	-28.00%	29.08%	98	34.23%	5.15%
Northwest Iowa Area Solid Waste Agency	-9.00%	21.79%	97	9.95%	-11.84%
Ottumwa-Wapello County Solid Waste Commission	25.00%	3.87%	98	1.08%	-2.79%
Page County Landfill Association		36.42%	97	31.10%	-5.32%
PCB (Plymouth, Cherokee & Buena Vista) Solid Waste Agency		34.63%	98	28.24%	-6.39%
Rathbun Area Solid Waste Management Commission	29.00%	39.68%	98	30.91%	-8.77%
Rural Iowa Waste Management Association	-40.00%	26.69%	98	21.17%	-5.52%
Sac County Solid Waste Agency	31.00%	25.19%	98	26.76%	1.57%
Siouxland Interstate Metropolitan Planning Council (SIMPCO)	21.00%	27.41%	98	4.80%	-22.61%
South Central Iowa Landfill Agency		34.95%	98	15.53%	-19.42%
South Central Iowa Solid Waste Agency		7.61%	98	4.82%	-2.79%
Southeast Multi-County Solid Waste Agency (SEMCO)	20.00%	28.98%	98	27.51%	-1.47%
Union County Landfill Commission		29.35%	98	30.36%	1.01%
Van Buren County Solid Waste Management Commission	-1.00%	13.27%	98	12.65%	-0.62%
Wayne-Ringgold-Decatur Solid Waste Management Commission		13.22%	98	8.41%	-4.81%
West Central Iowa Solid Waste Management Association		27.30%	99	27.51%	0.21%
Winneshiek County Solid Waste Agency	27.00%	35.12%	98	43.43%	8.31%
Statewide average	28.00%	36.00%		34.15%	
46 planning areas; 26 have attained 25%, 20 have not.					
Planning areas that are above 50% waste diversion					
Planning areas that are below 25% waste diversion					

For further information contact Jane Mild (515) 281-5105, jane.mild@dnr.state.ia.us or Laura Juliano, (515)281-8946, laura.juliano@dnr.state.ia.us.

## **Planning Area Descriptions**

**Adair County Sanitary Landfill Commission** - All cities and the unincorporated area in Adair County; and the Cities of Casey, Menlo, and Stuart in Guthrie County.

**Allamakee County Solid Waste Agency** - All cities, excluding Postville, and the unincorporated area in Allamakee County.

**Bi-State Regional Commission** - All cities and the unincorporated area in Cedar County; all cities and the unincorporated area in Clinton County; all cities and the unincorporated area in Jackson County; all cities and the unincorporated area in Muscatine County; and all cities and the unincorporated area in Scott County.

**Cass County Environmental Control Agency** - All cities and the unincorporated area in Cass County.

**Central Disposal Systems** - All unincorporated areas in Hancock County; all unincorporated areas and the cities of Leland, Rake, Scarville, and Thompson in Winnebago County; and all unincorporated areas and the city of Fertile in Worth County.

**Central Iowa Solid Waste Management Association** - All cities and the unincorporated area in Boone County; all cities, excluding Jefferson, and the unincorporated area in Greene County; all cities, Ames, Cambridge, Colo, Gilbert, Huxley, Kelley, Maxwell, McCallsberg, Nevada, Roland, Slater, Story City, Zearing and the unincorporated area in Story County; the Cities of Bouton, Granger, and Woodward in Dallas County; and the Cities of Farnhamville, Lohrville, and Somers in Calhoun County.

**Clarke County Landfill Commission** - All cities and the unincorporated area in Clarke County.

**Des Moines County Regional Solid Waste Commission** - All cities and the unincorporated area in Des Moines County; the cities of Mount Pleasant, Mount Union, New London, Rome, Salem, Westwood, and Winfield in Henry County; and the city of Morning Sun in Louisa County.

**Dickinson County Sanitary Landfill** - All cities and the unincorporated areas of Dickinson County, excluding the cities of Superior and Terrill; and the City of Armstrong in Emmet County.

**Dubuque Metropolitan Area Solid Waste Agency** - All cities and the unincorporated area in Delaware County; all cities and the unincorporated area in Dubuque County; the cities of Edgewood and Strawberry Point in Clayton County; and the city of Zwingle in Jackson County.

**East Central Iowa Council of Governments (ECICOG)** - All cities and the unincorporated area in Benton County; all cities, excluding Victor, and the unincorporated area in Iowa County; all cities and the unincorporated area in Johnson County; all cities and the unincorporated area in Jones County; all cities and the unincorporated area in Linn County; all cities and the unincorporated area in Tama County; and the Cities of Kalona and Riverside in Washington County.

**Fayette County Solid Waste Management Commission** - All cities and the unincorporated area in Fayette County.

**Flanegan Landfill Comprehensive Planning Area** - All cities, excluding Armstrong, and the unincorporated area in Emmet County; all cities, excluding West Bend, and the unincorporated area in Palo Alto County; all cities, excluding Fonda and Gilmore City, and the unincorporated area in Pocahontas County; the City of Whittemore in Kossuth County; the Cities of Superior and Terrill in Dickinson County; and the City of Bode in Humboldt County.

**Floyd-Mitchell County Solid Waste Management Agency** - All cities, excluding Lawler, and the unincorporated area in Chickasaw County; all cities, excluding Nora Springs, and the unincorporated area in Floyd County; all cities and the unincorporated area in Mitchell County; and the Cities of Chester, Elma, and Riceville in Howard County.

**Fremont-Mills Planning Area** - All cities and the unincorporated area in Fremont County, excluding the City of Hamburg; and the cities of Emerson and Henderson and the unincorporated area in Mills County.

**Great River Regional Waste Authority** - The City of Hillsboro and the unincorporated area in Henry County; all cities and the unincorporated area in Lee County; and portions of Hancock County, Illinois.

**Harrison County Landfill Commission** - All cities and the unincorporated area in Harrison County.

**Ida County Planning Area** - All cities and the unincorporated areas of Ida County

**Iowa Northland Regional Council of Governments (INRCOG)** - All cities and the unincorporated area in Black Hawk County; all cities and the unincorporated area in Bremer County; and all cities and the unincorporated area in Buchanan County; all cities and the unincorporated area in Grundy County; and the City of Lawler in Chickasaw County.

**Iowa Waste Systems Association** - The cities of Carson, Council Bluffs, Hancock, Macedonia, Neola, Oakland, Treynor, Walnut, and the unincorporated areas in Pottawattamie County; the cities of Glenwood, Hastings, Malvern, Pacific Junction, and Silver City in Mills County; and the city of Hamburg in Fremont County.

**Kossuth County Sanitary Landfill** - All cities, excluding Whittemore, and the unincorporated area in Kossuth County; the City of West Bend in Palo Alto County; the Cities of Britt, Corwith, Crystal Lake, Kanawha, and Woden in Hancock County; and the City of Buffalo Center in Winnebago County.

**Landfill of North Iowa** - All cities and the unincorporated area in Cerro Gordo County; all cities, excluding Alexander, and the unincorporated area in Franklin County; the Cities of Garner and Klemme in Hancock County; the City of Nora Springs in Floyd County; the Cities of Forest City, including Winnebago Industries, and Lake Mills in Winnebago County; and the Cities of Grafton, Hanlontown, Joice, Kensett, Manly, and Northwood in Worth County.

**Louisa County Regional Solid Waste Agency** - All cities, excluding Morning Sun, and the unincorporated area in Louisa County.

**Mahaska County Solid Waste Management Commission** - All cities, excluding Eddyville, and the unincorporated area in Mahaska County; and three industries (Cargill, Inc., Ajinomoto, Inc., and Heartland Lysine, Inc.) in Monroe County.

**Marshall County Solid Waste Management Commission** - All cities and the unincorporated area in Marshall County; the City of Collins in Story County; and the City of Whitten in Hardin County.

**Metro Waste Authority** - All cities and the unincorporated area in Polk County; the Cities of Carlisle, Hartford, and Norwalk in Warren County; the Cities of Mingo and Prairie City in Jasper County; and the City of Adel in Dallas County.

**Montgomery County Landfill Commission** - All cities and the unincorporated area in Montgomery County.

**Newton, City of, Sanitary Landfill** - The Jasper County cities of Baxter, Colfax, Kellogg, Lambs Grove, Lynville, Monroe, Newton, Oakland Acres, Reasnor, Sully and Valeria, and the unincorporated portion of Jasper County.

**North Central Iowa Regional Solid Waste Agency** - All cities and the unincorporated area in Webster County; all cities, excluding Bode, and the unincorporated area in Humboldt County; the City of Eagle Grove in Wright County; and the Cities of Rockwell City, Knierim, Pomeroy, and Manson and the North Central Correctional Facility in Calhoun County.

**North Dallas Regional Solid Waste Planning Commission** - The Cities of Dawson, Minburn, Perry, Redfield, and Waukee and the unincorporated area in Dallas County; and the City of Jefferson in Greene County.

**Northwest Iowa Area Solid Waste Agency** - All cities and the unincorporated area in Clay County; all cities and the unincorporated area in Lyon County; all cities and the unincorporated area in O'Brien County; all cities and the unincorporated area in Osceola County; and all cities and the unincorporated area in Sioux County.

**Ottumwa-Wapello County Solid Waste Commission** - All cities and the unincorporated area in Wapello County; and all cities and the unincorporated area in Davis County and the portion of Eddyville in Mahaska County.

**Page County Landfill Association** - All cities and the unincorporated area in Page County.

**PCB (Plymouth, Cherokee, Buena Vista) Solid Waste Agency** - All cities and the unincorporated area in Buena Vista County; all cities and the unincorporated area in Cherokee County; all cities and the unincorporated area in Plymouth County; and the City of Fonda in Pocahontas County.

**Rathbun Area Solid Waste Management Commission** - All cities and the unincorporated area in Appanoose County; the City of Seymour and Promise in Wayne County; and City of Princeton in Mercer County, Missouri.

**Rural Iowa Waste Management Association** - All cities and the unincorporated area in Butler County; all cities and the unincorporated area in Hamilton County; all cities, excluding Whitten, and the unincorporated area in Hardin County; all cities, excluding Eagle Grove, and the unincorporated area in Wright County; the Cities of Ackley, Alexander and Dows in Franklin County; and the City of Goodell in Hancock County.

**Sac County Solid Waste Agency** - All cities and the unincorporated area in Sac County.

**Siouxland Interstate Metropolitan Planning Council (SIMPCO)** - All cities and the unincorporated areas in Monona County, and Woodbury County.

**South Central Iowa Landfill Agency** - The incorporated and unincorporated areas of Madison County, excluding Macksburg; the incorporated and unincorporated areas of Warren County, excluding Carlisle, Hartford, and Norwalk; and the Dallas County cities of Dallas Center, De Soto, Dexter, Van Meter.

**South Central Iowa Solid Waste Agency** - All cities and the unincorporated area in Lucas County; all cities and the unincorporated area in Marion County; all cities and the unincorporated area in Monroe County; all cities and the unincorporated area in Poweshiek County; and the City of Victor in Iowa County.

**Southeast Multi-County Solid Waste Agency (SEMCO)** - All cities and the unincorporated area in Jefferson County; all cities and the unincorporated area in Keokuk County; all cities in Washington County, excluding Kalona and Riverside; and the Cities of Coppock, Olds, and Wayland in Henry County.

**Union County Landfill Commission** - All cities and the unincorporated area in Adams County; all cities and the unincorporated area in Taylor County; all cities and the unincorporated area in Union County; and the City of Macksburg in Madison County.

**Van Buren County Solid Waste Management Commission** - All cities and the unincorporated area in Van Buren County.

**Wayne-Ringgold-Decatur Solid Waste Management Commission** - All cities and the unincorporated area in Decatur County; all cities and the unincorporated area in Ringgold County; all cities, excluding Promise City and Seymour, and the unincorporated area in Wayne County.

**West Central Iowa Solid Waste Management Association** - All cities and the unincorporated area in Audubon County; all cities and the unincorporated area in Carroll County; the Cities of Jolley, Lake City, Rinard, and Yetter, and the unincorporated area in Calhoun County; all cities and the unincorporated area in Crawford County; all cities and the unincorporated area in Shelby County; all cities and the unincorporated areas of Guthrie County, excluding the cities of Menlo, and Stuart; the city of Linden in Dallas County; and the Cities of Avoca and Minden and 170 specific waste generating sources located in the rural area adjacent to the City of Avoca in Pottawattamie County.

**Winneshiek County Solid Waste Agency** - All cities, excluding Strawberry Point, and the unincorporated area in Clayton County; all cities, excluding Chester, Elma, and Riceville, and the unincorporated area in Howard County; all cities and the unincorporated area in Winneshiek County; the City of Postville and its environs in Allamakee County.