1995 SCORE Program Review

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MINNESOTA OFFICE OF

Environmental Assistance

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1995 SCORE Program Review

Background

In 1995, Minnesota recycled 45 percent of its municipal solid waste (MSW), an increase of three percent statewide over 1994. Greater Minnesota, as a region, recycled 41 percent, a six-percent increase over 1994. The Metropolitan Area, as a region, recycled 50 percent of MSW, a three-percent increase over 1994. The OEA attributes this continued increase in recycling rates to several factors, among them better accounting by counties of commercial and institutional recycling activities, and maturing programs that are benefiting from investments in public education and capital infrastructure. This steady increase in recycling rates indicate that Minnesota's investment of time and commitment to recycling programs has significantly reduced the amount of MSW that needs to be managed in the state.

The SCORE legislation passed in 1989 directed counties to achieve recycling goals of 25 percent of mixed MSW generated in Greater Minnesota and 35 percent in the Metropolitan Area by December 31, 1993. Subsequent amendments set supplementary recycling goals of 35 percent for Greater Minnesota counties and 50 percent for the Metropolitan Area by December 31, 1996.
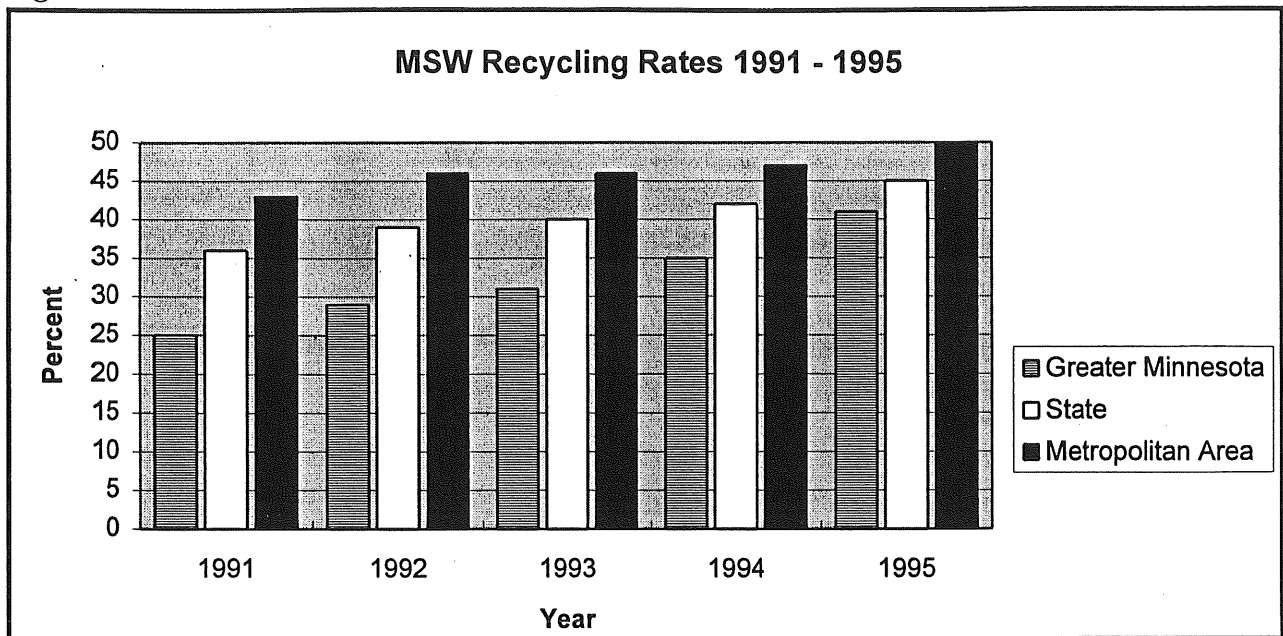
The 1996 goals include a yard waste credit of five percent and a source reduction credit of three percent, based on county program activities (Minn. Stat. §115A.551, subd. 2a.).

Minnesota's recycling rate

Greater Minnesota counties showed a fairly steady increase in recycling rates between 1991 and 1995 (Figure 1). The difference between the Greater Minnesota and Metropolitan Area recycling rates reflect the development of the two recycling systems. The less mature Greater Minnesota recycling system continued to grow as its infrastructure developed in the early 1990s.

The more mature Metropolitan system, which began its development in the mid-1980s, had high recycling growth rates in the early 1990s, but the increases slowed in recent years. This early development of the Metropolitan recycling system occurred in part because of direction and funding resulting from the 1985 Metropolitan Solid Waste Policy Plan.

Figure 1

MSW Recycling Rates 1991 - 1995

Efforts to meet recycling goals

All Greater Minnesota counties have prepared revised recycling implementation strategies intended to meet or exceed the 1996 recycling goal of 35 percent. The OEA worked closely with these counties, providing planning and technical assistance in developing recycling strategies that effectively address local conditions.

In developing these strategies, county and OEA staff evaluated existing recycling programs in a cooperative effort to identify additional opportunities to increase program efficiencies and tonnages of materials collected. This effort emphasized the role of waste education; sources of materials available for collection; tonnages available from residential, commercial and institutional sources; drop-off and curbside collection methods; and the potential to achieve greater economic efficiencies throughout the program.

Market effect on recycling programs

In 1995 recycling markets were very volatile. Some materials reached record high prices in the first half of 1995, and by the end of the year the markets were at record lows. For example, old newspaper prices peaked at about $200 per ton in June, and fell to as low as zero to -$20 per ton. Because paper fibers account for 70 percent to 80 percent of all material recycled, the market price for paper fibers has a big impact on recycling programs throughout the state. In response to low prices, their has been a dramatic increase in the amount of paper stored for future recycling.

Despite volatile market conditions, local programs were able to adapt and increase in there recycling rate.

In Minnesota, most communities contract with private collection businesses for recycling services. In many of these cases, contracts call for haulers to take ownership of the recyclable material upon collection. As such, market fluctuations affect the hauler's options and decisions in handling the collected material. Just as these haulers benefit with higher profits when recycling markets are good, they may realize some costs when markets go south.

In some instances, communities and haulers have employed a different option as part of their contracts. Instead of merely paying a hauler to collect the recyclables, some Minnesota communities have taken a cost-sharing approach, in which both the community and the hauler share the risk and the wealth as market prices for recyclables change. For example, a contract may specify that the municipality will receive a portion of the sales revenue generated by the material if the price exceeds a defined target price.

Other efforts have also helped to maintain the stability of Minnesota's recycling programs. Regional cooperation in the processing and marketing of recyclable materials has led to significant efficiencies for rural counties. This cooperation leads to economies-of-scale in the processing and transport of materials, which in turn improves the counties' ability to negotiate beneficial long-term contracts or to receive higher prices for recyclable material. In addition to these direct benefits, cooperation also stretches limited recycling program staff resources by consolidating efforts to market recyclable materials.

Residential recycling activities

Minnesota counties provide all residents with opportunities to recycle. The following are minimum requirements:

- At least one recycling center in each county that is convenient for residents to use.

- Convenient sites for collecting recyclable materials.

- At least one recycling opportunity (drop-off or curbside collection) in cities with populations above 5,000.

- Curbside collection in Greater Minnesota cities with populations above 20,000 and Metropolitan Area cities with populations above 5,000.

In addition, counties must promote recycling and educate the public about recycling opportunities. The opportunity to recycle must be provided to multi-family dwellings as well as single-family ones, and counties must encourage the availability of recycling services to generators of commercial, industrial and institutional MSW.

Recycling opportunities remained strong in Minnesota throughout 1995, with 3.4 million Minnesotans in more than 700 cities served by curbside collection programs. Statewide, 75 percent of all Minnesotans have access to curbside recycling services,

including 92 percent of the Metropolitan Area population and 56 percent of Greater Minnesota residents.

1995 opportunities to recycle included:

• 700 residential curbside recycling collection programs providing service to more than 3.4 million people.

• 1,292 recycling drop-off centers and stations.

• 111 material recovery facilities.

Commercial recycling activities

All Minnesota counties encourage building owners and managers, business owners and managers, and collectors of commercial MSW to provide appropriate recycling services and opportunities to generators of commercial, industrial and institutional solid waste.

In 1995, county activities included:

• 59 counties had specific programs to promote commercial and industrial recycling.

• 18 counties required businesses to recycle.

• 34 cities required businesses to recycle.

Recycling from the commercial, industrial and institutional (CII) sector represented the greatest increase in sector recycling performance in Minnesota for 1995. The increase in tons was nearly the same between Metropolitan and Greater Minnesota counties. The OEA feels that working with the commercial, industrial and institutional sector will play an important role in reaching the 1996 recycling goals and further increasing Minnesota's recycling rate.

In 1996 the OEA formed the Business Environmental Resource Center (BERC). The primary goal of BERC is to help Minnesota's businesses improve their economic efficiency through environmentally sound practices. As part of its mission the Business Environment Resource Center identified and selected six key sectors to assist.

The six sectors that were targeted for assistance are listed below.

• Construction and demolition debris (wood waste, drywall, cardboard, shingles, concrete, fiberboard, steel, brick, insulation, plastic sheeting and piping).

• Mercury-containing products (fluorescent lamps, thermometers, switches).

• Transport packaging (plastic film, old corrugated containers and pallets).

• Hospitality (hotels, resorts and restaurants).

• Composites (wood fiber, plastics and fiberglass).

• Office buildings (building maintenance and office operations).

In each sector BERC will work to assist businesses in reducing their waste, implementing pollution prevention measures, recycling more of their waste, using fewer toxic chemicals, and otherwise conserving resources.

In addition to BERC's efforts to work with targeted sectors, the OEA continues to operate the Recycling and Reuse Business Assistance Center (RBAC), which was funded by a two-year grant from the Environmental Protection Agency. RBAC is now working with Minnesota businesses to develop markets for several materials that are generated in large quantities and difficult to recycle within the state. These materials include colored PET, mixed paper and PVC plastics. By focusing on the more difficult-to-recycle wastes, Minnesota will not only improve its waste management, expand recycling and conserve virgin resources, but it will create new businesses and new jobs in recycling.

Credit for source reduction and yard waste activities

In 1993 the Minnesota Legislature adopted a three-percent source reduction credit to be added to the recycling rates of qualifying counties. The credit is awarded to counties that conduct specific source reduction program activities. In 1995 fifty one counties received the source reduction credit.

In 1995, the Minnesota Legislature adopted a five-percent yard waste credit, also to be added to the recycling rates of qualifying counties, which has replaced estimates of yard waste generation and composting. This is the first year the yard waste credit has been used for measuring progress toward county recycling goals. Previously all yard wastes were estimated based on county population.

Waste generation

Minnesota counties report the total mixed MSW generated in their annual SCORE reports. The Metropolitan Area counties also report this information in their annual Waste Certification Reports.

In 1995, Minnesota generated almost 4.6 million tons of mixed MSW. This represented a three-percent increase over 1994.

Per capita MSW generation

Minnesota has a goal to reduce the per capita generation of MSW by 10 percent in the state by the year 2000, based on the amount of MSW generated in 1993.

The per capita rates have increased steadily over the last five years for both Greater Minnesota and the Metropolitan Area. The statewide per capita rate increased from .96 tons per year in 1994 to .98 tons per year in 1995. This represents a 2 percent increase in per capita MSW generation for 1995.

County Survey Reponses:
1. Materials Collected for Recycling: Paper (in tons)

County	Corrugated	ONP	OMG	Office paper	Mixed paper	Phone book	Computer paper	Other paper	Total Paper
Aitkin County	502	246	75	32	0	9	0	74	938
Anoka County	11,022	12,290	205	877	14,947	67	193	44	39,646
Becker County	942	802	62	6	145	1	0	0	1,958
Beltrami County	1,679	334	65	122	0	5	0	0	2,205
Benton County	3,094	2,017	106	283	1,397	3	0	49	6,949
Big Stone County	172	107	41	12	0	0	0	0	331
Blue Earth County	5,843	651	0	0	4,907	36	0	0	11,437
Brown County	4,527	0	0	138	2,489	0	0	0	7,154
Carlton County	1,334	976	37	75	272	0	0	0	2,694
Carver County	2,311	3,648	27	9,539	0	0	0	0	15,525
Cass County	932	512	0	0	49	0	0	0	1,493
Chippewa County	973	363	73	4	19	2	3	0	1,437
Chisago County	1,550	1,340	0	190	0	0	0	0	3,080
Clay County	3,846	1,192	39	1,763	337	17	0	0	7,195
Clearwater County	68	33	19	6	0	0	0	0	127
Cook County	482	152	54	0	25	0	0	0	713
Cottonwood County	1,370	337	0	0	0	0	0	0	1,707
Crow Wing County	1,812	949	1,136	566	397	58	0	1,600	6,519
Dakota County	1,372	14,930	455	344	61	173	0	0	17,334
Dodge County	757	322	22	29	0	0	0	0	1,130
Faribault County	1,585	371	39	81	90	4	15	0	2,185
Fillmore County	233	126	24	2	104	3	0	0	491
Freeborn County	8,895	652	30	236	128	0	0	0	9,941
Goodhue County	10,287	2,152	348	729	551	8	137	0	14,212
Grant County	229	144	45	38	0	0	0	4	459
Hennepin County	35,212	54,346	3,465	9,480	23,689	901	0	579	127,672
Houston County	369	349	64	0	0	0	0	0	783
Hubbard County	1,245	213	15	34	0	3	0	0	1,511
Isanti County	940	376	35	111	0	5	3	0	1,470
Itasca County	2,074	1,089	1,183	418	0	0	0	0	4,764
Jackson County	694	559	0	95	0	2	0	0	1,350
Kanabec County	1,090	155	0	49	2,588	0	0	0	3,883
Kandiyohi County	3,325	630	179	399	282	0	0	50	4,865
Kittson County	6	100	3	0	1	1	0	0	111
Koochiching County	394	2	23	0	1,635	0	0	0	2,053
Lac Qui Parle County	467	116	70	32	0	6	0	0	693
Lake County	511	361	53	67	9	3	0	0	1,005
Lake of the Woods County	175	15	1	8	0	1	0	0	201
Le Sueur County	1,024	269	0	0	590	0	0	85	1,967
Lincoln County	231	117	0	0	0	0	0	0	347
Lyon County	3,752	175	44	0	539	0	0	9	4,519
Mahnomen County	1	55	0	0	0	0	0	0	56
Marshall County	53	134	1	1	24	1	0	0	214
Martin County	2,290	600	90	80	80	5	140	0	3,285
McLeod County	2,320	1,975	1	211	71	0	0	18	4,596
Meeker County	421	385	8	38	10	0	0	0	861
Mille Lacs County	1,716	262	34	46	16	6	0	0	2,080

County Survey Reponses:
1. Materials Collected for Recycling: Paper (in tons)

County	Corrugated	ONP	OMG	Office paper	Mixed paper	Phone book	Computer paper	Other paper	Total Paper
Morrison County	2,427	484	7	350	0	0	0	76	3,344
Mower County	3,867	805	140	135	0	11	0	0	4,958
Murray County	384	240	45	39	0	0	0	0	708
Nicollet County	1,525	520	0	0	5,772	1	0	4	7,823
Nobles County	3,098	348	0	90	0	0	0	0	3,536
Norman County	14	106	0	0	11	3	0	0	134
Olmsted County	8,074	4,463	527	1,572	1,761	41	12	53	16,504
Otter Tail County	2,375	745	4	109	0	23	10	3	3,268
Pennington County	943	0	0	0	0	0	0	0	943
Pine County	693	314	23	64	185	1	0	180	1,460
Pipestone County	677	341	5	43	0	3	6	0	1,075
Polk County	538	410	58	27	0	0	0	0	1,033
Pope/Douglas	4,986	1,227	64	84	156	2	0	3	6,522
Ramsey County	2,035	26,626	245	235	10,427	20	25	2	39,615
Red Lake County	108	90	16	15	0	0	0	0	229
Redwood County	758	339	157	0	79	7	0	0	1,340
Renville County	249	490	53	28	7	6	0	0	833
Rice County	5,313	1,915	99	260	82	26	0	176	7,870
Rock County	394	294	12	40	0	0	0	230	970
Roseau County	2,470	143	2	88	1	0	0	0	2,704
Saint Louis County-partial	2,308	2,031	395	69	54	4	3	0	4,864
Scott County	16,353	2,290	27	179	327	10	0	0	19,187
Sherburne County	1,224	1,265	168	113	123	30	15	0	2,938
Sibley County	634	199	0	0	241	1	0	0	1,075
Stearns County	12,072	4,227	222	1,161	6,744	24	61	0	24,511
Steele County	1,234	656	80	195	137	4	0	13	2,319
Stevens County	298	186	6	10	25	1	0	0	526
Swift County	522	315	35	85	0	0	17	0	974
Todd County	467	103	19	30	221	0	0	10,292	11,132
Traverse County	88	59	11	6	0	0	0	0	164
Wabasha County	915	816	13	31	0	1	0	0	1,776
Wadena County	505	11	0	0	169	0	0	0	685
Waseca County	1,920	261	116	40	473	0	0	27,775	30,585
Washington County	21,822	10,772	275	4,347	1,932	220	0	0	39,368
Watonwan County	961	1,212	0	0	0	0	0	0	2,174
Western LSSD	7,841	4,050	734	1,926	595	17	48	292	15,503
Wilkin County	128	120	16	21	16	1	0	0	302
Winona County	4,536	1,313	0	138	6,847	1	0	0	12,835
Wright County	3,253	3,227	101	380	226	5	0	0	7,192
Yellow Medicine County	463	205	26	9	0	3	4	0	710
Minnesota	242,602	180,146	11,871	38,062	92,063	1,784	693	41,611	608,832
Metro Area	90,127	124,902	4,698	25,002	51,384	1,391	218	625	298,347
Greater Minnesota	152,475	55,244	7,172	13,061	40,679	393	475	40,986	310,485

County Survey Reponses:
1. Materials Collected for Recycling: Metal (in tons)

County	Aluminum	Co-mingled al/st/tin	Steel/tin cans	Other ferrous & non-ferrous	Total Metal
Aitkin County	120	0	0	201	321
Anoka County	578	1,355	2,167	35,953	40,053
Becker County	218	0	84	68	371
Beltrami County	160	0	85	0	245
Benton County	655	176	737	11	1,579
Big Stone County	34	0	32	0	65
Blue Earth County	3,109	2,647	263	0	6,018
Brown County	467	45	218	3,098	3,828
Carlton County	208	0	153	54	415
Carver County	17	392	36	124	568
Cass County	110	0	125	0	235
Chippewa County	31	28	43	52	154
Chisago County	92	0	162	113	367
Clay County	165	0	116	1,229	1,509
Clearwater County	29	0	17	320	365
Cook County	27	0	26	146	199
Cottonwood County	59	0	52	199	311
Crow Wing County	280	0	535	3,898	4,712
Dakota County	9	1,898	0	0	1,908
Dodge County	73	6	5	919	1,003
Faribault County	38	10	204	547	799
Fillmore County	58	0	95	129	282
Freeborn County	131	14	425	378	948
Goodhue County	292	0	890	1,200	2,382
Grant County	9	0	28	66	103
Hennepin County	5,112	3,783	2,149	49,341	60,385
Houston County	176	0	86	301	564
Hubbard County	96	0	47	1,789	1,932
Isanti County	119	0	256	643	1,018
Itasca County	211	0	121	200	532
Jackson County	56	3	100	152	311
Kanabec County	77	0	43	122	242
Kandiyohi County	229	0	127	93	449
Kittson County	10	0	57	0	67
Koochiching County	55	0	23	0	78
Lac Qui Parle County	78	920	268	0	1,265
Lake County	46	120	87	528	781
Lake of the Woods County	43	0	36	121	201
Le Sueur County	730	0	151	456	1,337
Lincoln County	9	0	29	300	338
Lyon County	111	0	195	18	323
Mahnomen County	6	15	0	0	21
Marshall County	4	67	48	160	279
Martin County	50	640	205	197	1,092
McLeod County	69	304	234	10	617
Meeker County	173	0	332	57	562
Mille Lacs County	240	0	151	0	392

County Survey Reponses:
1. Materials Collected for Recycling: Metal (in tons)

County	Aluminum	Co-mingled al/st/tin	Steel/tin cans	Other ferrous & non-ferrous	Total Metal
Morrison County	523	71	858	515	1,967
Mower County	358	0	120	0	478
Murray County	54	0	38	8	100
Nicollet County	885	0	357	597	1,839
Nobles County	19	0	116	0	135
Norman County	13	0	26	495	535
Olmsted County	272	3	936	9,746	10,957
Otter Tail County	345	0	171	1,937	2,452
Pennington County	32	0	1,317	0	1,349
Pine County	103	0	93	4,747	4,944
Pipestone County	40	0	62	282	384
Polk County	87	0	74	1,141	1,302
Pope/Douglas	155	80	362	466	1,062
Ramsey County	1,189	2,355	340	13,775	17,658
Red Lake County	25	28	14	199	266
Redwood County	32	0	66	59	157
Renville County	62	0	91	515	668
Rice County	200	0	377	1,051	1,629
Rock County	151	0	0	592	743
Roseau County	12	0	68	~346	426
Saint Louis County-partial	439	1	502	27,683	28,625
Scott County	152	37	133	14,065	14,387
Sherburne County	155	58	1,925	4,677	6,815
Sibley County	378	0	84	193	656
Stearns County	491	137	609	4,100	5,337
Steele County	176	93	7,876	1,739	9,883
Stevens County	101	0	80	487	668
Swift County	82	0	53	24	159
Todd County	37	0	56	316	409
Traverse County	21	0	15	125	161
Wabasha County	70	0	119	0	189
Wadena County	142	0	107	332	581
Waseca County	2	43	32	1,913	1,990
Washington County	836	86	642	3,298	4,862
Watonwan County	40	0	71	228	339
Western LSSD	820	47	814	6,142	7,823
Wilkin County	42	28	0	50	120
Winona County	333	0	308	0	641
Wright County	559	192	911	467	2,129
Yellow Medicine County	53	0	61	65	179
Minnesota	24,155	15,681	31,126	205,566	276,528
Metro Area	7,893	9,906	5,466	116,556	139,821
Greater Minnesota	16,262	5,775	25,659	89,010	136,707

County Survey Reponses:
1. Materials Collected for Recycling: Plastics (in tons)

County	PET	HDPE	Mixed plastic	Polystyrene	Film plastic	Other plastic	Total
Aitkin County	0	0	40	0	0	0	40
Anoka County	27	62	936	3	204	477	1,709
Becker County	43	0	0	0	0	0	43
Beltrami County	0	26	0	0	0	0	26
Benton County	0	0	600	0	17	135	752
Big Stone County	0	0	24	0	0	0	24
Blue Earth County	0	61	987	0	26	0	1,073
Brown County	0	2	299	0	9	0	310
Carlton County	12	19	73	0	0	0	104
Carver County	0	0	272	0	0	103	375
Cass County	0	0	60	0	0	0	60
Chippewa County	0	0	43	335	1	51	430
Chisago County	0	102	0	0	2	0	104
Clay County	0	0	99	0	2	0	101
Clearwater County	0	0	3	0	0	0	3
Cook County	5	8	0	0	0	0	13
Cottonwood County	2	0	0	0	5	36	43
Crow Wing County	0	0	301	0	36	0	338
Dakota County	0	0	783	0	8	0	792
Dodge County	0	2	35	0	0	0	37
Faribault County	0	0	86	0	15	0	101
Fillmore County	13	34	0	0	0	0	47
Freeborn County	0	0	496	0	0	0	496
Goodhue County	31	45	177	0	0	36	289
Grant County	0	0	115	0	0	0	115
Hennepin County	143	0	12,792	0	0	10	12,945
Houston County	26	50	0	0	0	5	81
Hubbard County	9	14	10	0	0	0	33
Isanti County	0	0	88	0	0	0	88
Itasca County	59	0	0	0	0	0	59
Jackson County	0	0	59	0	5	0	64
Kanabec County	0	0	85	0	0	0	85
Kandiyohi County	36	38	0	0	0	2	76
Kittson County	0	3	15	0	0	0	18
Koochiching County	5	3	0	0	0	0	8
Lac Qui Parle County	0	0	42	0	0	22	64
Lake County	12	14	0	0	0	0	26
Lake of the Woods County	0	0	3	0	0	0	3
Le Sueur County	0	0	78	0	21	1	99
Lincoln County	0	0	19	0	0	0	19
Lyon County	0	0	199	0	0	0	199
Mahnomen County	0	0	13	0	0	0	13
Marshall County	3	2	20	0	0	0	25
Martin County	0	0	212	0	30	0	242
McLeod County	0	0	3,926	600	660	0	5,186
Meeker County	0	0	54	0	0	0	54
Mille Lacs County	0	0	46	0	0	0	46

County Survey Reponses:
1. Materials Collected for Recycling: Plastics (in tons)

County	PET	HDPE	Mixed plastic	Polystyrene	Film plastic	Other plastic	Total
Morrison County	0	2	101	19	7	26	155
Mower County	24	50	0	0	30	0	104
Murray County	0	0	30	0	0	0	30
Nicollet County	89	53	134	0	0	24	299
Nobles County	38	247	1	0	0	0	286
Norman County	0	0	17	0	0	0	17
Olmsted County	32	215	219	7	2	20	495
Otter Tail County	39	88	1	0	0	10	138
Pennington County	21	20	0	0	0	0	41
Pine County	0	0	51	0	0	1	52
Pipestone County	28	30	12	0	0	528	598
Polk County	0	0	47	0	0	0	47
Pope/Douglas	83	257	94	0	0	0	434
Ramsey County	0	0	698	0	0	0	698
Red Lake County	0	0	12	0	0	0	12
Redwood County	0	0	69	0	9	10	88
Renville County	0	0	95	0	0	0	95
Rice County	55	111	47	0	53	26	291
Rock County	0	0	0	0	0	0	0
Roseau County	0	0	24	0	167	0	191
Saint Louis County-partial	0	0	174	0	0	0	174
Scott County	7	10	148	0	37	0	202
Sherburne County	4	2	111	0	0	0	117
Sibley County	0	0	43	0	0	0	43
Stearns County	0	0	510	0	2	0	512
Steele County	0	75	34	0	13	285	407
Stevens County	13	35	0	0	0	0	48
Swift County	19	36	6	0	0	0	61
Todd County	0	0	25	0	0	0	25
Traverse County	0	0	10	0	0	0	10
Wabasha County	13	33	19	0	0	0	65
Wadena County	0	0	1	0	0	0	1
Waseca County	9	9	9	0	12	15	54
Washington County	17	52	420	0	0	0	490
Watonwan County	0	0	56	0	0	0	56
Western LSSD	4	10	226	0	0	11	251
Wilkin County	0	0	13	0	0	0	13
Winona County	38	169	0	0	0	59	266
Wright County	0	256	0	0	17	25	298
Yellow Medicine County	0	0	50	0	0	0	50
Minnesota	960	2,245	26,598	965	1,390	1,915	34,072
Metro Area	195	124	16,050	4	249	589	17,211
Greater Minnesota	765	2,121	10,549	961	1,141	1,326	16,862

County Survey Responses:
1. Materials Collected for Recycling: Glass (in tons)

County	Food & beverage glass	Other glass	Total Glass
Aitkin County	0	66	66
Anoka County	3,801	204	4,005
Becker County	263	0	263
Beltrami County	215	0	215
Benton County	323	0	323
Big Stone County	100	0	100
Blue Earth County	923	0	923
Brown County	305	0	305
Carlton County	472	0	472
Carver County	2,013	53	2,066
Cass County	298	0	298
Chippewa County	106	0	106
Chisago County	413	0	413
Clay County	285	0	285
Clearwater County	31	0	31
Cook County	150	0	150
Cottonwood County	102	0	102
Crow Wing County	258	0	258
Dakota County	5,054	0	5,054
Dodge County	168	0	168
Faribault County	151	170	321
Fillmore County	238	0	238
Freeborn County	286	0	286
Goodhue County	755	0	755
Grant County	55	0	55
Hennepin County	24,539	0	24,539
Houston County	291	0	291
Hubbard County	176	0	176
Isanti County	218	0	218
Itasca County	565	0	565
Jackson County	133	0	133
Kanabec County	102	0	102
Kandiyohi County	301	0	301
Kittson County	117	0	117
Koochiching County	66	0	66
Lac Qui Parle County	94	0	94
Lake County	184	0	184
Lake of the Woods County	0	500	500
Le Sueur County	256	32	288
Lyon County	301	0	301
Mahnomen County	38	0	38
Marshall County	183	0	183
Martin County	252	170	422
McLeod County	707	0	707
Meeker County	155	0	155
Mille Lacs County	140	0	140

County Survey Responses:
1. Materials Collected for Recycling: Glass (in tons)

County	Food & beverage glass	Other glass	Total Glass
Morrison County	330	0	330
Mower County	230	0	230
Murray County	83	0	83
Nicollet County	264	0	264
Nobles County	223	0	223
Norman County	48	0	48
Olmsted County	1,134	479	1,612
Otter Tail County	456	0	456
Pennington County	554	0	554
Pine County	343	0	343
Pipestone County	210	0	210
Polk County	920	0	920
Pope/Douglas	553	0	553
Ramsey County	8,319	125	8,444
Red Lake County	47	1	48
Redwood County	189	0	189
Renville County	296	0	296
Rice County	814	2,074	2,889
Rock County	0	0	0
Roseau County	140	4,927	5,067
Saint Louis County-partial	761	0	761
Scott County	871	0	871
Sherburne County	489	0	489
Sibley County	194	16	210
Stearns County	2,026	0	2,026
Steele County	266	19,488	19,754
Stevens County	116	0	116
Swift County	204	0	204
Todd County	168	0	168
Traverse County	17	0	17
Wabasha County	343	0	343
Wadena County	23	0	23
Waseca County	132	0	132
Washington County	4,025	125	4,150
Watonwan County	120	0	120
Western LSSD	2,026	3	2,029
Wilkin County	41	15	56
Winona County	788	0	788
Wright County	1,077	926	2,003
Yellow Medicine County	97	0	97
Minnesota	74,573	29,374	103,891
Metro Area	48,622	507	49,129
Greater Minnesota	25,951	28,867	54,762

County Survey Reponses:
1. Materials Collected for Recycling: Other (in tons)

County	Vehicle batteries	Appliances	Used oil	Used oil filters	Waste tires	Fluorescent & HID lamps
Aitkin County	79	78	13	6	26	2
Anoka County	1,637	1,600	213	168	533	33
Becker County	177	173	23	13	81	1
Beltrami County	222	250	29	17	251	0
Benton County	201	196	55	15	65	1
Big Stone County	37	36	5	0	12	0
Blue Earth County	338	330	44	26	625	16
Brown County	244	164	22	13	55	3
Carlton County	185	181	24	14	60	9
Carver County	338	330	44	26	110	0
Cass County	141	215	18	11	300	1
Chippewa County	81	79	11	6	26	1
Chisago County	213	208	28	16	69	1
Clay County	320	344	294	24	449	29
Clearwater County	51	50	7	4	17	0
Cook County	25	25	3	0	3	0
Cottonwood County	78	76	10	6	25	3
Crow Wing County	290	284	38	22	95	1
Dakota County	1,891	1,848	246	144	616	3
Dodge County	101	99	13	8	33	1
Faribault County	102	100	13	8	33	3
Fillmore County	128	125	17	10	42	1
Freeborn County	202	198	107	15	455	0
Goodhue County	258	252	34	20	84	5
Grant County	38	37	5	3	12	0
Hennepin County	6,486	6,340	845	357	2,113	14
Houston County	116	184	15	9	105	0
Hubbard County	120	101	31	12	108	3
Isanti County	172	168	22	13	56	6
Itasca County	258	252	34	20	84	3
Jackson County	71	70	9	5	23	7
Kanabec County	81	79	11	0	26	0
Kandiyohi County	249	243	32	19	81	1
Kittson County	34	34	4	3	40	1
Koochiching County	97	95	13	7	32	0
Lac Qui Parle County	54	52	7	4	17	1
Lake County	64	62	8	5	21	1
Lake of the Woods County	26	26	3	2	133	1
Le Sueur County	147	144	19	11	68	2
Lincoln County	42	42	5	3	14	0
Lyon County	155	151	20	12	50	4
Mahnomen County	31	31	6	2	10	0
Marshall County	66	65	9	5	22	0
Martin County	140	137	18	11	46	4
McLeod County	204	200	27	16	67	4
Meeker County	130	127	17	10	42	3
Mille Lacs County	118	116	15	9	39	0

County Survey Reponses:
1. Materials Collected for Recycling: Other (in tons)

County	Textiles	Carpet	Food waste	Unspecified or Other	Total
Aitkin County	0	0	0	0	204
Anoka County	413	147	4,070	996	9,811
Becker County	0	0	0	666	1,134
Beltrami County	0	0	0	0	769
Benton County	0	0	0	91	626
Big Stone County	7	0	0	0	97
Blue Earth County	478	0	0	7,126	8,983
Brown County	0	0	0	348	849
Carlton County	3	0	0	0	477
Carver County	0	0	6,855	107	7,810
Cass County	0	0	0	1,800	2,485
Chippewa County	0	0	0	0	203
Chisago County	56	0	36	0	627
Clay County	462	0	2,974	33	4,929
Clearwater County	9	0	0	0	138
Cook County	28	0	0	0	84
Cottonwood County	40	0	0	0	239
Crow Wing County	0	0	16	0	745
Dakota County	2,570	1	7,531	79,202	94,051
Dodge County	2	0	0	167	424
Faribault County	0	0	150	0	409
Fillmore County	90	0	0	0	411
Freeborn County	1	0	0	180	1,159
Goodhue County	0	0	0	0	653
Grant County	0	0	0	0	95
Hennepin County	28	24	23,332	296,414	335,954
Houston County	44	0	0	0	473
Hubbard County	60	0	0	7	441
Isanti County	0	7	107	4	556
Itasca County	0	0	0	0	651
Jackson County	100	0	0	30	317
Kanabec County	0	0	0	312	509
Kandiyohi County	0	0	156	0	781
Kittson County	0	0	0	3	119
Koochiching County	52	0	0	2	298
Lac Qui Parle County	12	0	0	0	147
Lake County	2	0	0	0	163
Lake of the Woods County	0	0	0	0	191
Le Sueur County	0	0	1,200	225	1,816
Lincoln County	6	0	0	0	112
Lyon County	193	0	0	2,535	3,121
Mahnomen County	0	0	0	0	81
Marshall County	0	0	0	0	166
Martin County	0	0	550	0	905
McLeod County	1	0	0	1,632	2,150
Meeker County	20	0	0	0	349
Mille Lacs County	0	0	0	0	297

County Survey Reponses:
1. Materials Collected for Recycling: Other (in tons)

County	Vehicle batteries	Appliances	Used oil	Used oil filters	Waste tires	Fluorescent & HID lamps
Morrison County	188	184	24	14	61	8
Mower County	231	225	30	18	75	4
Murray County	59	57	8	4	19	1
Nicollet County	178	174	23	14	58	6
Nobles County	125	122	16	10	41	5
Norman County	48	47	6	4	16	0
Olmsted County	702	686	92	53	229	17
Otter Tail County	318	311	41	24	104	2
Pennington County	1	80	4	6	62	0
Pine County	138	135	18	11	45	4
Pipestone County	64	62	8	5	21	0
Polk County	202	197	26	15	66	1
Pope/Douglas	250	245	33	19	82	2
Ramsey County	3,025	2,957	394	231	986	0
Red Lake County	27	27	12	2	33	1
Redwood County	106	104	14	8	35	1
Renville County	107	105	14	8	35	3
Rice County	317	309	41	24	103	5
Rock County	60	59	8	5	20	1
Roseau County	96	94	13	7	63	1
Saint Louis County-partial	1,379	529	47	1	279	6
Scott County	409	400	967	21	133	10
Sherburne County	350	398	848	28	530	1
Sibley County	89	87	12	7	29	0
Stearns County	768	751	100	58	250	18
Steele County	194	190	25	15	63	1
Stevens County	65	64	8	5	21	1
Swift County	67	65	9	5	22	1
Todd County	144	141	19	11	47	0
Traverse County	28	27	4	2	9	1
Wabasha County	125	122	16	9	41	2
Wadena County	116	272	11	0	26	1
Waseca County	110	107	14	8	36	1
Washington County	1,039	1,016	135	134	339	3
Watonwan County	71	70	9	5	23	3
Western LSSD	700	684	91	53	228	8
Wilkin County	46	45	6	3	15	2
Winona County	299	293	39	24	157	0
Wright County	461	451	60	35	150	3
Yellow Medicine County	71	70	9	5	23	1
Minnesota	29,013	27,958	5,744	2,042	11,849	291
Metro Area	14,825	14,492	2,846	1,081	4,830	63
Greater Minnesota	14,189	13,466	2,898	962	7,019	228

County Survey Reponses:
1. Materials Collected for Recycling: Other (in tons)

County	Textiles	Carpet	Food waste	Unspecified or Other	Total
Morrison County	0	0	0	0	479
Mower County	220	0	0	0	803
Murray County	89	0	0	1	239
Nicollet County	19	0	0	58	530
Nobles County	158	0	0	0	476
Norman County	0	0	0	0	121
Olmsted County	276	6	2,579	595	5,236
Otter Tail County	271	0	2,665	111	3,848
Pennington County	0	0	0	0	154
Pine County	0	0	572	3	926
Pipestone County	92	0	0	0	252
Polk County	2	0	2,308	0	2,816
Pope/Douglas	105	0	209	0	944
Ramsey County	513	0	9,997	171,690	189,795
Red Lake County	21	0	0	0	123
Redwood County	187	0	0	771	1,224
Renville County	0	0	0	0	272
Rice County	0	0	11,880	0	12,680
Rock County	0	0	0	0	152
Roseau County	0	0	0	0	275
Saint Louis County-partial	0	0	0	126	2,367
Scott County	0	0	0	270	2,210
Sherburne County	0	103	0	47	2,304
Sibley County	3	0	1,130	60	1,416
Stearns County	0	23	1,778	0	3,747
Steele County	7	0	0	824	1,319
Stevens County	0	0	0	0	164
Swift County	0	0	0	0	169
Todd County	78	0	0	0	441
Traverse County	0	0	11	0	81
Wabasha County	4	0	0	3	321
Wadena County	6	0	0	75	506
Waseca County	27	0	0	280	584
Washington County	251	0	3,720	1,182	7,819
Watonwan County	0	0	464	0	645
Western LSSD	1,266	0	137	1,679	4,846
Wilkin County	0	0	0	0	117
Winona County	321	0	1,705	0	2,838
Wright County	76	0	0	0	1,236
Yellow Medicine County	8	0	0	276	463
Minnesota	8,676	311	86,131	569,933	741,948
Metro Area	3,775	172	55,505	549,861	647,450
Greater Minnesota	4,901	139	30,625	20,072	94,498

County Survey Reponses
2. Materials collected for recycling: Total tons by sector

County	Documented CII Recycling	Estimated CII Recycling	Mechanical/ Hand Seperated Recycling	Residential Recycling	Total Tons Recycled
Aitkin County	1,167	150	0	253	1,570
Anoka County	63,728	1,597	4,750	25,189	95,265
Becker County	411	0	0	3,363	3,774
Beltrami County	843	0	0	2,618	3,461
Benton County	4,948	982	0	4,298	10,228
Big Stone County	66	0	0	551	617
Blue Earth County	24,444	310	314	3,385	28,453
Brown County	9,715	500	0	2,233	12,448
Carlton County	1,710	0	0	2,452	4,162
Carver County	19,227	0	0	7,117	26,344
Cass County	300	0	0	4,281	4,581
Chippewa County	1,619	0	0	710	2,329
Chisago County	2,010	43	0	2,538	4,591
Clay County	10,172	0	0	3,871	14,043
Clearwater County	0	0	0	665	665
Cook County	0	96	0	1,063	1,159
Cottonwood County	1,527	0	0	875	2,401
Crow Wing County	7,724	1,480	0	3,368	12,572
Dakota County	7,531	79,121	0	32,524	119,175
Dodge County	765	696	345	958	2,764
Faribault County	1,289	978	367	1,195	3,829
Fillmore County	378	0	0	1,092	1,470
Freeborn County	7,117	3,210	0	2,503	12,830
Goodhue County	3,854	10,365	0	4,072	18,291
Grant County	323	0	0	507	830
Hennepin County	154,542	260,458	33,817	112,978	561,795
Houston County	108	0	0	2,082	2,190
Hubbard County	1,791	0	0	2,302	4,094
Isanti County	1,377	533	0	1,440	3,351
Itasca County	0	370	0	6,201	6,571
Jackson County	995	1,011	0	179	2,185
Kanabec County	3,530	0	98	1,193	4,821
Kandiyohi County	2,226	156	0	4,092	6,474
Kittson County	6	0	0	426	432
Koochiching County	1,362	518	0	623	2,503
Lac Qui Parle County	0	0	0	2,263	2,263
Lake County	898	208	46	1,009	2,161
Lake of the Woods County	383	0	0	717	1,100
Le Sueur County	1,670	2,357	0	1,480	5,507
Lincoln County	215	300	0	357	872
Lyon County	6,472	0	0	1,992	8,464
Mahnomen County	0	0	0	211	211
Marshall County	162	0	165	539	866
Martin County	2,265	1,565	357	1,870	6,057
McLeod County	8,486	0	0	4,777	13,263

County Survey Reponses
2. Materials collected for recycling: Total tons by sector

County	Documented CII Recycling	Estimated CII Recycling	Mechanical/ Hand Seperated Recycling	Residential Recycling	Total Tons Recycled
Meeker County	285	436	0	1,264	1,984
Mille Lacs County	0	0	0	2,955	2,955
Morrison County	3,683	667	0	1,929	6,279
Mower County	2,996	1,380	0	2,210	6,586
Murray County	324	0	0	837	1,160
Nicollet County	8,320	1,191	0	1,251	10,761
Nobles County	3,882	0	0	1,125	5,007
Norman County	25	545	0	284	854
Olmsted County	11,038	9,551	0	14,262	34,852
Otter Tail County	7,554	0	0	2,608	10,162
Pennington County	0	1,458	1,429	160	3,046
Pine County	6,520	0	0	1,204	7,724
Pipestone County	1,344	0	0	1,182	2,526
Polk County	2,669	0	0	3,450	6,119
Pope/Douglas	4,573	2,273	0	2,668	9,514
Ramsey County	25,661	163,513	10,575	56,462	256,211
Red Lake County	94	0	0	585	679
Redwood County	1,499	44	0	1,456	2,999
Renville County	630	147	0	1,387	2,164
Rice County	18,620	192	0	6,547	25,358
Rock County	0	0	0	1,865	1,865
Roseau County	7,987	0	0	676	8,663
Saint Louis County-partial	23,198	0	0	13,593	36,791
Scott County	31,428	0	0	5,429	36,857
Sherburne County	7,165	0	745	4,753	12,663
Sibley County	1,898	844	0	659	3,401
Stearns County	25,431	0	1,440	9,262	36,133
Steele County	31,779	0	0	1,904	33,683
Stevens County	666	110	0	748	1,524
Swift County	659	0	39	879	1,577
Todd County	10,291	0	1,060	825	12,175
Traverse County	247	0	0	229	475
Wabasha County	685	0	0	2,012	2,697
Wadena County	948	332	0	516	1,796
Waseca County	32,213	0	0	1,134	33,347
Washington County	4,718	31,218	3,459	17,327	56,722
Watonwan County	1,693	0	0	1,641	3,334
Western LSSD	0	226	783	29,470	30,478
Wilkin County	135	0	0	473	607
Winona County	13,491	110	0	3,767	17,368
Wright County	3,206	1,195	1,914	6,541	12,857
Yellow Medicine County	0	0	0	1,500	1,500
Minnesota	653,742	582,435	61,703	467,441	1,766,488
Metro Area	306,835	535,907	52,601	257,025	1,152,368
Greater Minnesota	346,907	46,528	9,102	210,416	614,120

County Survey Reponses
3. Wastes Generated

County	Estimated tons of MSW not collected	Total PM not recycled	Tons to MSW processing facilities	Tons collected for recycling	Total tons generated
Aitkin County	493	324	4,342	1,570	6,729
Anoka County	0	6,711	144,678	95,265	246,654
Becker County	821	704	10,671	3,774	15,971
Beltrami County	0	697	17,144	3,461	21,303
Benton County	2,315	797	14,978	10,228	28,318
Big Stone County	704	155	1,615	617	3,090
Blue Earth County	1,321	947	29,337	28,453	60,059
Brown County	1,774	677	13,139	12,448	28,038
Carlton County	2,201	761	8,438	4,162	15,562
Carver County	657	1,413	32,108	26,344	60,523
Cass County	164	362	11,112	4,581	16,220
Chippewa County	1,347	331	6,456	2,329	10,463
Chisago County	1,643	875	15,574	4,591	22,682
Clay County	665	688	24,015	14,043	39,412
Clearwater County	232	211	3,169	665	4,278
Cook County	33	110	3,149	1,159	4,451
Cottonwood County	1,136	321	4,168	2,401	8,027
Crow Wing County	1,907	1,193	34,800	12,572	50,471
Dakota County	0	7,768	166,795	119,175	293,738
Dodge County	645	416	5,356	2,764	9,181
Faribault County	1,511	420	10,478	3,829	16,239
Fillmore County	1,511	525	5,721	1,470	9,226
Freeborn County	684	487	17,379	12,830	31,380
Goodhue County	1,708	1,061	22,579	18,291	43,639
Grant County	692	156	2,090	830	3,768
Hennepin County	0	26,786	752,218	561,795	1,340,798
Houston County	394	382	5,028	2,190	7,994
Hubbard County	115	286	9,212	4,094	13,707
Isanti County	2,333	707	8,554	3,351	14,945
Itasca County	365	1,060	18,253	6,571	26,249
Jackson County	744	293	3,706	2,185	6,928
Kanabec County	1,413	339	5,859	4,821	12,431
Kandiyohi County	665	1,022	23,583	6,474	31,744
Kittson County	140	113	1,930	432	2,614
Koochiching County	1,037	399	7,187	2,503	11,126
Lac Qui Parle County	1,478	220	2,624	2,263	6,586
Lake County	164	262	4,391	2,161	6,979
Lake of the Woods County	33	74	1,403	1,100	2,609
Le Sueur County	1,106	583	10,072	5,507	17,268
Lincoln County	756	171	1,376	872	3,175
Lyon County	1,219	635	16,465	8,464	26,783
Mahnomen County	332	127	1,373	211	2,044
Marshall County	357	272	3,197	866	4,691
Martin County	1,840	576	12,269	6,057	20,742
McLeod County	1,886	840	36,666	13,263	52,654
Meeker County	1,061	533	9,224	1,984	12,802

County Survey Reponses
3. Wastes Generated

County	Estimated tons of MSW not collected	Total PM not recycled	Tons to MSW processing facilities	Tons collected for recycling	Total tons generated
Mille Lacs County	1,314	487	8,247	2,955	13,003
Morrison County	1,479	771	13,634	6,279	22,163
Mower County	2,719	947	22,461	6,586	32,713
Murray County	953	241	2,008	1,160	4,362
Nicollet County	996	733	9,589	10,761	22,079
Nobles County	1,257	513	4,933	5,007	11,710
Norman County	22	198	3,298	854	4,371
Olmsted County	329	2,885	67,838	34,852	105,903
Otter Tail County	1,166	1,307	29,380	10,162	42,016
Pennington County	756	387	11,019	3,046	15,209
Pine County	2,995	568	10,218	7,724	21,505
Pipestone County	1,018	263	4,411	2,526	8,218
Polk County	1,314	828	15,366	6,119	23,627
Pope/Douglas	388	1,029	19,553	9,514	30,484
Ramsey County	0	12,430	319,739	256,211	588,380
Red Lake County	30	80	1,185	679	1,974
Redwood County	2,057	436	4,302	2,999	9,793
Renville County	2,086	442	6,015	2,164	10,707
Rice County	3,933	1,301	28,200	25,358	58,792
Rock County	739	248	3,270	1,865	6,122
Roseau County	493	364	9,483	8,663	19,003
Saint Louis County-partial	1,396	3,024	48,675	36,791	89,885
Scott County	0	775	41,115	36,857	78,746
Sherburne County	1,480	0	24,075	12,663	38,218
Sibley County	2,062	365	3,806	3,401	9,634
Stearns County	7,290	3,157	54,988	36,133	101,568
Steele County	821	798	21,737	33,683	57,040
Stevens County	638	267	4,435	1,524	6,864
Swift County	969	275	2,579	1,577	5,399
Todd County	2,006	594	6,603	12,175	21,378
Traverse County	591	107	1,348	475	2,522
Wabasha County	480	512	7,529	2,697	11,219
Wadena County	637	313	6,272	1,796	9,019
Waseca County	450	451	10,000	33,347	44,248
Washington County	0	4,260	92,968	56,722	153,950
Watonwan County	1,339	293	7,402	3,334	12,368
Western LSSD	2,956	1,887	55,355	30,478	90,676
Wilkin County	621	187	2,194	607	3,609
Winona County	1,511	1,170	22,124	17,368	42,173
Wright County	1,363	1,894	22,946	12,857	39,059
Yellow Medicine County	972	292	3,772	1,500	6,536
Minnesota	95,226	110,868	2,577,951	1,766,488	4,550,534
Metro Area	657	60,143	1,549,621	1,152,368	2,762,789
Greater Minnesota	94,569	50,725	1,028,331	614,120	1,787,745

County Survey Reponses:
4. County Recycling rates

County	Base recycling rate	YW credit	SR credit	Total credit	1995 Total recycling rate
Aitkin County	23%	5%	3%	8%	31%
Anoka County	39%	5%	3%	8%	47%
Becker County	24%	5%	3%	8%	32%
Beltrami County	16%	5%	0%	5%	21%
Benton County	36%	5%	0%	5%	41%
Big Stone County	20%	5%	0%	5%	25%
Blue Earth County	47%	5%	3%	8%	55%
Brown County	44%	5%	0%	5%	49%
Carlton County	27%	5%	3%	8%	35%
Carver County	44%	5%	0%	5%	49%
Cass County	28%	5%	3%	8%	36%
Chippewa County	22%	5%	0%	5%	27%
Chisago County	20%	5%	0%	5%	25%
Clay County	36%	5%	3%	8%	44%
Clearwater County	16%	0%	0%	0%	16%
Cook County	26%	0%	0%	0%	26%
Cottonwood County	30%	5%	3%	8%	38%
Crow Wing County	25%	5%	0%	5%	30%
Dakota County	41%	5%	3%	8%	49%
Dodge County	30%	5%	3%	8%	38%
Faribault County	24%	5%	3%	8%	32%
Fillmore County	16%	5%	3%	8%	24%
Freeborn County	41%	5%	3%	8%	49%
Goodhue County	42%	5%	3%	8%	50%
Grant County	22%	5%	0%	5%	27%
Hennepin County	42%	5%	3%	8%	50%
Houston County	27%	5%	3%	8%	35%
Hubbard County	30%	5%	3%	8%	38%
Isanti County	22%	0%	0%	0%	22%
Itasca County	25%	5%	0%	5%	30%
Jackson County	32%	5%	3%	8%	40%
Kanabec County	39%	0%	0%	0%	39%
Kandiyohi County	20%	5%	0%	5%	25%
Kittson County	17%	5%	3%	8%	25%
Koochiching County	22%	5%	0%	5%	27%
Lac Qui Parle County	34%	5%	3%	8%	42%
Lake County	31%	0%	0%	0%	31%
Lake of the Woods County	42%	5%	3%	8%	50%
Le Sueur County	32%	5%	3%	8%	40%
Lincoln County	27%	0%	0%	0%	27%
Lyon County	32%	5%	3%	8%	40%
Mahnomen County	10%	5%	3%	8%	18%
Marshall County	18%	0%	0%	0%	18%
Martin County	29%	5%	3%	8%	37%
McLeod County	25%	5%	3%	8%	33%
Meeker County	15%	5%	0%	5%	20%

County Survey Reponses:
4. County Recycling rates

County	Base recycling rate	YW credit	SR credit	Total credit	1995 Total recycling rate
Mille Lacs County	23%	0%	0%	0%	23%
Morrison County	28%	5%	3%	8%	36%
Mower County	20%	5%	0%	5%	25%
Murray County	27%	0%	3%	3%	30%
Nicollet County	49%	5%	3%	8%	57%
Nobles County	43%	5%	3%	8%	51%
Norman County	20%	0%	0%	0%	20%
Olmsted County	33%	5%	3%	8%	41%
Otter Tail County	24%	0%	3%	3%	27%
Pennington County	20%	5%	3%	8%	28%
Pine County	36%	5%	0%	5%	41%
Pipestone County	31%	5%	3%	8%	39%
Polk County	26%	0%	3%	3%	29%
Pope/Douglas	31%	5%	3%	8%	39%
Ramsey County	44%	5%	3%	8%	52%
Red Lake County	34%	5%	3%	8%	42%
Redwood County	31%	0%	0%	0%	31%
Renville County	20%	0%	0%	0%	20%
Rice County	43%	5%	3%	8%	51%
Rock County	30%	5%	0%	5%	35%
Roseau County	46%	5%	0%	5%	51%
Saint Louis County-partial	41%	5%	3%	8%	49%
Scott County	47%	5%	0%	5%	52%
Sherburne County	33%	5%	0%	5%	38%
Sibley County	35%	5%	3%	8%	43%
Stearns County	36%	5%	0%	5%	41%
Steele County	59%	5%	3%	8%	67%
Stevens County	22%	5%	3%	8%	30%
Swift County	29%	5%	3%	8%	37%
Todd County	57%	5%	3%	8%	65%
Traverse County	19%	5%	3%	8%	27%
Wabasha County	24%	5%	3%	8%	32%
Wadena County	20%	5%	0%	5%	25%
Waseca County	75%	5%	0%	5%	80%
Washington County	37%	5%	3%	8%	45%
Watonwan County	27%	3%	0%	3%	30%
Western LSSD	34%	5%	0%	5%	39%
Wilkin County	17%	5%	0%	5%	22%
Winona County	41%	5%	3%	8%	49%
Wright County	33%	5%	3%	8%	41%
Yellow Medicine County	23%	0%	3%	3%	26%
Minnesota	39%			6%	45%
Metropolitan Area	42%			8%	50%
Greater Minnesota	34%			5%	39%