

The attached document is published by Chippewa County Land Conservation and Forest Management. It is the 2017 Chippewa County Recycling Program Annual Report.

The Town of Wheaton, along with the rest of the Chippewa County municipalities take an active part in encouraging residents to recycle.

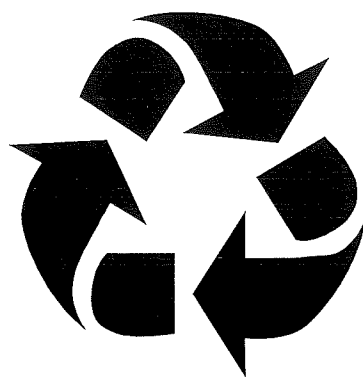
The report explains the responsibilities of Chippewa County and cooperating municipalities under the current recycling agreement. The report also summarizes current activities and program accomplishments.

If you have any questions or concerns, please call the Land Conservation and Forest Management office at 715-726-7999.

You can also find lots of information on their website at <http://www.co.chippewa.wi.us/government/land-conservation-forest-management>

Thank you.

2017 ANNUAL REPORT OF RECYCLING ACTIVITIES
CONDUCTED BY MUNICIPALITIES IN
CHIPPEWA COUNTY



*This report was prepared for Chippewa County Municipalities and the Chippewa
County Board of Supervisors*

by

*Chippewa County Department of Land Conservation and Forest Management
-Recycling Division-*

April, 2018

2017 MUNICIPAL AUTHORITIES

Cities/Villages

City of Bloomer	Jeffrey Steinmetz	568-5485
City of Cornell	Judy Talbot	239-3710
City of Stanley	Mike Henke	644-8079
City of Chippewa Falls	Greg Hoffman	726-2734
Village of Boyd	Randy Setzer	667-5104
Village of Cadott	Anson Albarado	289-4511
Village of Lake Hallie	Wayne Walkowiak	944-4211
Village of New Auburn	Donna Bischel	237-3299

Towns

Town of Anson	Gary Lazarz	382-4397
Town of Arthur	Lori Prokupek	289-4466
Town of Auburn	Paul Scheidecker	568-5073
Town of Birch Creek	Ronnie Arts	595-4882
Town of Bloomer	Gary Nehring	568-4899
Town of Cleveland	Michael Beighley	530-0769
Town of Colburn	Brad Hompe	644-5712

Town of Cooks Valley	Darrel Fehr	568-5012
Town of Delmar	Dave Peterson	703-3314
Town of Eagle Point	Dennis Ferstenou	720-1226
Town of Edson	Donald Schesel	644-4943
Town of Estella	Ray Carothers	577-7452
Town of Goetz	Paul Helminski	313-3284
Town of Hallie	Larry Marquardt	723-6544
Town of Howard	Vern Schindler	874-5229
Town of Lafayette	Dave Staber	215-0461
Town of L. Holcombe	Monte(Beau) Bowlin	595-4211
Town of Ruby	Rob Winchel	452-5865
Town of Sampson	Chuck Richardson	764-1123
Town of Sigel	Lennis Ramseier	289-4884
Town of Tilden	Daniel Adams	577-9568
Town of Wheaton	Mark Blaskowski	874-4969
Town of Woodmohr	Jerry Johnson	568-4344

COUNTY AUTHORITIES

Chippewa County Land Conservation and Forest Management Committee

Dean Gullickson, Chair	720-0810	Jared Zwiefelhofer	559-8991
Harold Steele	312-0361	Glen Sikorski	289-4825
Larry Willkom	723-5804	James Pingel, FSA Representative	237-2494

Recycling Program

Recycling Coordinator – Renee Yohnk
Administrative Assistant II – Karen Konz

*Helping people in Chippewa County
Reduce, Reuse, and Recycle*

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2017 ANNUAL REPORT

CHIPPEWA COUNTY RECYCLING PROGRAM

I. INTRODUCTION AND BACKGROUND

A. BACKGROUND

Wis. Stat. ch. 287 encourages waste reduction and recycling in the state by requiring that certain items be recycled. This law assigns responsibilities for recycling to municipalities and provides grant assistance to support local recycling programs.

To fulfill this requirement, 28 of 31 Chippewa County municipalities participate in an intergovernmental agreement establishing a framework for the local recycling program in Chippewa County.

To establish this framework, Chippewa County adopted Resolution #38-91 on May 14, 1991. This resolution designates the County as the responsible unit and sets the roles and responsibilities for the County and municipalities.

B. PURPOSE OF REPORT

The purpose of this report is to:

- Explain responsibilities of the County and municipalities under the current recycling agreement.
- Summarize the recycling activities in the County as accomplished by the municipalities.
- Summarize recycling efforts, new initiatives and updates of the County recycling staff.

C. ROLES AND RESPONSIBILITIES

Under the Recycling Responsibility Agreement;

The duties of the Municipality are to:

- Individually, (or in association with other local municipalities and/or private vendors), develop and maintain a recycling collection system satisfying effective recycling criteria.
- Arrange for recyclable transport to processors and/or end markets.
- Pay delivery costs for recyclable materials from their municipality through appropriations, grants and other means implemented through local budgeting procedures.
- Maintain financial records for the recycling activities per municipality.

The duties of the County are to:

- Adopt a resolution pursuant to Wis. Stat. § 287.09(1) designating the County as the “Responsible Unit” for Chippewa County municipalities executing this agreement.
- Develop programs to insure eligibility and apply for grants in compliance with Wisconsin recycling laws.
- Initiate recycling education programs throughout Chippewa County.
- In cooperation with local units of government, adopt and enforce ordinances (Chippewa County Responsible Unit Recycling Ordinance, Chapter 62) to assure compliance with the provisions of Wis. Stat. ch. 287.
- Distribute to the Chippewa County municipalities a proportionate share of state grants received pursuant to Wis. Stat. ch. 287.

II. OVERVIEW OF MUNICIPAL RECYCLING PROGRAMS AND ACTIVITIES

All Chippewa County municipalities have developed and now manage a recycling collection program. Each municipality arranges for and pays to transport their municipalities’ recyclables to processors. These costs are paid through tax levy appropriations, grants and other fees implemented through local budgeting procedures.

The municipalities have either developed a drop-off program at a local recycling center or have negotiated contracts with haulers to provide a curbside recycling program.

A. TYPE OF MUNICIPAL RECYCLING PROGRAMS

The drop-off programs consist of a site selected by the municipality. Residents of the municipality haul their recyclables to the drop-off center on the designated days and hours. The municipality contracts for service with a recycling hauler to pick up the dumpsters of recyclables at their recycling center or the municipality hauls the recyclables to a recycling company.

The curbside recycling program provides recycling service to the residents of the municipality at their residence. The municipality contracts with a recycling hauler to pick up recyclables at each residence. The hauler usually provides the residents with an 18-gallon recycling bin or a 95-gallon recycling cart to place the recyclables in.

Table 1, titled "Type of Municipal Recycling Program" shows the type of recycling program for each municipality and the associated recycling hauler. The Bloomer Area includes the City of Bloomer, Town of Bloomer, Town of Auburn, Town of Sampson, and the Town of Woodmohr. The Hallie Area includes the Village of Lake Hallie and the Town of Hallie.

Municipality	Curbside Program	Drop-off Program	Independent RU's
Anson	Express Disposal		
Arthur		Express Disposal	
Birch Creek		Waste Management	
Bloomer Area		Markets recyclables	
Boyd	Waste Management		
Cadott	Advanced Disposal		
Chippewa Falls	Pro Vyro		
Cleveland		Express Disposal	
Colburn		Express Disposal	
Cooks Valley		Waste Management	
Cornell			Waste Management
Delmar			Waste Management
Eagle Point		Waste Management	
Edson		Express Disposal	
Estella		Express Disposal	
Goetz		Express Disposal	
Hallie Area		Waste Management	
Howard		Waste Management	
Lafayette		Waste Management	
Lake Holcombe		Express Disposal	
New Auburn			Waste Management
Ruby		Express Disposal	
Sigel		Express Disposal	
Stanley	Express Disposal		
Tilden		Advanced Disposal	
Wheaton		Advanced Disposal	
Total	5	18	3

B. RECYCLING TONNAGE

As a part of its recycling program, each municipality obtains and monitors tonnage reports from their recycling haulers. While specific weights are determined for total tonnage, often formulas are used to attribute these weights across the recyclable categories. Periodically collection contents are analyzed and reasonable formulas are established that are applied to all actual future weights collected.

Table 2, titled “Chippewa County Recycling Tonnage by Type 2007-2017,” shows the tons of recyclable material as reported by contracted recycling haulers during the calendar years 2007-2017 for the Chippewa County Responsible Unit.

Table 2 - Chippewa County Recycling Tonnage by Type 2007-2017

MATERIAL	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Glass	499	522	410	528	588	743	757	745	806	588	596
Plastic	210	200	181	203	186	207	211	248	229	107	99
Newspaper	273	348	408	391	345	315	331	366	430	133	100
Tin/Steel	120	146	120	131	146	170	186	185	200	131	134
Aluminum	23	27	18	29	28	39	42	52	54	38	35
Cardboard	795	604	511	424	440	455	481	511	514	289	269
Magazines	147	140	188	240	173	149	161	140	124	53	40
Office Paper	117	114	169	139	144	195	197	165	200	176	145
All Container	190	255	423	795	181					0	0
All Paper	736	741	774	392	531	401	337	336	388	359	377
All					674	677	661	662	612	1715	1796
Total	3110	3097	3202	3272	3436	3351	3364	3466	3557	3589	3591

Chippewa County compiles the total tonnage of recyclables collected in order to meet the minimum standards that must be met according to NR544 Effective Recycling Programs.

In 2017, Chippewa County met the standards of NR544 requiring a minimum of 93.32 pounds per person. Chippewa County collected 121.07 pounds per person. Chippewa County continues to achieve approximately 130% of the required minimum level per person.



Figure 1, titled “Tonnage Percentages Recycled by Type,” shows the percentage of recyclables collected by type. Single sort, tracked since 2011 at 17-20% shot up to 48% in 2016 and then to 50% in 2017 of the total tonnage recycled by Chippewa County residents. Single sort is followed by 18% and 17% respectively for paper and glass.

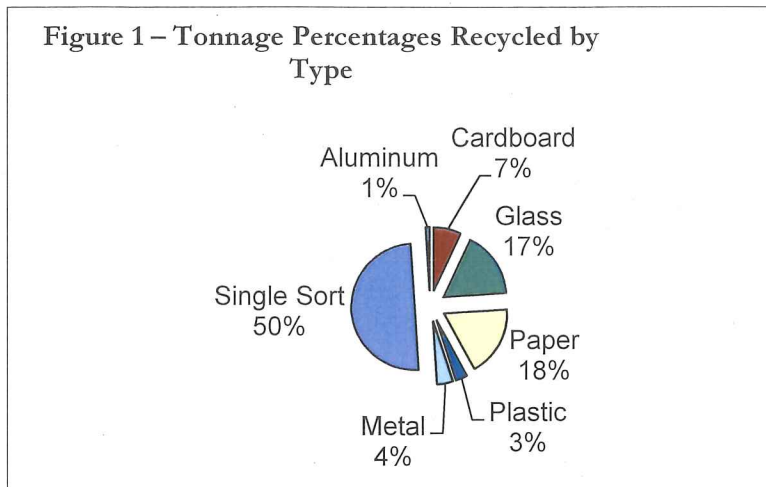
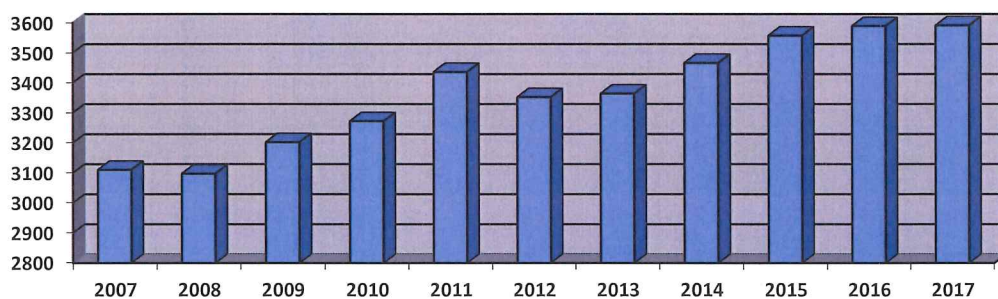


Figure 2, titled “Chippewa County Recycling Tonnage from 2007-2017,” shows the total tons of recyclables collected from 2007-2017.

Figure 2 – Chippewa County Recycling Tonnage from 2007-2017



The next three pages include the following documents.

Table 3, titled “Recycling Tonnages per Municipality for 2017” indicates the tonnages of recyclable items for each municipality for 2017.

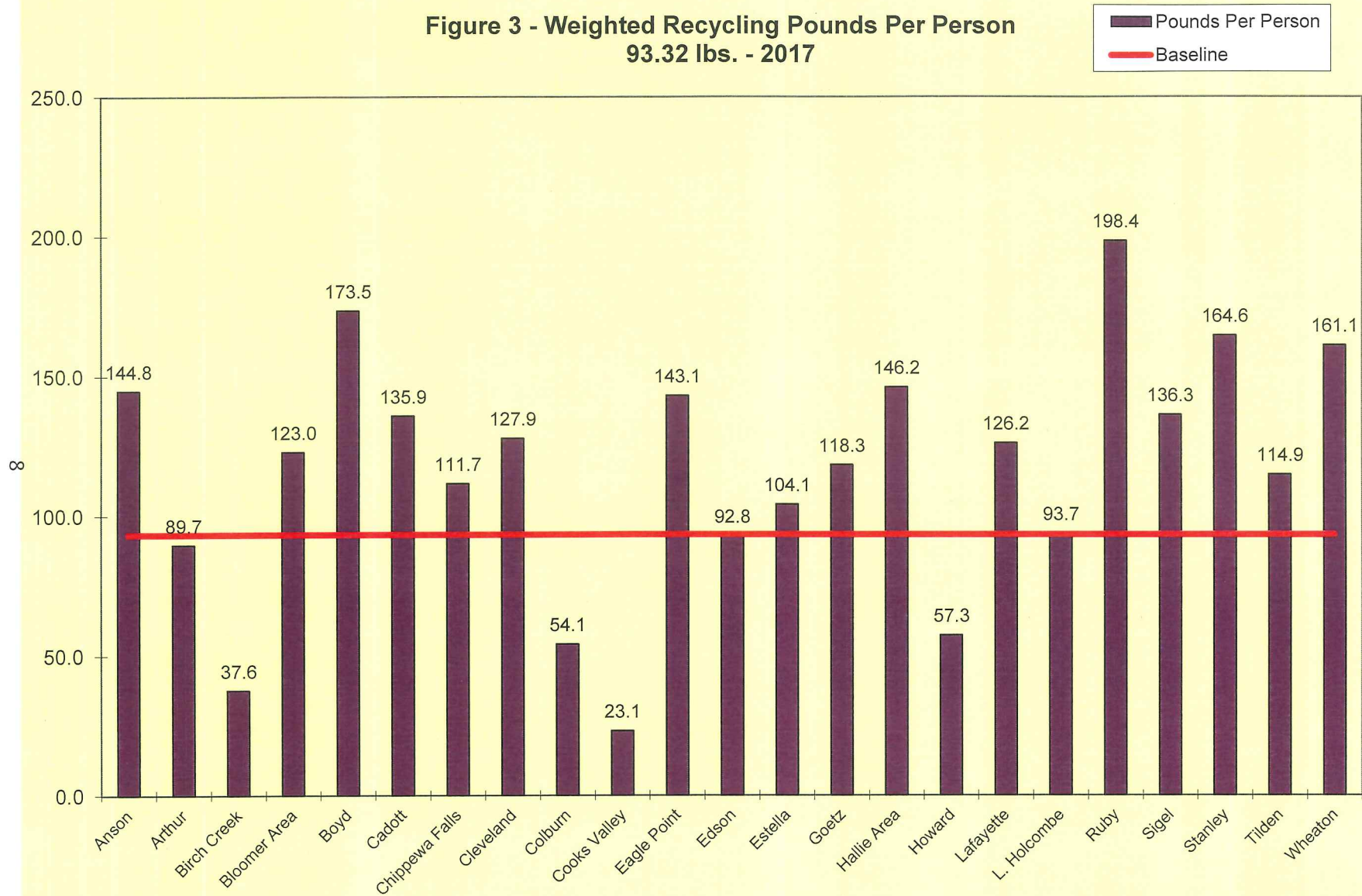
Figure 3, titled “Weighted Recycling Pounds per Person” shows the baseline pounds per person and each municipality’s pounds per person as required by state statute.

Table 3 - Recycling Tonnages per Municipality for 2017

	Curb/Drop	Cardboard	Newspaper	Mixed Paper	Magazines	Aluminum	Tin	Plastic	Glass	All Containers	All Paper	ALL	Total Pounds	Total Tons
Anson - Express	Curbside	50830	25415	17884		6588	28553	19767	164726				313763	156.9
Anson - Tambornino	Curbside											2867	2867	1.4
Arthur - Express	Dropoff	11080	5540	3899		1436	6225	4310	35909				68399	34.2
Arthur - WM	Curbside											992	992	0.5
Bloomer - WM	Curbside											10787	10787	5.4
Bloomer Area - City	Dropoff	300000	101360	40748	79589	8680	78930	67558	165560				842425	421.2
Birch Creek - WM	Dropoff											19140	19140	9.6
Birch Creek - WM	Curbside											372	372	0.2
Boyd - WM	Curbside											95471	95471	47.7
Cadott - Advanced Disposal	Curbside					3371	6941	6941	40061		141006		198320	99.2
Chippewa Falls - ProVyro	Curbside											1563940	1563940	782.0
Cleveland - Express	Dropoff					2771	12010	8316	69290				92387	46.2
Cleveland - Mulehide				16285									16285	8.1
Cleveland - WM	Curbside											3348	3348	1.7
Colburn - Express	Dropoff	7764	3883	2729		1006	4361	3019	25167				47929	24.0
Colburn - WM	Curbside											372	372	0.2
Cooks Valley - WM	Dropoff											15460	15460	7.7
Cooks Valley - WM	Curbside											3844	3844	1.9
Eagle Point - WM	Dropoff											57400	57400	28.7
Eagle Point - WM	Curbside											398125	398125	199.1
Edson - Express	Dropoff	16202	8101	5702		2098	9102	6302	52514				100021	50.0
Estella -Express	Dropoff					928	4022	2785	23206				30941	15.5
Estella - Mulehide											14000		14000	7.0
Estella - WM	Curbside											372	372	0.2
Goetz - Express	Dropoff	14416	7209	5073		1868	8099	5608	46722				88995	44.5
Goetz - WM	Curbside											5455	5455	2.7
Hallie - WM	Dropoff											165300	165300	82.7
Hallie - Advanced Disposal	Curbside					2538	5226	5226	30163		106167		149320	74.7
Hallie - (Town) Tamb.	Curbside											871	871	0.4
Hallie - (Village) Tamb.	Curbside	16515		66042		5505	11010	2743	35774				137589	68.8
Hallie - (Town) WM	Curbside											2852	2852	1.4
Hallie - (Village) WM	Curbside											231486	231486	115.7
Hallie - Town/Village records	Dropoff					663							663	0.3
Hallie - ProVyro	Curbside											171600	171600	85.8
Hallie - (Village) Boxx	Curbside											184546	184546	92.3
Howard - WM	Curbside											16986	16986	8.5
Howard - WM	Dropoff											28700	28700	14.4
Lafayette - (Town) Boxx	Curbside											8176	8176	4.1
Lafayette - WM	Dropoff											30920	30920	15.5
Lafayette - Commerical	Dropoff										14000		14000	7.0
Lafayette - Tamb.	Curbside	24576		98304		8185	16391	4103	53255				204814	102.4

Lafayette - Advanced Disposal	Curbside					3597	7406	7406	42743		150448		211600	105.8
Lafayette - WM	Curbside											190322	190322	95.2
Lafayette - Express	Curbside	4085	2042	1438		530	2297	1587	13244				25223	12.6
Lafayette - ProVyro	Curbside											76400	76400	38.2
L. Holcombe - Mulehide											8180		8180	4.1
L. Holcombe - Express	Curbside	10544	5271	3708		1365	5923	4100	34172				65083	32.5
L. Holcombe -	Dropoff											24544	24544	12.3
Ruby - Express	Dropoff	15900	7950	5595		2060	8932	6184	51531				98152	49.1
Sigel - Express	Dropoff	22807	11405	8024		2957	12811	8871	73916				140791	70.4
Sigel - WM	Curbside											1984	1984	1.0
Sampson - WM	Curbside											992	992	0.5
Stanley - Express	Curbside	44150	22074	15533		5723	24798	17168	143076				272522	136.3
Stanley - WM	Curbside											67945	67945	34.0
Tilden - WM	Curbside											66830	66830	33.4
Tilden - Advanced Disposal	Dropoff					1819	3745	3745	21614		76077		107000	53.5
Wheaton - Advanced Disposal	Dropoff					5815	11973	11973	69100		243219		342080	171.0
Wheaton - Town Records						920							920	0.5
Wheaton - WM	Curbside											102662	102662	51.3
Wheaton - Boxx	Curbside											1752	1752	0.9
Woodmohr	Curbside											38684	38684	19.3
Total		538869	200250	290964	79589	70423	268755	197712	1191743	0	753097	3591497	7182899	3591.4

Figure 3 - Weighted Recycling Pounds Per Person
93.32 lbs. - 2017



C. RECYCLING COST BREAKDOWN

Each municipality maintains recycling expense records. Expenses for all 28 municipalities are reviewed to verify that grant dollars are spent on eligible recycling expenditures.

Per person recycling costs are generally higher for municipalities offering the convenience of curbside pickup. The greatest curbside recycling expenditure is services purchased from recycling haulers. Municipalities that provide a drop-off recycling center have added expenses of salaries/wages and depreciation.

The next seven pages contain the following information:

Table 4, titled “Breakdown of Costs per Municipality,” documents each line item expenditure for each municipality.

Figure 4, titled “Total Costs for Recycling as Incurred by Municipality in 2017,” shows the total recycling costs for each municipality compared to the other municipalities in the Chippewa County Responsible Unit.

Figure 5, titled “Per Person Recycling Costs as Incurred by Municipality in 2017,” shows the cost per person for recycling compared to the other municipalities in the Chippewa County Responsible Unit.

Figure 6, titled “Recycling Cost Per Ton Per Municipality in 2017,” shows the cost per ton for recycling compared to the other municipalities in the Chippewa County Responsible Unit.

Table 4 -Breakdown of Costs per Municipality - 2017

Municipal recycling programs in County RU		Anson	Arthur	Birch Creek	Bloomer Area	Boyd	Cadott	Chippewa Falls
1	Salaries/Wages	354	583		73,618	800		33,223
2	Consulting and Prof Svc							9,535
3	Utility Services				7,459			
4	Purch. Repairs and Maint.							
5	Purch. Services -Print & Adv						165	
6	Purch.Services-Other	6,831	949	2,621	2,975	10,200	16,212	231,421
7	Office Supplies				224	400		1,074
8	Subscriptions and Dues							
9	Employee Travel and Training							
10	Operating Supplies			687	572			
11	Repair and Maint. Supplies				1,796			
12	Insurance				1,380			
13	Rents and Leases							
14	Depreciation				3,678			
15	Hourly Equipment Use Chgs	574			18,088		479	13,865
16	Cost Allocations							221
17	Other	38			190			
18	TOTAL COSTS	7,797	1,532	3,308	109,980	11,400	16,856	289,339
19	Subtract: Inelig. Costs							
20	ELIGIBLE EXPENSES	7,797	1,532	3,308	109,980	11,400	16,856	289,339
	Subtract: Deductible Revenues							
	Revenues from sale of recyclables				16,567			
	Other deduct. revenue							
	Total deductible revenues	0	0	0	16,567	0	0	0
	NET ELIGIBLE COSTS	7,797	1,532	3,308	93,413	11,400	16,856	289,339
	Cost of Yard Waste included above	3,328			25,747	800	644	
	Cost of Recycling ONLY	4,469	1,532	3,308	67,666	10,600	16,212	289,339
	Tons of Recyclables	158.3	34.7	9.8	446.4	47.7	99.2	782.0
	Cost per ton	\$28.23	\$44.15	\$337.55	\$151.58	\$222.22	\$163.43	\$370.00
	lbs. per cap.	144.8	89.7	37.6	123.0	173.5	135.9	111.7
	Type of Recycling Program	CURBSIDE	DROP-OFF	DROP-OFF	DROP-OFF	CURBSIDE	CURBSIDE	CURBSIDE
	Cost per person (Yard Waste)	\$1.52	\$0.00	\$0.00	\$3.55	\$1.45	\$0.44	\$0.00
	Cost per person (Recycling)	\$2.04	\$1.98	\$6.35	\$9.32	\$19.27	\$11.10	\$20.66
	Cost per person (Total)	\$3.57	\$1.98	\$6.35	\$12.87	\$20.73	\$11.55	\$20.66
	Population	2,186	774	521	7,260	550	1,460	14,002

Table 4 -Breakdown of Costs

Municipal recycling programs in County RU		Cleveland	Colburn	Cooks Valley	Eagle Point	Edson	Estella	Goetz
1	Salaries/Wages	3,055	984	1,546	1,616	1,291	3,023	1,286
2	Consulting and Prof Svc							
3	Utility Services	500		827		100		
4	Purch. Repairs and Maint.			540				
5	Purch. Services -Print & Adv	30		25		50		
6	Purch.Services-Other	2,260	3,535	3,484		2,619	729	1,300
7	Office Supplies							
8	Subscriptions and Dues							
9	Employee Travel and Training							
10	Operating Supplies	1,688	345					200
11	Repair and Maint. Supplies	100						100
12	Insurance	850	660	2,387	1,500	365	989	400
13	Rents and Leases							
14	Depreciation	718	332	292		179		
15	Hourly Equipment Use Chgs	521			3,983	259		
16	Cost Allocations	52			165	130		
17	Other				20			
18	TOTAL COSTS	9,774	5,856	9,101	7,284	4,993	4,741	3,286
19	Subtract: Inelig. Costs							
20	ELIGIBLE EXPENSES	9,774	5,856	9,101	7,284	4,993	4,741	3,286
	Subtract: Deductible Revenues							
	Revenues from sale of recyclables			453				
	Other deduct. revenue							
	Total deductible revenues	0	0	453	0	0	0	0
	NET ELIGIBLE COSTS	9,774	5,856	8,648	7,284	4,993	4,741	3,286
	Cost of Yard Waste included above				2,854			
	Cost of Recycling ONLY	9,774	5,856	8,648	4,430	4,993	4,741	3,286
	Tons of Recyclables	56.0	24.2	9.6	227.8	50.0	22.7	47.2
	Cost per ton	\$174.54	\$241.98	\$900.83	\$19.45	\$99.86	\$208.85	\$69.62
	lbs. per cap.	127.9	54.1	23.1	143.1	92.8	104.1	118.3
	Type of Recycling Program	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF
	Cost per person (Yard Waste)	\$0.00	\$0.00	\$0.00	\$0.90	\$0.00	\$0.00	\$0.00
	Cost per person (Recycling)	\$11.16	\$6.55	\$10.42	\$1.39	\$4.63	\$10.87	\$4.12
	Cost per person (Total)	\$11.16	\$6.55	\$10.42	\$2.29	\$4.63	\$10.87	\$4.12
	Population	876	894	830	3,183	1,078	436	798

Table 4 -Breakdown of Costs

Municipal recycling programs in County RU		Hallie Area	Howard	Lafayette	L. Holcombe	Ruby	Sigel	Stanley
1	Salaries/Wages	8,289	935	7,911	1,791	2,857	3,063	4,159
2	Consulting and Prof Svc							
3	Utility Services	1,023		324				
4	Purch. Repairs and Maint.							
5	Purch. Services -Print & Adv			250			48	
6	Purch.Services-Other	3,887	2,192	7,203	2,419	2,273	1,354	23,424
7	Office Supplies							
8	Subscriptions and Dues							
9	Employee Travel and Training							
10	Operating Supplies			2,879		317		146
11	Repair and Maint. Supplies	722		148				754
12	Insurance		250	250		25		
13	Rents and Leases							
14	Depreciation	96		346		200	259	
15	Hourly Equipment Use Chgs	3,885		1,514	177			5,755
16	Cost Allocations	590		147			60	176
17	Other		115					
18	TOTAL COSTS	18,492	3,492	20,972	4,387	5,672	4,784	34,414
19	Subtract: Inelig. Costs							
20	ELIGIBLE EXPENSES	18,492	3,492	20,972	4,387	5,672	4,784	34,414
	Subtract: Deductible Revenues							
	Revenues from sale of recyclables	345	200	851				
	Other deduct. revenue							
	Total deductible revenues	345	200	851	0	0	0	0
	NET ELIGIBLE COSTS	18,147	3,292	20,121	4,387	5,672	4,784	34,414
	Cost of Yard Waste included above			1,102				10,990
	Cost of Recycling ONLY	18,147	3,292	19,019	4,387	5,672	4,784	23,424
	Tons of Recyclables	522.1	22.9	380.8	48.9	49.1	71.4	170.3
	Cost per ton	\$34.76	\$143.76	\$49.94	\$89.71	\$115.52	\$67.00	\$137.55
	lbs. per cap.	146.2	57.3	126.2	93.7	198.4	136.3	164.6
	Type of Recycling Program	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	DROP-OFF	CURBSIDE
	Cost per person (Yard Waste)	\$0.00	\$0.00	\$0.18	\$0.00	\$0.00	\$0.00	\$5.31
	Cost per person (Recycling)	\$2.54	\$4.12	\$3.15	\$4.20	\$11.46	\$4.56	\$11.32
	Cost per person (Total)	\$2.54	\$4.12	\$3.33	\$4.20	\$11.46	\$4.56	\$16.63
	Population	7,143	800	6,037	1,044	495	1,048	3,622

Table 4 -Breakdown of Costs

Municipal recycling programs in County RU					Tilden	Wheaton	County Office	TOTAL
1	Salaries/Wages		3,720		6,317		40,029	200,450
2	Consulting and Prof Svc							9,535
3	Utility Services		135		895		138	11,401
4	Purch. Repairs and Maint.							540
5	Purch. Services -Print & Adv						5,087	5,655
6	Purch.Services-Other		1,171		5,264		11,442	345,765
7	Office Supplies		5				5,511	7,214
8	Subscriptions and Dues						365	365
9	Employee Travel and Training		88				64	152
10	Operating Supplies				837		15,565	23,236
11	Repair and Maint. Supplies				35			3,655
12	Insurance		337					9,393
13	Rents and Leases							0
14	Depreciation				2,023			8,123
15	Hourly Equipment Use Chgs							49,100
16	Cost Allocations						12,357	13,898
17	Other							363
18	TOTAL COSTS		5,456		15,371		90,558	688,845
19	Subtract: Inelig. Costs							0
20	ELIGIBLE EXPENSES		5,456		15,371		90,558	688,845
	Subtract: Deductible Revenues							0
	Revenues from sale of recyclables		200		460			19,076
	Other deduct. revenue							0
	Total deductible revenues		200		460		0	19,076
	NET ELIGIBLE COSTS		5,256		14,911		90,558	669,769
	Cost of Yard Waste included above							45,465
	Cost of Recycling ONLY		5,256		14,911		90,558	624,304
	Tons of Recyclables		86.9		223.7			3,591.7
	Cost per ton		\$60.48		\$66.66			\$173.82
	lbs. per cap.		114.9		161.1			121.1
	Type of Recycling Program		DROP-OFF		DROP-OFF			
	Cost per person (Yard Waste)		\$0.00		\$0.00			\$0.77
	Cost per person (Recycling)		\$3.47		\$5.37			\$10.52
	Cost per person (Total)		\$3.47		\$5.37			\$11.29
	Population		1,513		2,778			59,328

Figure 4 - Total Costs for Recycling as Incurred by Municipality in 2017

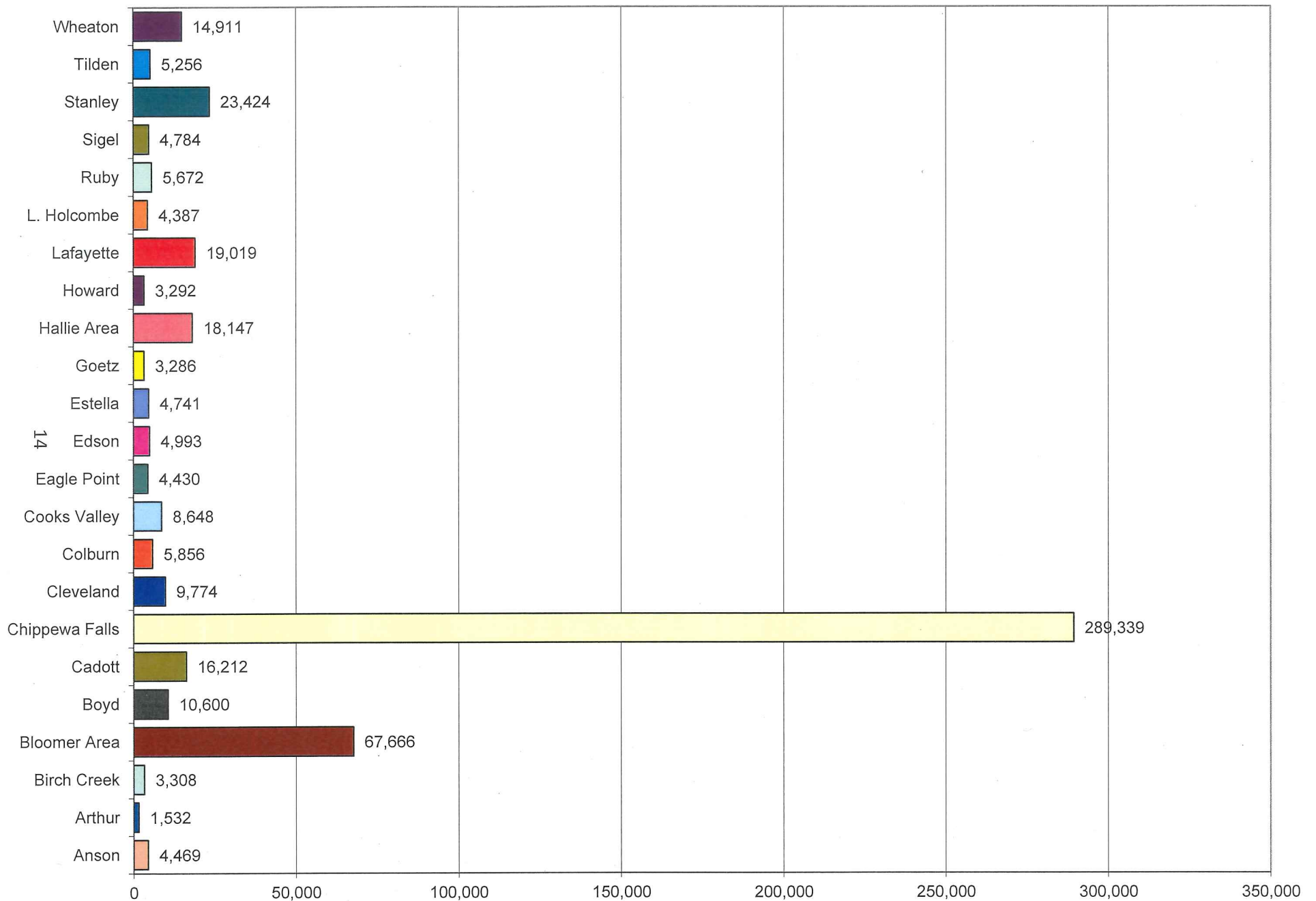


Figure 5 - Per Person Recycling Costs as Incurred by Municipality in 2017

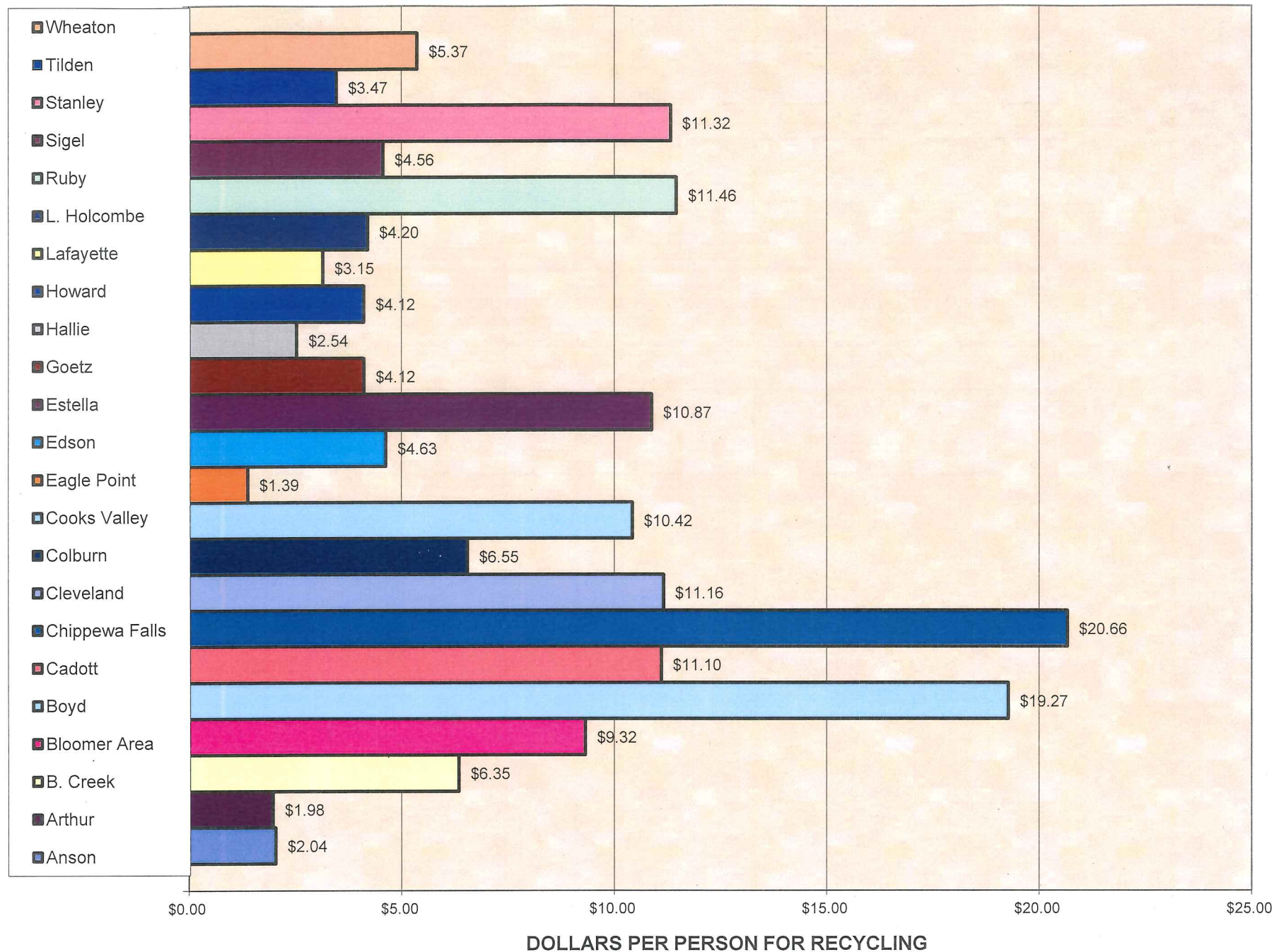
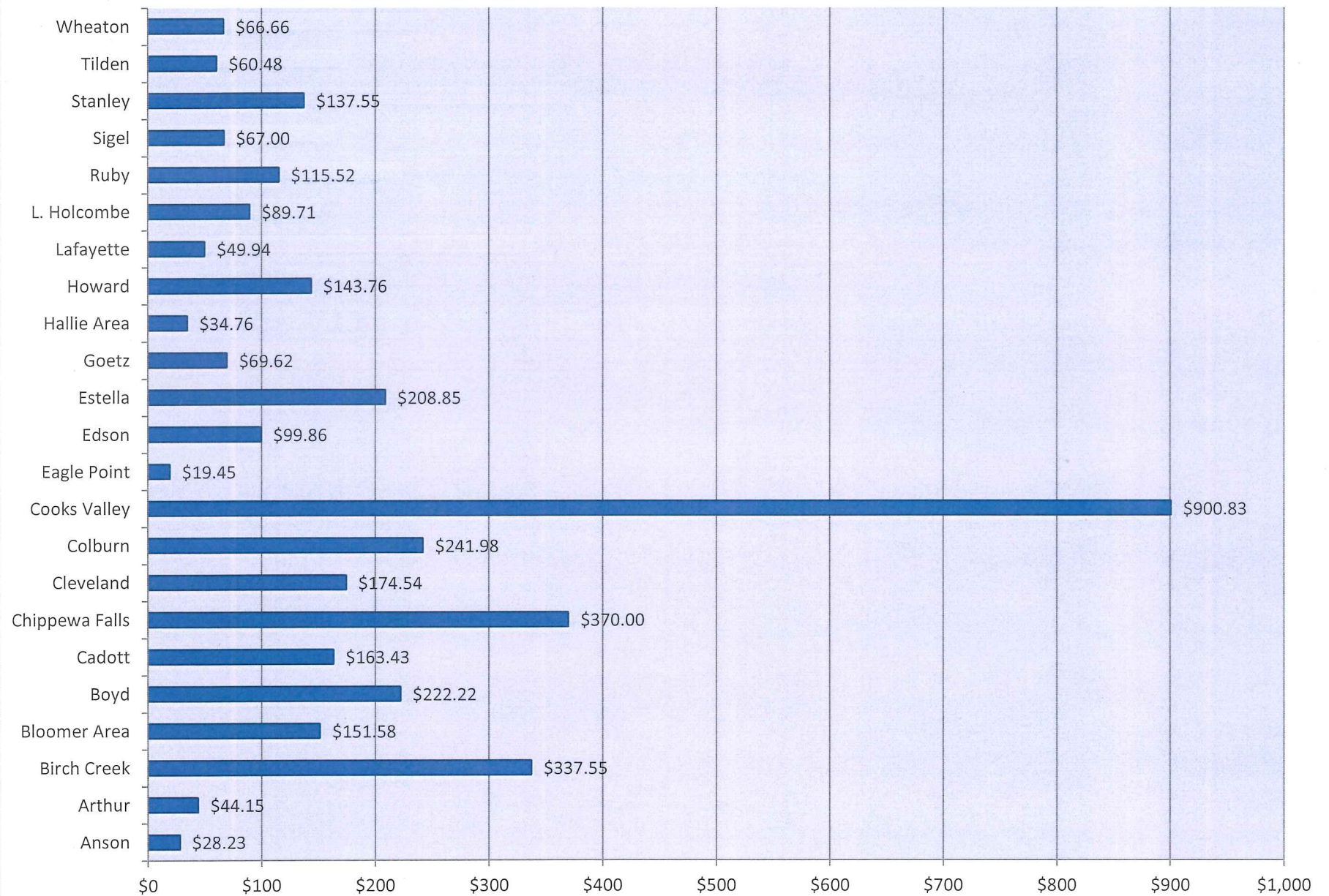


Figure 6 - Recycling Cost Per Ton Per Municipality in 2017



D. MATERIALS RECOVERY FACILITY (MRF) STUDY

State recycling grant cuts coupled with tax levy caps have reduced County and municipal recycling program funding sources. Costs to municipalities and landowners are expected to continue to rise.

The Chippewa County Responsible Unit (RU), through the Recycling Division of the Chippewa County Land Conservation and Forest Management Department, commissioned a 2012 study to identify possible efficiencies in municipal recycling programs.

Goals were:

- 1.) Evaluate Chippewa County's current recycling collection efficiency.
- 2.) Identify possible adjustments to control municipal recycling costs.
- 3.) Provide baseline information that document recyclable:
 - a. Material value;
 - b. Material volume; and
 - c. Management consolidation options to market to a Material Recovery Facility.

Key findings:

- The County RU should:
 - 1.) Promote transition to single stream recycling for curbside collection programs.
 - 2.) Transport materials to a Material Recovery Facility (MRF), process and separate for the recycling market. Recyclable material will increase while garbage volume will decrease.
- Study confirmed recyclable materials have market value. A public cost savings will result if municipalities work together to consolidate municipal household recyclables.
- County RU should consider contractual agreements with each participating municipality, a transfer station operator, and a selected MRF for processing and revenue sharing.
- Possibly greater efficiency and cost savings combining residential recycling and waste collection services. Move toward a volume based garbage fee system.

Based on these findings the Recycling Division evaluated joint contracting feasibility arrangements for recycling and/or waste management services. A 2015 RFI and RFP sought to identify more cost effective and efficient service delivery options available from the private sector for Chippewa County in the following six areas; the Villages of Boyd and Cadott, the Towns of Lafayette and Eagle Point, and the Cities of Stanley and Chippewa Falls.

Of these six municipalities, the City of Chippewa Falls moved forward with a contract with an every other week recycling program serviced by ProVyro. The recycling hauler provided residents with a 95-gallon cart on wheels prior to the contract starting in 2016.

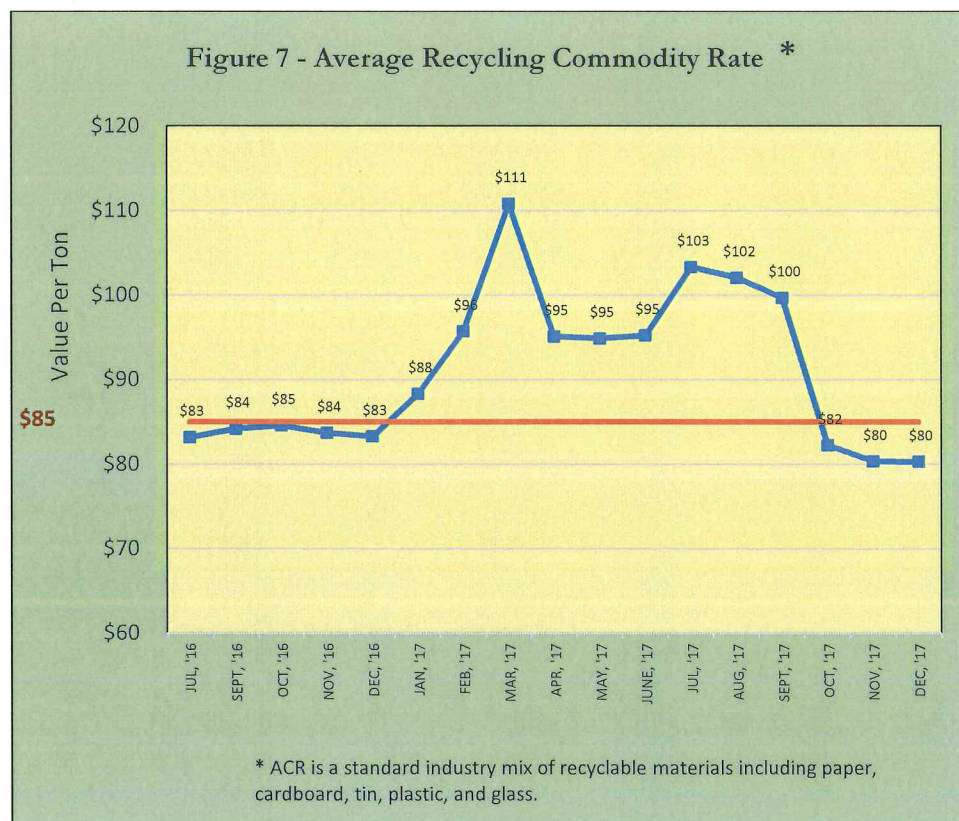
E. HOUSEHOLD RECYCLING REVENUE SHARING PROGRAM

Along with the City of Chippewa Falls' Recycling Program switch to a bi-weekly, single stream collection using 95-gallon recycling carts, the acceptable items list was expanded to include a variety of plastics, scrap metal, and small household appliances. The city goal is to increase recyclable material tonnage and start earning a revenue share when the Average Commodity Rate (ACR) surpasses \$85/ton. A 2016 online survey with 239 Chippewa Falls' residents responding revealed that 86% were satisfied with the new service and 84% were satisfied with the new carts.

During 2016, City and County officials toured the complete Chippewa Falls system. ProVyro demonstrated the automated recycling truck using the 95-gallon recycling carts at the point of collection. Officials visited Express Disposal's Transfer Station to view where recyclable materials are consolidated for transfer to the Materials Recovery Facility (MRF) in Eagle River.

The City of Chippewa Falls received a total of \$6,119.56 for January through September, 2017. In October, 2017, the ACR fell below \$85/ton which resulted in the suspension of the revenue share for the city for the remainder of 2017.

Figure 7 titled "Average Recycling Commodity Rate," shows the dollar amount per ton for a standard industry mix of recyclable materials including paper, cardboard, tin, plastic and glass per month for half of 2016 and all of 2017.



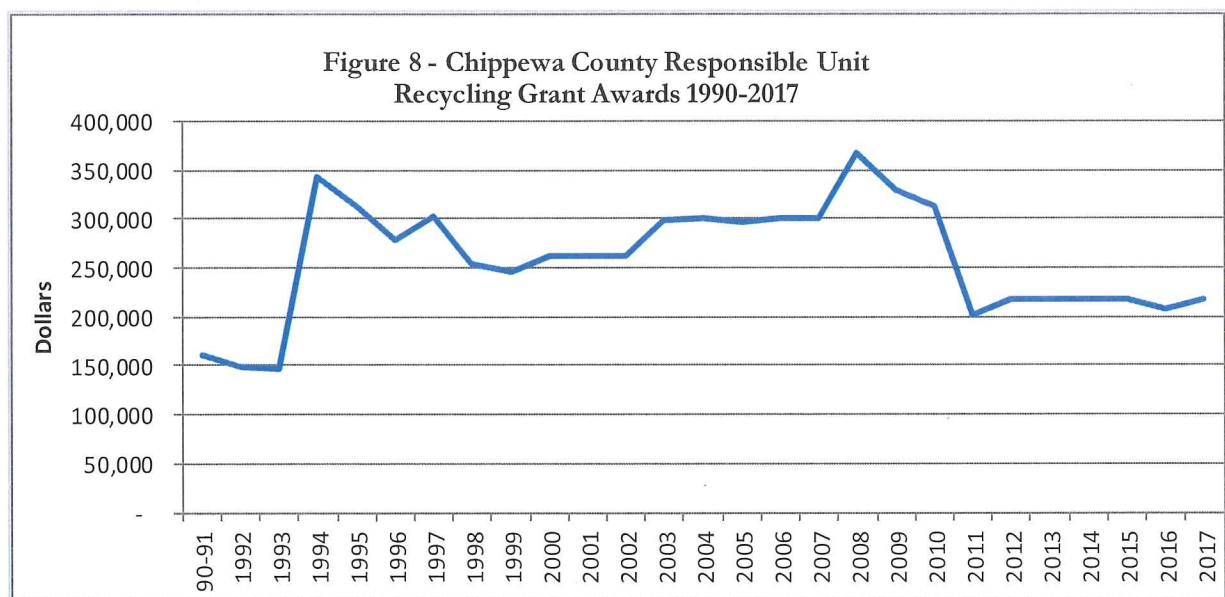
III. OVERVIEW OF COUNTY RECYCLING PROGRAMS AND ACTIVITIES

Under the Recycling Responsibility Agreement the County must develop programs to insure eligibility and apply for grants in compliance with Wisconsin recycling laws, initiate recycling education programs, and adopt and enforce an ordinance to assure compliance with the provisions of Wis. Stat. ch. 287.

A. COORDINATION AND ADMINISTRATION OF RECYCLING PROGRAM GRANTS

The Chippewa County Recycling Program receives recycling grants to offset the costs for the recycling programs within the municipalities. The grants are distributed to the towns, cities, and villages based on a per capita formula. The 2017 grant award for Chippewa County was \$217,966.20.

Figure 8, titled “Chippewa County Responsible Unit Recycling Grant Awards 1990-2017” shows the total grant award for the Chippewa County Responsible Unit from 1990-2017.



1. INTERGOVERNMENTAL AGREEMENT WITH THE CITY OF CHIPPEWA FALLS

Since 1997, the Chippewa County Recycling Program and the City of Chippewa Falls have participated in the 66.30 Intergovernmental Agreement. This agreement provides that the County administer the City's recycling program. The Recycling Coordinator handles daily phone calls, complaints, brochure designs, bin distribution, and other requests for the City of Chippewa Falls. The Recycling Coordinator reports to Committee #4 – Recycling.

B. INFORMATION AND EDUCATION PROGRAM

The Chippewa County Recycling Program provides a comprehensive recycling information and education program that includes a youth and business component.

1. GENERAL PUBLIC INFORMATION AND OUTREACH

During 2017, the Chippewa County Recycling Program:

- Designed and mailed a countywide recycling brochure to Chippewa County residents. The brochure covers who must recycle, where to recycle, what to recycle and how to recycle. Recycling brochures were also prepared, printed and mailed for member municipalities as needed. Recycling posters announcing the special recycling events were printed and posted in various locations in Chippewa County.
- Designed recycling center facility signs that identify the location and hours of operation for recycling drop-off centers.
- Sent news releases to area newspapers regarding various topics throughout the year.
- Continued to implement the use of the recycling logo that helps identify and symbolize the recycling effort. The logo was used on letterhead, signs, banners, announcements and promotional items.
- Provided interactive recycling sessions for over 500 Chippewa County fifth graders at Conservation Days. Topics included historical aspects of waste management, financial and environmental consequences of not recycling, local and US recycling statistics compared to global statistics, ending with a challenge for students to make wise choices and be effective recyclers.

2. BUSINESS AND INSTITUTIONAL RECYCLING EVALUATION PROJECT

The Chippewa County Recycling Program continues to visit businesses, institutions, industries, and multi-family dwellings to provide information and education for recycling.

While providing a proactive business presence, the assessments also collect information necessary to forge new recycling initiatives and improve and evaluate existing initiatives.

LARGE EVENT RECYCLING PROJECT

In an effort to encourage recycling at large outdoor events throughout Chippewa County, in accordance with the Recycling Ordinance Chapter 62.88, the Chippewa County Recycling Program developed and implemented a large event recycling project. Originally the County purchased ninety-five (95) “Clear Stream” recycling bins and loaned them free of charge to municipalities and groups for use at large events.

In 2009, the maintenance of the program was transitioned to the event organizers or municipalities. They will keep the bins and use them at all events in their communities. The County had minimal involvement in 2017 regarding this project.

CONVENIENCE STORE RECYCLING PROJECT

This project is a continuation of a 2005 pilot project. Holiday stores started a “recycling away from home” program with Chippewa County Recycling Program’s assistance. Recycling bins provided by Chippewa County and maintained by the stations were placed at the pumps. In 2008, recycling bins were placed at the pumps at all Chippewa County Cenex convenience stores. The purpose of this project is to provide an effective recycling program for convenience store customers.

Later Mega, Gordy’s and DJ’s BP convenience stores as well as some independent stores joined the project by installing recycling stations at the pumps in Chippewa County.

By 2014 the goal set forth by the Chippewa County Recycling Program to implement recycling at all convenience stores within the County RU was met. Every convenience store in the County has been contacted about their recycling program. Twenty-eight convenience stores are currently using the County provided bins and have a productive recycling program in place. The Kwik Trip chain uses bins provided by their own company. One convenience store declined to use any bins for recycling.

In 2017 all participating stations were re-inspected, assessments made for additional bins where appropriate, and lettering replaced where letters were missing. A centralized record of inventory (by address) for all bins owned by the County and installed at Chippewa County convenience stores was created.



FLUORESCENT BULB RECYCLING PROJECT

The Chippewa County Fluorescent Bulb Recycling Project was implemented in April of 2003 and relies upon the partnership of local hardware stores and recycling programs to provide a local and cost effective fluorescent bulb recycling option for residents and businesses. In 2009 coordination of the pick-up routes for the fluorescent bulbs was transferred from Chippewa County recycling staff to Chippewa Hardware and Sporting Goods. While consulting all participating locations, recycling staff found that the hardware store was sold to Jacobson's Ace Hardware who enthusiastically continues as a recycling site. At some point since 2009 the sites have all transitioned to arranging individually for their own proper safe disposal of fluorescent bulbs they have collected. The county-wide brochure advises county residents that they can dispose of lightbulbs at the Clean Sweep events as well as throughout the year at the participating hardware stores across the county.

C. ORDINANCE ADMINISTRATION, COMPLIANCE, AND ENFORCEMENT

During 2017, the Department of Land Conservation and Forest Management staff investigated complaints relating to the Chippewa County Recycling Ordinance and the Chippewa County Litter Ordinance. Since January, the office received a total of two (2) complaints regarding dumping and stockpiling of garbage and recyclable items. Both of the properties came into compliance with the ordinance.

In 2004, the Chippewa County Board of Supervisors adopted the revised Large Assembly Ordinance, Chapter 62-81. The purpose of the ordinance is to regulate the assemblage of people in excess of those normally needing the health, sanitary, fire, police, transportation and utility services regularly provided in the county, in order that the health, safety and welfare of all persons in the county, residents and visitors alike, may be protected. The ordinance now includes language regarding plans for holding, collecting, and disposing of solid waste material, and the plans for collecting, removing and recycling recyclable materials during large events. In 2017, the Chippewa County Recycling Program reviewed and approved plans for the Chippewa Valley Music Festivals and conducted an onsite follow-up inspection.

D. SPECIAL COLLECTION PROGRAMS

ROADSIDE DITCH CLEAN UP PROJECT

In recent years there has been an increase in roadside litter and illegal dumping. Chippewa County recognizes that roadside cleanup is a direct and recurring cost to the towns. In an effort to help cover the costs of ditch maintenance, Chippewa County provides a direct allocation of \$500 to offset the costs of collecting tires, appliances, electronics and mattresses from the town ditches.

Following the town's confirmation, the clean-up event was organized by the town and conducted by the town crew, volunteers, or non-profit organizations. The allocation for each town is used to offset hourly

wages for town workers, equipment usage hours, and payments to non-profit organizations that may assist the town.

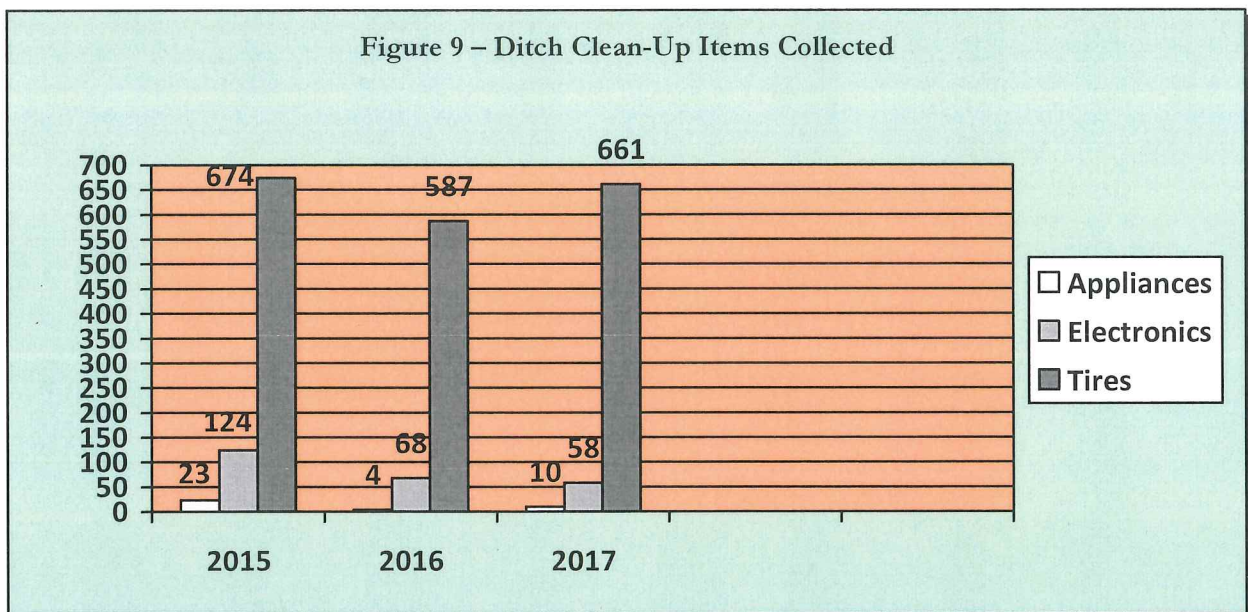
This seasonal roadside cleanup activity is not intended as an extension of normal recycling collection. Town clerks and patrolman record and report recyclable material type and volume collected from town road ditches.

After the town clean-up event, the town crew delivers electronics and appliances to First Choice for recycling and waste tires to Chippewa County tire collection sites on scheduled collection days in April or May. Disposal fees are direct billed to the County.

Payments to towns for 2017 Ditch Clean-Up Project:	\$7,000 (\$500 x 14)
Disposal Cost:	\$2,975
Total cost of 2017 Ditch Clean-Up Project:	<u>\$9,975</u>

Amount budgeted to fund the 2017 Ditch Clean-Up Project:	\$10,000
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Figure 9 titled, "Ditch Clean-Up Items Collected" shows the number of items collected from all township sites.



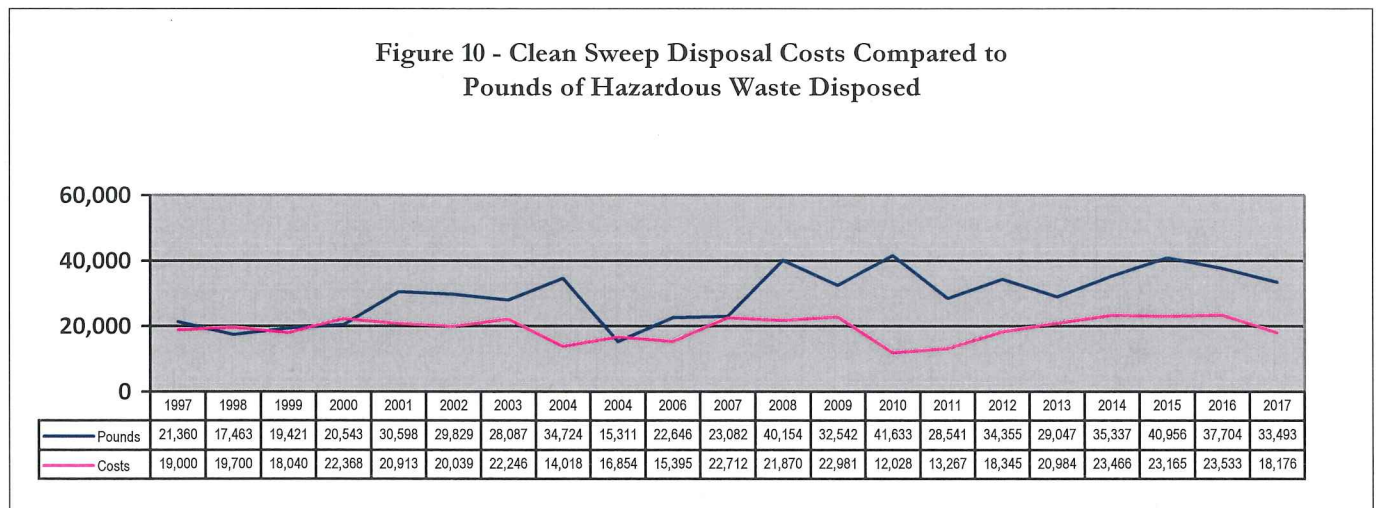
HOUSEHOLD HAZARDOUS WASTE CLEAN SWEEP

The program objective is to implement a countywide collection and education program focused at diverting hazardous waste from municipal landfills, sewers, septic systems, and other areas and facilities in the County not authorized for hazardous waste disposal. The program is specifically aimed at hazardous waste generated by single family households, farmers and very small quantity generator businesses.

The 2017 Clean Sweep and Very Small Quantity Generator (VSQG) program included two different collection events throughout the year. Collections were held in the City of Chippewa Falls at the Northern Wisconsin State Fairgrounds.

Survey results showed that 584 participants brought in a total of 33,493 pounds of household hazardous waste for disposal at a cost of \$18,176. The majority of the material collected was paint related such as oil-based paints, thinners, solvents, mercury and stains. Large amounts of gas/oil mixtures, corrosives, antifreeze and pesticides were also collected. Sixteen small businesses participated in the VSQG with the average participating weight of 569 pound per business. Hazardous waste from farmers was collected through the Clean Sweep. Chippewa County received a grant for \$10,500 to dispose of the chemicals.

Figure 10, titled "Clean Sweep Disposal Costs Compared to Pounds of Hazardous Waste Disposed," shows the disposal costs of the hazardous waste collected. It also shows the pounds of hazardous wastes that were disposed.



APPLIANCE COLLECTION

During 2017, for the twenty-first year, Chippewa County held its Appliance Round-ups. Appliances were collected from 8 a.m. to noon on April 1 and October 14 in Chippewa Falls. Total pounds of appliances collected from the two events combined were 44,902 pounds with 792 Chippewa County residents served. Residents were charged a fee of \$10 per appliance to cover the disposal cost of recycling these appliances.



ELECTRONICS (E-WASTE) RECYCLING

Wisconsin's electronics recycling law (§ 287.17, Wis. Stats.) establishes a statewide program, called E-Cycle Wisconsin, to collect and recycle certain electronics. It is based on a product stewardship approach, in which manufacturers fund collection and recycling programs for their products. To support recycling and minimize disposal, the law banned many electronics from Wisconsin landfills and incinerators beginning in September, 2010.

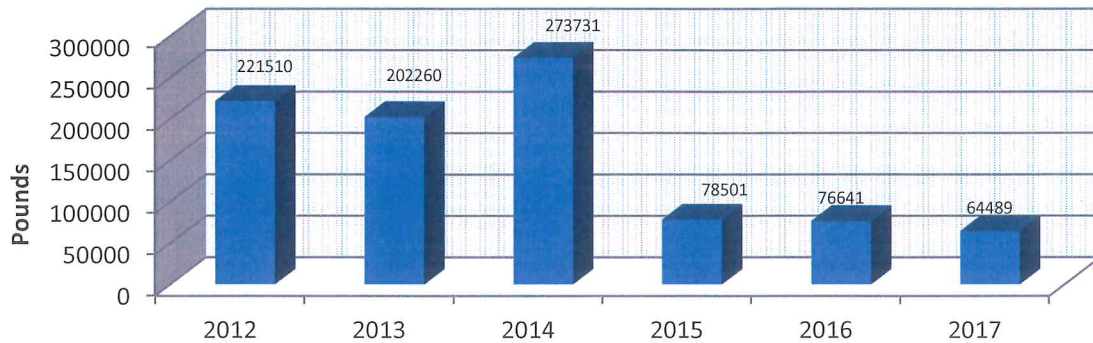
After this law and until they closed in 2014, the Bloomer and Lafayette Recycling Centers served as permanent electronics recycling sites for Chippewa County residents and businesses. Contract changes with the E-waste hauler precipitated the site closings. Residents may still recycle electronics twice a year at the Northern WI State Fairgrounds in conjunction with the Clean Sweep or take them to a business that recycles electronics.

In 2017, 64,489 lbs. or 32.25 tons of E-waste was collected and recycled from 792 Chippewa County residents and businesses. Computers, computer accessories, TV's, cellphones, and other electronics contain harmful materials including lead, mercury, cadmium, chromium, other heavy metals and chemical flame retardants. When illegally dumped, these chemicals can leach into the environment, where they may affect human and environmental health.

It is important to recycle electronics properly because of the valuable reusable materials that they contain, including plastics, metals, circuit boards and other. Recycling or reusing these materials reduces environmental impacts and economic costs by reducing the need of virgin materials in producing new electronics.

Figure 11, titled "Chippewa County Electronics Collection Summary" is a chart documenting the pounds of electronics collected from 2012-2017.

Figure 11 - Chippewa County Electronics Collection Summary

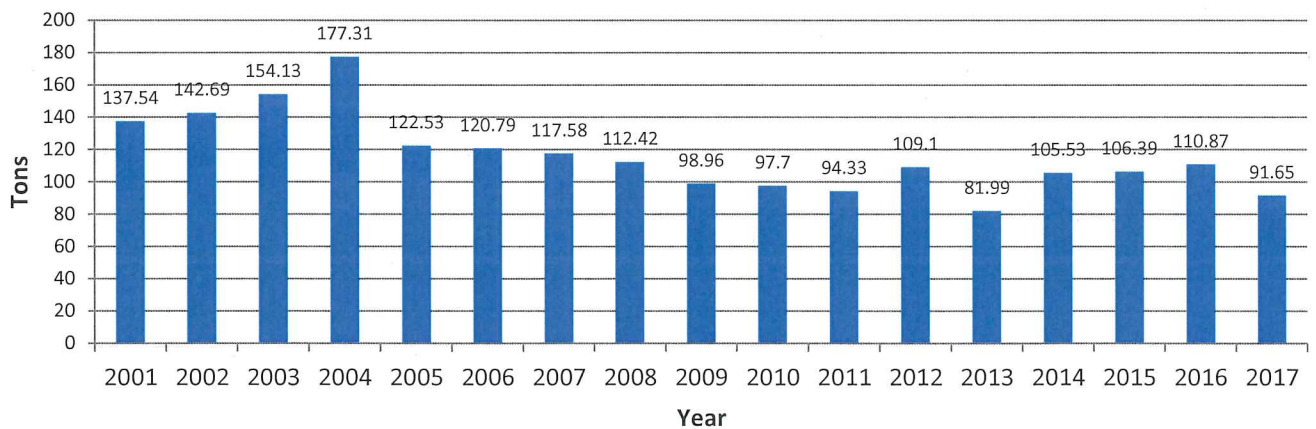


PERMANENT TIRE COLLECTION PROGRAM

The permanent tire collection program provides a consistent method to divert the stream of waste tires from illegal stockpiles and eliminate small waste tire holdings by individuals. This program provides a collection and storage site, and later a transfer process to shredding facilities. This is a cost effective outlet for waste tires assembling amounts sufficient to be loaded on semi-trailers and transported to facilities where the tires are converted to tire derived fuel (TDF).

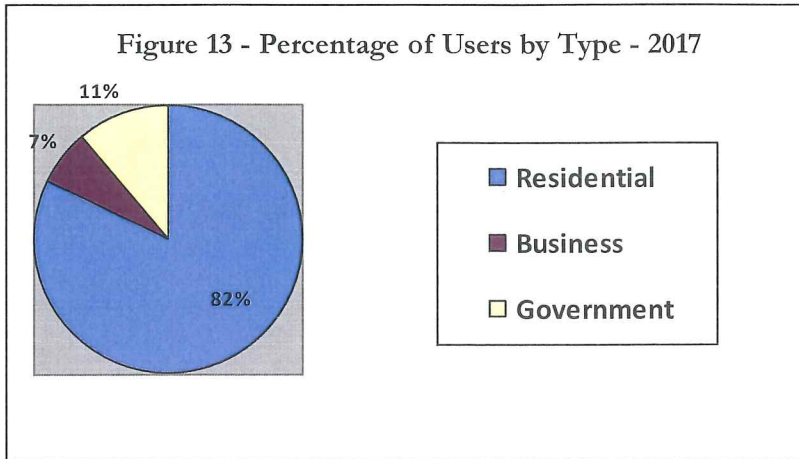
Figure 12, titled "Tons of Tires Collected by Year," indicates the total tonnage of tires collected at the Chippewa County Waste Tire Sites from 2001-2017.

Figure 12 - Tons of Tires Collected by Year



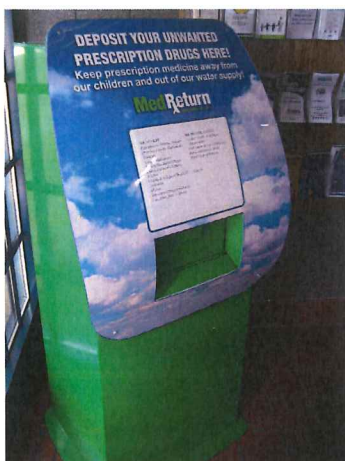
During 2017, the program was operated at two sites for a total of thirteen days from April to October. A total of 91.65 tons of waste tires were collected from 153 residents, businesses and government agencies. A profit for the County after tire disposal, advertising, and contracted services was \$950.52.

Figure 13, titled “Percentage of Users by Type – 2017,” shows the number of users by type at the Lafayette and Cornell tire sites.



PHARMACEUTICAL COLLECTION

In 2012, “take-back” med boxes were purchased and placed at the Chippewa Falls, Cadott, Hallie, Cornell, Stanley, Boyd and Bloomer Police Departments along with the Chippewa County Sheriff’s office. Chippewa County residents continue to have the convenience to drop off meds during regular business hours at multiple county law enforcement locations.



AG PLASTICS

In 2017, Chippewa County worked with Revolution Plastics to establish a new Agricultural Plastics Recycling Program for farmers, dairies and marinas. The program offered a free 8-yard dumpster to collect silage bale wrap, grain bags, greenhouse, bunker or boat cover films. The ag plastic is collected on a scheduled route that varies from four to six weeks. This is a free service.

The collected plastics are baled and shipped back to the Arkansas plant and after processing will eventually be used for industrial trash can liners.

Chippewa County farms, dairies and marinas recycled 201,000 lbs. or 100.5 tons of agricultural plastic.

