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2018 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, 2019*

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## 2018 MUNICIPAL AUTHORITIES

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### Cities/Villages

City of Bloomer	Jeffrey Steinmetz	568-5485	Town of Cooks Valley	Darrel Fehr	568-5012
City of Cornell	Judy Talbot	239-3710	Town of Delmar	Dave Peterson	703-3314
City of Stanley	Mike Henke	644-8079	Town of Eagle Point	Dennis Ferstenou	720-1226
City of Chippewa Falls	Greg Hoffman	726-2734	Town of Edson	Donald Schesel	644-4943
Village of Boyd	Randy Setzer	667-5104	Town of Estella	Ray Carothers	577-7452
Village of Cadott	Anson Albarado	289-4511	Town of Goetz	Paul Helminski	313-3284
Village of Lake Hallie	Wayne Walkowiak	944-4211	Town of Hallie	Larry Marquardt	723-6544
Village of New Auburn	Donna Bischel	237-3299	Town of Howard	Vern Schindler	874-5229

### Towns

Town of Anson	Gary Lazarz	382-4397	Town of L. Holcombe	Monte(Beau) Bowlin	595-4211
Town of Arthur	Lori Prokupek	289-4466	Town of Ruby	Rob Winchel	452-5865
Town of Auburn	Paul Scheidecker	568-5073	Town of Sampson	Chuck Richardson	764-1123
Town of Birch Creek	Ronnie Arts	595-4882	Town of Sigel	Lennis Ramseier	289-4884
Town of Bloomer	Gary Nehring	568-4899	Town of Tilden	Daniel Adams	577-9568
Town of Cleveland	Michael Beighley	530-0769	Town of Wheaton	Mark Blaskowski	874-4969
Town of Colburn	Brad Hompe	644-5712	Town of Woodmohr	Jerry Johnson	568-4344

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## COUNTY AUTHORITIES

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### Chippewa County Land Conservation and Forest Management Committee

Dean Gullickson, Chair	720-0810	Jason Bergeron	829-6687
John Ewer	828-9579	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*

# TABLE OF CONTENTS

LIST OF ILLUSTRATIONS .....	ii
Section	
I. INTRODUCTION AND BACKGROUND .....	1
A. Background.....	1
B. Purpose of Report .....	1
C. Roles and Responsibilities .....	2
II. OVERVIEW OF MUNICIPAL RECYCLING PROGRAMS AND ACTIVITIES .....	2
A. Type of Municipal Recycling Programs .....	3
B. Recycling Tonnage.....	4
C. Recycling Cost Breakdown .....	9
D. Materials Recovery Facility (MRF) Study.....	17
E. Household Recycling Revenue Sharing Program .....	18
III. OVERVIEW OF COUNTY RECYCLING PROGRAMS AND ACTIVITIES.....	19
A. Coordination and Administration of Recycling Program Grants.....	19
1. Intergovernmental Agreement with the City of Chippewa Falls .....	20
B. Information and Education Program.....	20
1. General Public Information and Outreach .....	20
2. Business and Institutional Recycling Evaluation Project.....	21
C. Ordinance Administration, Compliance, and Enforcement.....	22
D. Special Collection Programs.....	22

# LIST OF ILLUSTRATIONS

## A. Tables

Table	Page
1 TYPE OF MUNICIPAL RECYCLING PROGRAM .....	3
2 CHIPPEWA COUNTY RECYCLING TONNAGE BY TYPE 2008-2018.....	4
3 RECYCLING TONNAGES PER MUNICIPALITY FOR 2018 .....	6-7
4 BREAKDOWN OF COSTS PER MUNICIPALITY – 2018.....	10-13

## B. Figures

Figure	Page
1 DNR TONNAGE PERCENTAGES RECYCLED BY TYPE.....	5
2 CHIPPEWA COUNTY RECYCLING TONNAGE FROM 2008-2018 .....	5
3 WEIGHTED RECYCLING POUNDS PER PERSON .....	8
4 TOTAL COSTS FOR RECYCLING AS INCURRED BY MUNICIPALITY IN 2018.....	14
5 PER PERSON RECYCLING COSTS AS INCURRED BY MUNICIPALITY IN 2018.....	15
6 RECYCLING COST PER TON PER MUNICIPALITY IN 2018 .....	16
7 AVERAGE RECYCLING COMMODITY RATE 2018.....	18
8 CHIPPEWA COUNTY RESPONSIBLE UNIT RECYCLING GRANT AWARDS 1990-2018.....	19
9 DITCH CLEAN-UP ITEMS COLLECTED .....	23
10 CLEAN SWEEP DISPOSAL COSTS COMPARED TO POUNDS OF HAZARDOUS WASTE DISPOSED.....	24
11 CHIPPEWA COUNTY ELECTRONICS COLLECTION SUMMARY 2012-2018.....	26
12 TONS OF TIRES COLLECTED BY YEAR .....	26
13 PERCENTAGE OF USERS BY TYPE – 2018.....	27

# 2018 ANNUAL REPORT

## CHIPPEWA COUNTY RECYCLING PROGRAM

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### I. INTRODUCTION AND BACKGROUND

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#### A. BACKGROUND

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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.

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#### B. PURPOSE OF REPORT

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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.

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## C. ROLES AND RESPONSIBILITIES

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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.

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## II. OVERVIEW OF MUNICIPAL RECYCLING PROGRAMS AND ACTIVITIES

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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.

<b>Municipality</b>	<b>Curbside Program</b>	<b>Drop-off Program</b>	<b>Independent RU’s</b>
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			Express Disposal
Eagle Point		Waste Management	
Edson		Express Disposal	
Estella		Express Disposal	
Goetz		Express Disposal	
Hallie Area		Waste Management	
Howard		Waste Management	
Lafayette		Advanced Disposal	
Lake Holcombe		Express Disposal	
New Auburn			Waste Management
Ruby		Express Disposal	
Sigel		Express Disposal	
Stanley	Express Disposal		
Tilden		Advanced Disposal	
Wheaton		Advanced Disposal	
<b>Total</b>	<b>5</b>	<b>18</b>	<b>3</b>

## 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 2008-2018,” shows the tons of recyclable material as reported by contracted recycling haulers during the calendar years 2008-2018 for the Chippewa County Responsible Unit.

**Table 2 - Chippewa County Recycling Tonnage by Type 2008-2018**

MATERIAL	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Glass	522	410	528	588	743	757	745	806	588	596	738
Plastic	200	181	203	186	207	211	248	229	107	99	165
Newspaper	348	408	391	345	315	331	366	430	133	100	439
Tin/Steel	146	120	131	146	170	186	185	200	131	134	157
Aluminum	27	18	29	28	39	42	52	54	38	35	45
Cardboard	604	511	424	440	455	481	511	514	289	269	395
Magazines	140	188	240	173	149	161	140	124	53	40	26
Office Paper	114	169	139	144	195	197	165	200	176	145	325
All Container	255	423	795	181					0	0	0
All Paper	741	774	392	531	401	337	336	388	359	377	352
All				674	677	661	662	612	1715	1796	1121
Total	3097	3202	3272	3436	3351	3364	3466	3557	3589	3591	3763

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 2018, Chippewa County met the standards of NR544 requiring a minimum of 93.32 pounds per person. Chippewa County collected 126.34 pounds per person. Chippewa County continues to achieve approximately 135% of the required minimum level per person.



Figure 1, titled “DNR Tonnage Percentages Recycled by Type,” shows the percentage of recyclables collected by type as of Wisconsin DNR’s last report of statewide figures (2017 data). While the trend has been single sort collection, this chart reflects the breakdown of what is collected overall. Collection from Chippewa County residents would be expected to be very similar to these proportions.

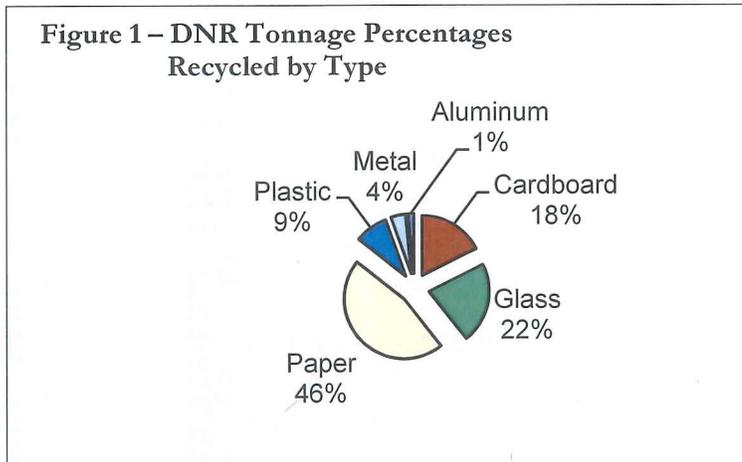
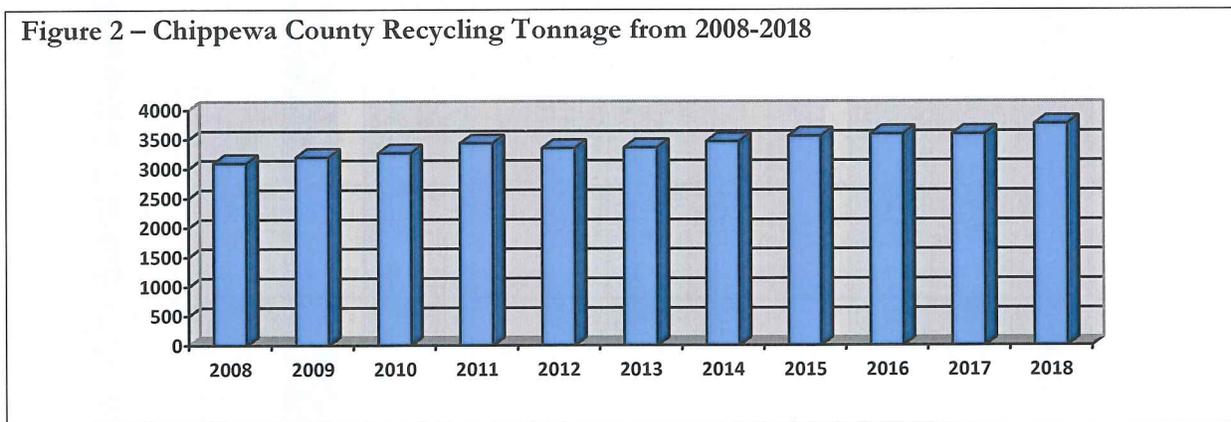


Figure 2, titled “Chippewa County Recycling Tonnage from 2008-2018,” shows the total tons of recyclables collected from 2008-2018.



The next three pages include the following documents.

Table 3, titled “Recycling Tonnages per Municipality for 2018” indicates the tonnages of recyclable items for each municipality for 2018.

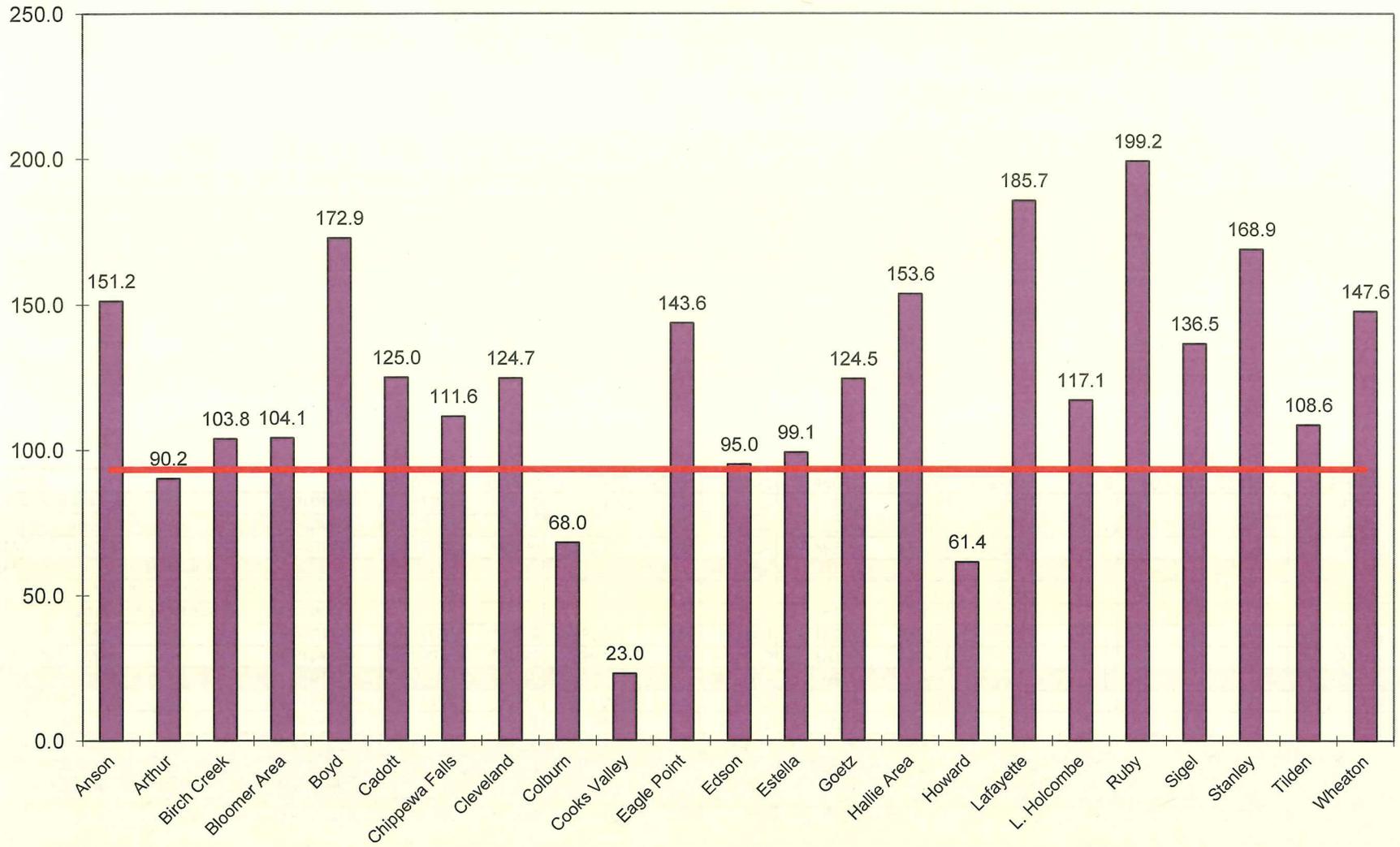
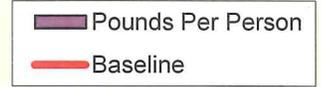
Figure 3, titled “Weighted Recycling Pounds per Person” shows the baseline pounds per person and each municipality’s pounds per person as required by state statute.

Table 3 - Recycling Tonnages per Municipality for 2018

	Curb/Drop	Cardboard	Newspaper	Mixed Paper	Magazines	Aluminum	Tin	Plastic	Glass	All Containers	All Paper	ALL	Total Pounds	Total Tons
Anson - Express	Curbside	53622	26812	18898		6950	30121	20853	173778				331034	165.5
Anson - Tambornino	Curbside	387		1546		129	258	64	837				3221	1.6
Arthur - Express	Dropoff	11133	5568	3917		1443	6255	4328	36079				68723	34.4
Arthur - WM	Curbside	110	389	196	2	10	28	64	182				981	0.5
Bloomer (town) - WM	Curbside	1196	4230	2130	27	106	304	693	1981				10667	5.3
Bloomer Area - City	Dropoff	300000	85760	32209	39880	6360	65544	75080	104000				708833	354.4
Birch Creek - WM	Dropoff	6098	21575	10864	136	539	1550	3536	10102				54400	27.2
Birch Creek - WM	Curbside	41	146	73	1	4	10	24	68				367	0.2
Boyd - WM	Curbside	10582	37440	18852	236	935	2690	6136	17530				94401	47.2
Cadott - Advanced Disposal	Curbside					3100	6380	6380	36760		129400		182020	91.0
Chippewa Falls - ProVyro	Curbside											1567220	1567220	783.6
Cleveland - Express	Dropoff					2660	11520	7975	66454				88609	44.3
Cleveland - Mulehide											17000		17000	8.5
Cleveland - WM	Curbside	371	1313	661	8	33	94	215	615				3310	1.7
Colburn - Express	Dropoff	9803	4901	3449		1272	5507	3814	31773				60519	30.3
Colburn - WM	Curbside	41	146	73	1	4	10	24	68				367	0.2
Cooks Valley - WM	Dropoff	1733	6131	3087	39	153	441	1005	2871				15460	7.7
Cooks Valley - WM	Curbside	426	1507	759	10	38	108	247	706				3801	1.9
Eagle Point - WM	Dropoff	7287	25779	12981	163	644	1853	4225	12071				65003	32.5
Eagle Point - WM	Curbside	44130	156129	78616	984	3897	11220	25588	73104				393668	196.8
Edson - Express	Dropoff	16594	8297	5839		2150	9322	6454	53779				102435	51.2
Estella - Express	Dropoff					866	3751	2598	21644				28859	14.4
Estella - Mulehide											14000		14000	7.0
Estella - WM	Curbside	41	146	73	1	4	10	24	68				367	0.2
Goetz - Express	Dropoff	15198	7598	5347		1969	8538	5910	49252				93812	46.9
Goetz - WM	Curbside	605	2139	1077	13	53	154	351	1002				5394	2.7
Hallie - WM	Dropoff	17716	62679	31561	395	1565	4504	10273	29348				158041	79.0
Hallie - Advanced Disposal	Curbside					2360	4840	4840	27960		98400		138400	69.2
Hallie - (Town) Tamb.	Curbside	116		465		39	77	19	252				968	0.5
Hallie - (Village) Tamb.	Curbside	18024		72115		6001	12023	3001	39068				150232	75.1
Hallie - (Town) WM	Curbside	316	1118	563	7	28	80	183	524				2819	1.4
Hallie - (Village) WM	Curbside	25659	90779	45710	572	2266	6523	14878	42506				228893	114.4
Hallie - ProVyro	Curbside											219000	219000	109.5
Hallie - (Village) Boxx	Curbside	53145	40966	48716		3543	8858	20372	33216				208816	104.4
Howard - WM	Curbside	1883	6661	3354	42	166	479	1092	3119				16796	8.4
Howard - WM	Dropoff	3498	12374	6231	78	309	889	2028	5794				31201	15.6
Howard - Spickler						908							908	0.5
Lafayette - (Town) Boxx	Curbside	4135	3187	3791		276	689	1585	2584				16247	8.1
Lafayette - Advanced Disposal	Dropoff											249600	249600	124.8
Lafayette - Commerical	Dropoff	1990	23170		8746								33906	17.0
Lafayette - Tamb.	Curbside	26833		107314		8951	17882	4476	58123				223579	111.8
Lafayette - Advanced Disposal	Curbside					3780	7800	7800	44960		158260		222600	111.3

Lafayette - WM	Curbside	21096	74367	37582	470	1863	5363	12232	34947				187920	94.0
Lafayette - Express	Curbside	5517	2759	1941		715	3097	2147	17885				34061	17.0
Lafayette - ProVyro	Curbside											158000	158000	79.0
Lafayette - N Metal Recycling						1180							1180	0.6
L. Holcombe - Mulehide		2060	4940										7000	3.5
L. Holcombe - Express	Curbside	10673	5337	3755		1383	5994	4149	34590				65881	32.9
L. Holcombe - Express	Dropoff										49088		49088	24.5
Ruby - Express	Dropoff	16021	8012	5638		2075	9002	6232	51926				98906	49.5
Sigel - Express	Dropoff	22807	11405	8024		2957	12811	8871	73916				140791	70.4
Sigel - WM	Curbside	220	778	392	5	19	56	128	364				1962	1.0
Sampson - WM	Curbside	110	389	196	2	10	28	64	182				981	0.5
Stanley - Express	Curbside	45729	22865	16091		5928	25689	17784	148201				282287	141.1
Stanley - WM	Curbside	7531	26645	13417	168	665	1915	4367	12476				67184	33.6
Tilden - WM	Curbside	7408	26208	13196	165	654	1883	4296	12271				66081	33.0
Tilden - Advanced Disposal	Dropoff					1680	3460	3460	20000		70400		99000	49.5
Wheaton - Advanced Disposal	Dropoff					5160	10620	10620	61260		215580		303240	151.6
Wheaton - Town Records						1046							1046	0.5
Wheaton - WM	Curbside	11380	40260	20272	254	1005	2893	6598	18551				101213	50.6
Wheaton - Boxx	Curbside	1531	1181	1404		102	255	587	957				6017	3.0
Woodmohr - WM	Curbside	4288	15170	7639	96	379	1090	2486	7103				38251	19.1
Total		789084	877256	650014	52501	90332	314468	330156	1476807	0	703040	2242908	7526566	3763.3
														7526566

**Figure 3 - Weighted Recycling Pounds Per Person**  
**93.32 lbs. - 2018**



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## C. RECYCLING COST BREAKDOWN

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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 2018,” 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 2018,” 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 2018,” 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 - 2018**

Municipal recycling programs in County RU	Anson	Arthur	Birch Creek	Bloomer Area	Boyd	Cadott	Chippewa Falls
1 Salaries/Wages	428	583		74,358	1,000	1,000	36,393
2 Consulting and Prof Svc							9,774
3 Utility Services				6,917			
4 Purch. Repairs and Maint.							
5 Purch. Services -Print & Adv				111			
6 Purch.Services-Other	7,645	949	2,519	1,764	10,000	16,121	237,533
7 Office Supplies				11	400		1,157
8 Subscriptions and Dues							
9 Employee Travel and Training							
10 Operating Supplies			150	4,920			
11 Repair and Maint. Supplies				2,637			
12 Insurance				1,482			
13 Rents and Leases							
14 Depreciation				3,678			
15 Hourly Equipment Use Chgs	670			19,085		489	16,755
16 Cost Allocations							560
17 Other							
18 <b>TOTAL COSTS</b>	8,743	1,532	2,669	114,963	11,400	17,610	302,172
19 Subtract:Inelig. Costs							
20 <b>ELIGIBLE EXPENSES</b>	8,743	1,532	2,669	114,963	11,400	17,610	302,172
Subtract: Deductible Revenues							
Revenues from sale of recyclables				12,108			
Other deduct. revenue							
Total deductible revenues	0	0	0	12,108	0	0	0
<b>NET ELIGIBLE COSTS</b>	8,743	1,532	2,669	102,855	11,400	17,610	302,172
Cost of Yard Waste included above	4,798			26,109	1,000	1,489	47,648
Cost of Recycling ONLY	3,945	1,532	2,669	76,746	10,400	16,121	254,524
Tons of Recyclables	167.1	34.9	27.4	379.4	47.2	91.0	783.6
Cost per ton	\$23.61	\$43.96	\$97.41	\$202.28	\$220.34	\$177.15	\$324.81
lbs. per cap.	151.2	90.2	103.8	104.1	172.9	125.0	111.6
Type of Recycling Program	CURBSIDE	DROP-OFF	DROP-OFF	DROP-OFF	CURBSIDE	CURBSIDE	CURBSIDE
Cost per person (Yard Waste)	\$2.17	\$0.00	\$0.00	\$3.58	\$1.83	\$1.02	\$3.39
Cost per person (Recycling)	\$1.79	\$1.98	\$5.05	\$10.53	\$19.05	\$11.07	\$18.12
Cost per person (Total)	\$3.96	\$1.98	\$5.05	\$14.12	\$20.88	\$12.09	\$21.51
Population	2,210	773	528	7,286	546	1,456	14,049

**Table 4 -Breakdown of Costs**

Municipal recycling programs in County RU	Cleveland	Colburn	Cooks Valley	Eagle Point	Edson	Estella	Goetz
1 Salaries/Wages	3,080	1,496	1,540	1,575	1,292	2,854	1,201
2 Consulting and Prof Svc							
3 Utility Services	500		609		150		
4 Purch. Repairs and Maint.							
5 Purch. Services -Print & Adv	30		25		50		159
6 Purch.Services-Other	2,601	2,900	4,065		2,817	738	1,300
7 Office Supplies							
8 Subscriptions and Dues							
9 Employee Travel and Training							
10 Operating Supplies		300	491				200
11 Repair and Maint. Supplies	150						100
12 Insurance	850	660	2,369	1,500	365	933	
13 Rents and Leases							
14 Depreciation	772	332	292		179		
15 Hourly Equipment Use Chgs	437			3,560	316		
16 Cost Allocations				165	460		
17 Other							
18 <b>TOTAL COSTS</b>	8,420	5,688	9,391	6,800	5,629	4,525	2,960
19 Subtract: Inelig. Costs							
20 <b>ELIGIBLE EXPENSES</b>	8,420	5,688	9,391	6,800	5,629	4,525	2,960
Subtract: Deductible Revenues							
Revenues from sale of recyclables							505
Other deduct. revenue							
Total deductible revenues	0	0	0	0	0	0	505
<b>NET ELIGIBLE COSTS</b>	8,420	5,688	9,391	6,800	5,629	4,525	2,455
Cost of Yard Waste included above				3,725			
Cost of Recycling ONLY	8,420	5,688	9,391	3,075	5,629	4,525	2,455
Tons of Recyclables	54.5	30.4	9.6	229.3	51.2	21.6	49.6
Cost per ton	\$154.50	\$187.11	\$978.23	\$13.41	\$109.94	\$209.49	\$49.50
lbs. per cap.	124.7	68.0	23.0	143.6	95.0	99.1	124.5
Type of Recycling Program	<i>DROP-OFF</i>						
Cost per person (Yard Waste)	\$0.00	\$0.00	\$0.00	\$1.17	\$0.00	\$0.00	\$0.00
Cost per person (Recycling)	\$9.63	\$6.36	\$11.27	\$0.96	\$5.22	\$10.38	\$3.08
Cost per person (Total)	\$9.63	\$6.36	\$11.27	\$2.13	\$5.22	\$10.38	\$3.08
Population	874	894	833	3,193	1,078	436	797

**Table 4 -Breakdown of Costs**

Municipal recycling programs in County RU	Hallie Area	Howard	Lafayette	L. Holcombe	Ruby	Sigel	Stanley
1 Salaries/Wages	7,789	827	8,302	1,574	2,859	3,175	7,196
2 Consulting and Prof Svc							
3 Utility Services	768		317			300	
4 Purch. Repairs and Maint.							
5 Purch. Services -Print & Adv			250				
6 Purch.Services-Other	4,757	2,529	11,242	2,512	2,301	1,177	24,973
7 Office Supplies							
8 Subscriptions and Dues							
9 Employee Travel and Training		350					
10 Operating Supplies			54		102		14
11 Repair and Maint. Supplies			2,199				91
12 Insurance		250	290	75	24		
13 Rents and Leases							
14 Depreciation	577		1,130		253	238	
15 Hourly Equipment Use Chgs	4,767		1,604	59			8,557
16 Cost Allocations	954		122			130	209
17 Other		300					
18 <b>TOTAL COSTS</b>	19,612	4,256	25,510	4,220	5,539	5,020	41,040
19 Subtract: Inelig. Costs							
20 <b>ELIGIBLE EXPENSES</b>	19,612	4,256	25,510	4,220	5,539	5,020	41,040
Subtract: Deductible Revenues							
Revenues from sale of recyclables		454	314				
Other deduct. revenue							
Total deductible revenues	0	454	314	0	0	0	0
<b>NET ELIGIBLE COSTS</b>	19,612	3,802	25,196	4,220	5,539	5,020	41,040
Cost of Yard Waste included above	1,773		5,174				16,066
Cost of Recycling ONLY	17,839	3,802	20,022	4,220	5,539	5,020	24,974
Tons of Recyclables	553.6	24.5	563.5	61.0	49.5	71.4	174.7
Cost per ton	\$32.22	\$155.18	\$35.53	\$69.18	\$111.90	\$70.31	\$142.95
lbs. per cap.	153.6	61.4	185.7	117.1	199.2	136.5	168.9
<i>Type of Recycling Program</i>	<i>DROP-OFF</i>	<i>DROP-OFF</i>	<i>DROP-OFF</i>	<i>DROP-OFF</i>	<i>DROP-OFF</i>	<i>DROP-OFF</i>	<i>CURBSIDE</i>
Cost per person (Yard Waste)	\$0.25	\$0.00	\$0.85	\$0.00	\$0.00	\$0.00	\$7.77
Cost per person (Recycling)	\$2.48	\$4.76	\$3.30	\$4.05	\$11.14	\$4.80	\$12.07
Cost per person (Total)	\$2.72	\$4.76	\$4.15	\$4.05	\$11.14	\$4.80	\$19.84
Population	7,207	798	6,069	1,042	497	1,046	3,649

**Table 4 -Breakdown of Costs**

Municipal recycling programs in County RU		Tilden	Wheaton	County Office	TOTAL
1	Salaries/Wages	3,893	7,470	37,224	207,109
2	Consulting and Prof Svc				9,774
3	Utility Services	145	967	121	10,794
4	Purch. Repairs and Maint.				0
5	Purch. Services -Print & Adv			5,182	5,807
6	Purch.Services-Other	1,319	5,937	13,310	361,009
7	Office Supplies	5		6,163	7,736
8	Subscriptions and Dues			340	340
9	Employee Travel and Training	99		42	491
10	Operating Supplies	50	210	15,565	22,056
11	Repair and Maint. Supplies		18		5,195
12	Insurance	266			9,064
13	Rents and Leases				0
14	Depreciation		2,023		9,474
15	Hourly Equipment Use Chgs				56,299
16	Cost Allocations			15,072	17,672
17	Other				300
18	<b>TOTAL COSTS</b>	5,777	16,625	93,019	723,120
19	Subtract: Inelig. Costs				0
20	<b>ELIGIBLE EXPENSES</b>	5,777	16,625	93,019	723,120
	Subtract: Deductible Revenues				0
	Revenues from sale of recyclables		523		13,904
	Other deduct. revenue				0
	Total deductible revenues	0	523	0	13,904
	<b>NET ELIGIBLE COSTS</b>	5,777	16,102	93,019	709,216
	Cost of Yard Waste included above				107,782
	Cost of Recycling ONLY	5,777	16,102	93,019	601,434
	Tons of Recyclables	82.5	205.8		3,763.3
	Cost per ton	\$70.02	\$78.24		\$159.82
	lbs. per cap.	108.6	147.6		126.4
	Type of Recycling Program	<i>DROP-OFF</i>	<i>DROP-OFF</i>		
	Cost per person (Yard Waste)	\$0.00	\$0.00		\$1.81
	Cost per person (Recycling)	\$3.80	\$5.78		\$10.10
	Cost per person (Total)	\$3.80	\$5.78		\$11.91
	Population	1,519	2,788		59,568

Figure 4 - Total Costs for Recycling as Incurred by Municipality in 2018

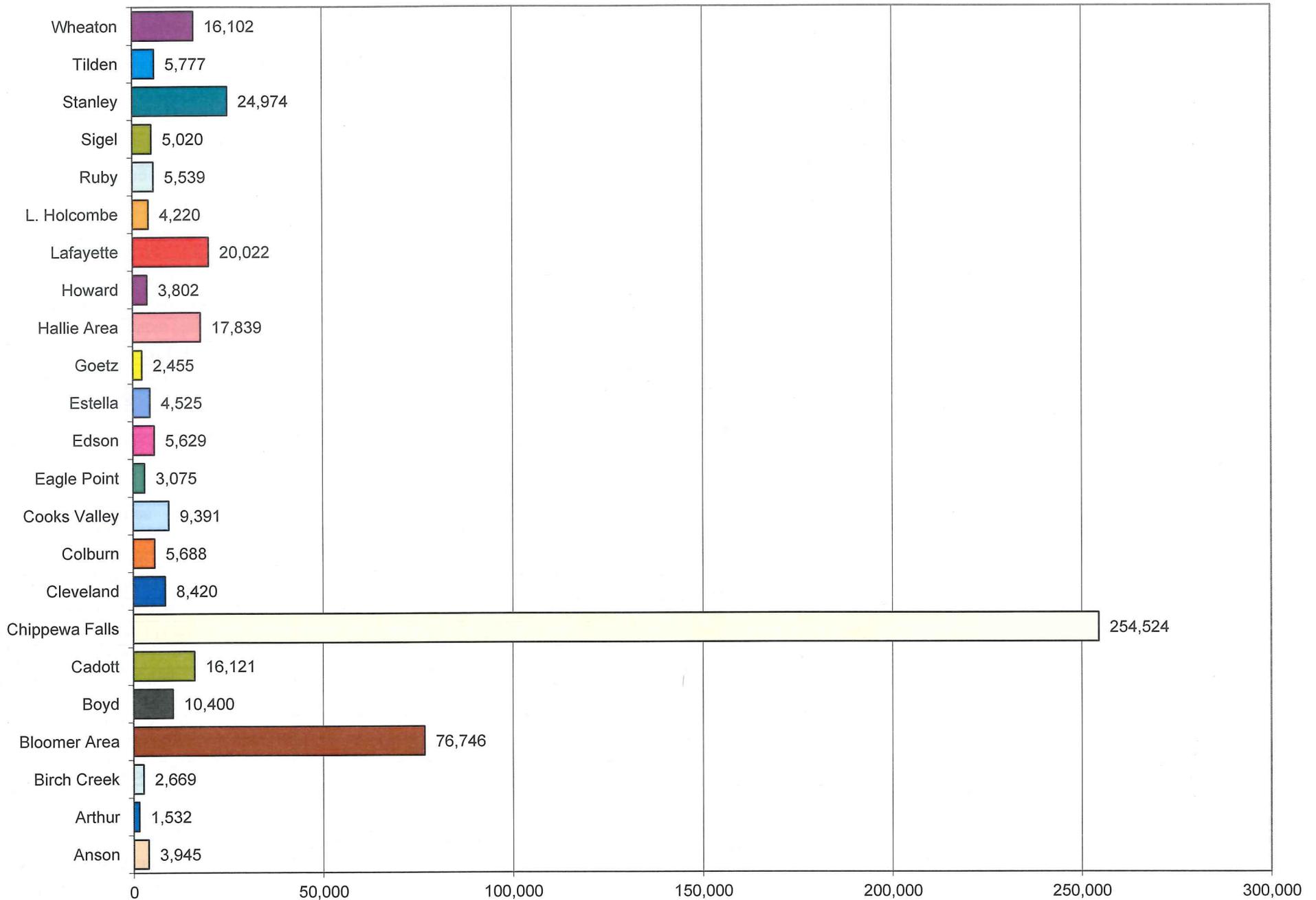


Figure 5 - Per Person Recycling Costs as Incurred by Municipality in 2018

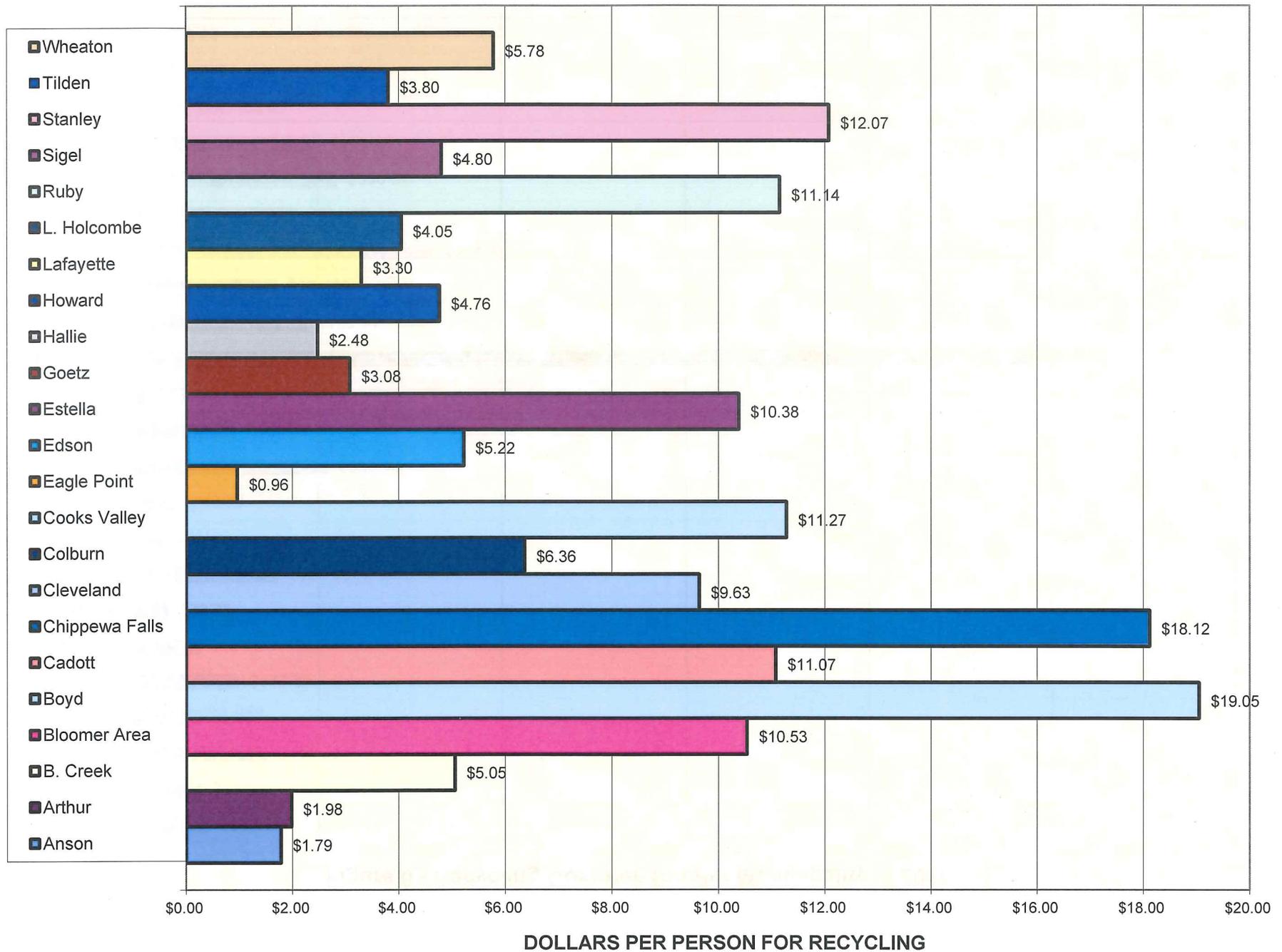
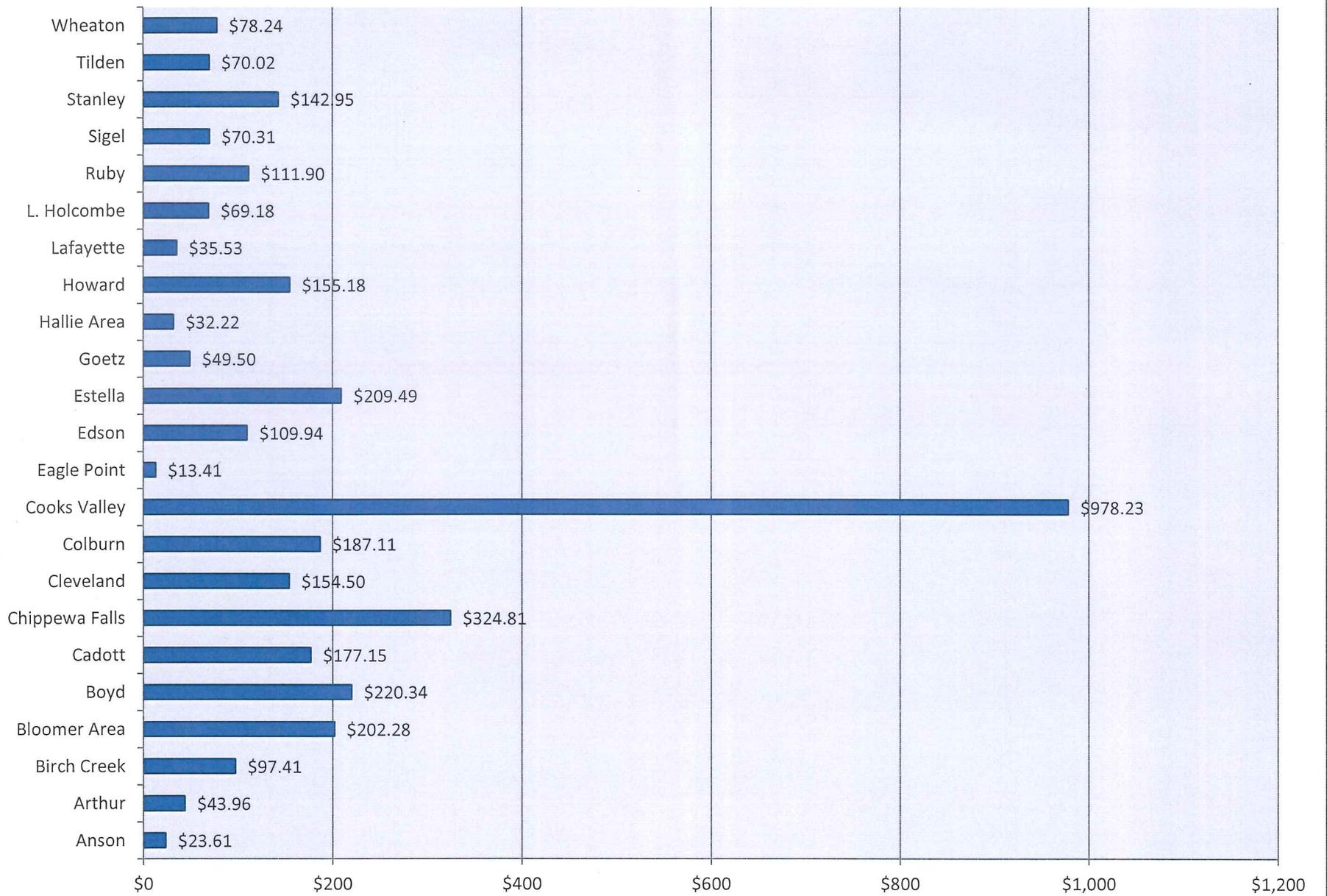


Figure 6 - Recycling Cost Per Ton Per Municipality in 2018



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## D. MATERIALS RECOVERY FACILITY (MRF) STUDY

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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.

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## E. HOUSEHOLD RECYCLING REVENUE SHARING PROGRAM

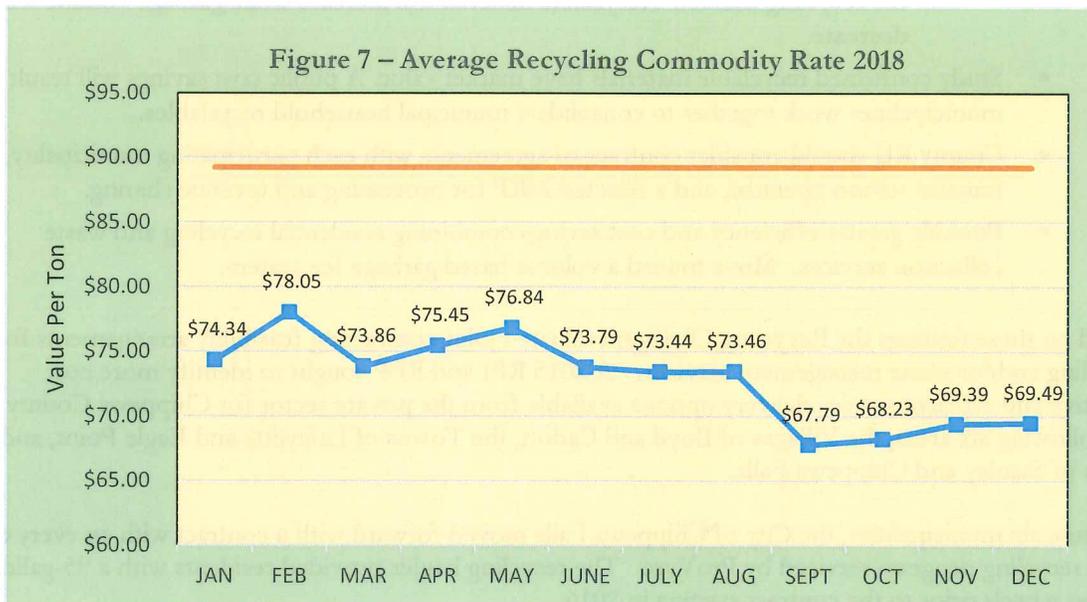
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Along with the City of Chippewa Falls' Recycling Program switch to a bi-weekly, single stream collection using 95-gallon recycling carts, the acceptable items list was expanded to include a variety of plastics, scrap metal, and small household appliances. 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 and as all of 2018.

Figure 7 titled "Average Recycling Commodity Rate 2018," shows the dollar amount per ton for a standard industry mix of recyclable materials including paper, cardboard, tin, plastic and glass per month for 2018.



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### III. OVERVIEW OF COUNTY RECYCLING PROGRAMS AND ACTIVITIES

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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.

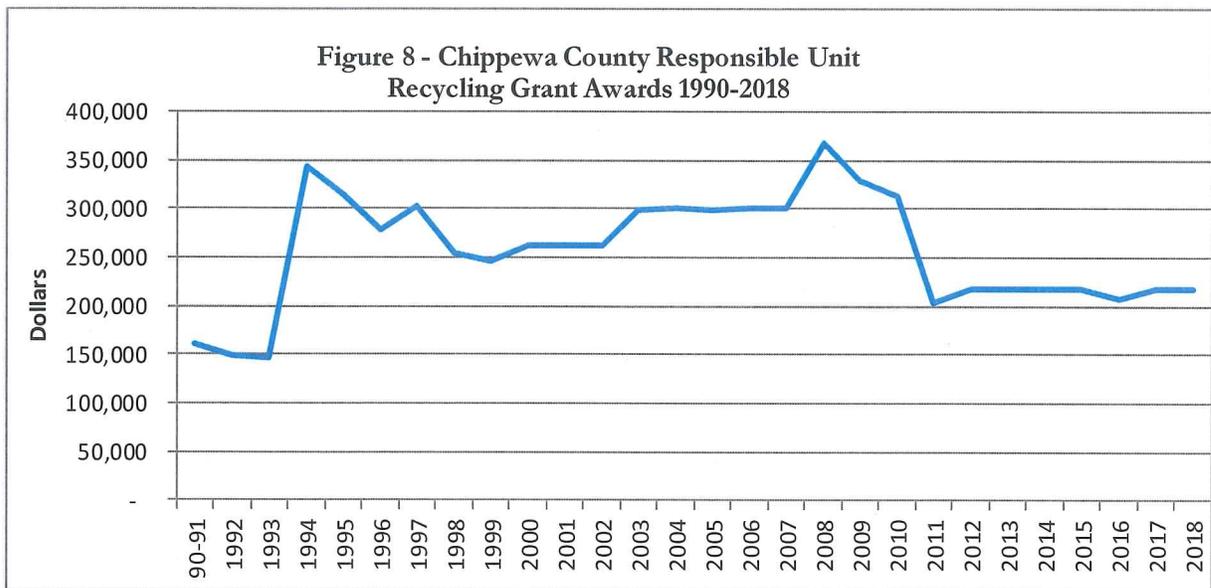
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#### A. COORDINATION AND ADMINISTRATION OF RECYCLING PROGRAM GRANTS

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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 2018 grant award for Chippewa County was \$218,537.59.

Figure 8, titled “Chippewa County Responsible Unit Recycling Grant Awards 1990-2018” shows the total grant award for the Chippewa County Responsible Unit from 1990-2018.



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## **1. INTERGOVERNMENTAL AGREEMENT WITH THE CITY OF CHIPPEWA FALLS**

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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.

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## **B. INFORMATION AND EDUCATION PROGRAM**

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

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### **1. GENERAL PUBLIC INFORMATION AND OUTREACH**

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During 2018, 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.
- Provided all RUs the opportunity to participate in the “We Recycle Please Don’t Litter” signage program.
- 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.

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## 2. BUSINESS AND INSTITUTIONAL RECYCLING EVALUATION PROJECT

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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.

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### LARGE EVENT RECYCLING PROJECT

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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 2018 regarding this project.

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### CONVENIENCE STORE RECYCLING PROJECT

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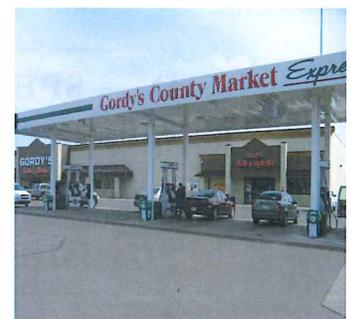
This project is a continuation of a 2005 pilot project. Holiday stores started a “recycling away from home” program with Chippewa County Recycling Program’s assistance. Recycling bins provided by Chippewa County and maintained by the stations were placed at the pumps. In 2008, recycling bins were placed 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.

In 2018 a sampling of seven of the stations were visited briefly while other recycling business was conducted in the area. A total of additional nine recycle bins were distributed to four of these sites. An informative “Best Practices and Tips” Thank You postcard was designed and distributed to all Chippewa County participating convenience stores during 2018.



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## **FLUORESCENT BULB RECYCLING PROJECT**

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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 fluorescent bulbs at the Clean Sweep events as well as throughout the year at the participating hardware stores across the county.

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## **C. ORDINANCE ADMINISTRATION, COMPLIANCE, AND ENFORCEMENT**

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During 2018, 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 2018, the Chippewa County Recycling Program reviewed and approved plans for the Chippewa Valley Music Festivals and conducted an onsite follow-up inspection.

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## **D. SPECIAL COLLECTION PROGRAMS**

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## **ROADSIDE DITCH CLEAN UP PROJECT**

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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 and conducted by the town. The allocation for each town is used to offset hourly wages for town workers and equipment usage hours.

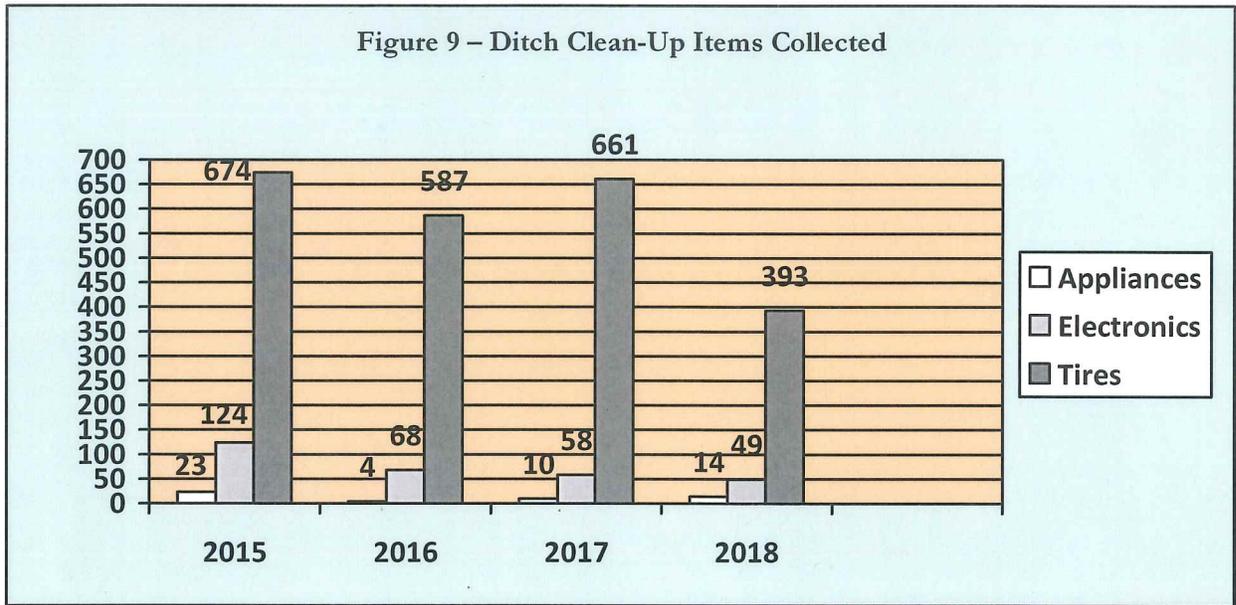
This seasonal roadside cleanup activity is not intended as an extension of normal recycling collection. Town clerks and patrolman record and report recyclable material type and volume collected from town road ditches.

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 2018 Ditch Clean-Up Project:	\$7,000 (\$500 x 14)
Disposal Cost:	\$1,786
Total cost of 2018 Ditch Clean-Up Project:	<u>\$8,786</u>

Amount budgeted to fund  
the 2018 Ditch Clean-Up Project: \$10,000

Figure 9 titled, “Ditch Clean-Up Items Collected” shows the number of items collected from all township sites.



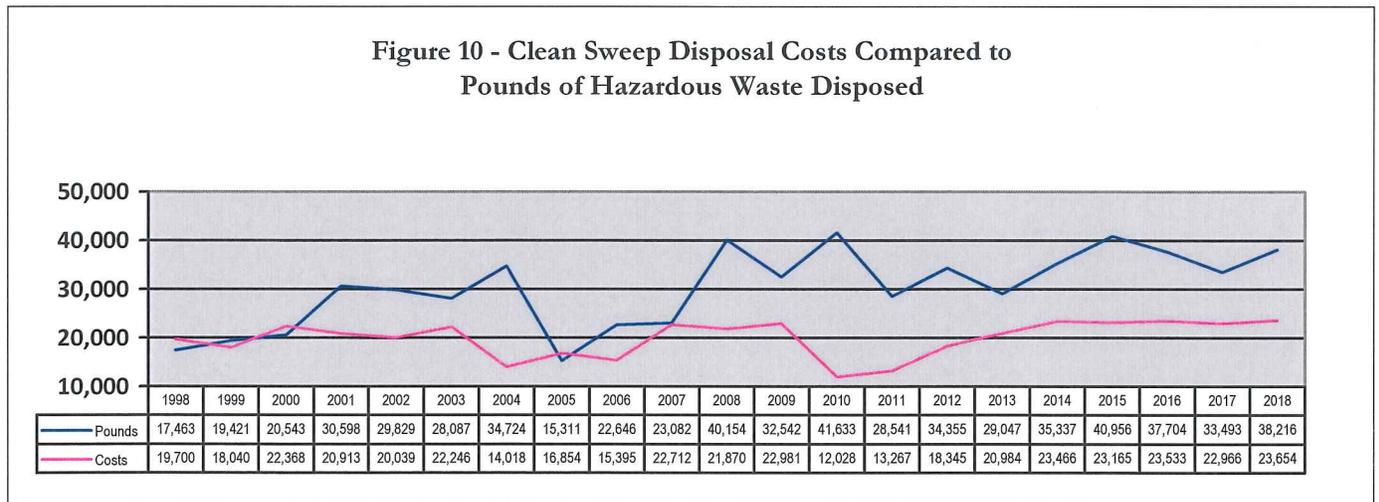
## HOUSEHOLD HAZARDOUS WASTE CLEAN SWEEP

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 2018 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 596 participants brought in a total of 39,096 pounds of household hazardous waste for disposal at a cost of \$23,654. 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. Seventeen small businesses participated in the VSQG with the average participating weight of 388 pound per business. Hazardous waste from farmers was collected through the Clean Sweep. There was a 56% increase in the number of bulbs accepted in 2018 over 2017. Chippewa County received a grant for \$10,415 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.



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## APPLIANCE COLLECTION

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During 2018, for the twenty-second year, Chippewa County held its Appliance Round-ups. Appliances were collected from 8 a.m. to noon on April 14 and October 13 in Chippewa Falls. Total pounds of appliances collected from the two events combined were 44,675 pounds with 630 Chippewa County residents served. Residents were charged a modest fee to cover the disposal of appliances at the April collection date. By October only freon appliances were assessed a \$15 fee. All other appliances were accepted with no cost to Chippewa County residents.



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## ELECTRONICS (E-WASTE) RECYCLING

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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.

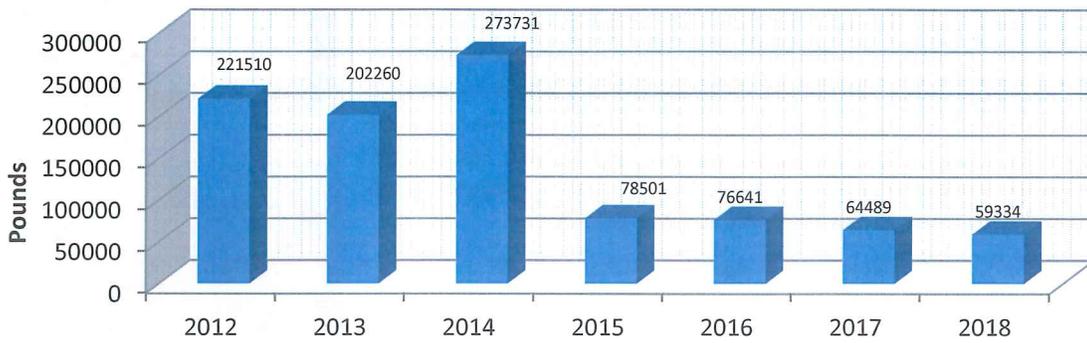
After this law and until they closed in 2014, the Bloomer and Lafayette Recycling Centers served as permanent electronics recycling sites for Chippewa County residents and businesses. Contract changes with the E-waste hauler precipitated the site closings. Residents may still recycle electronics twice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

In 2018, 59,334 lbs. or 29.67 tons of E-waste was collected and recycled from 630 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 2012-2018.

**Figure 11 - Chippewa County Electronics Collection Summary**

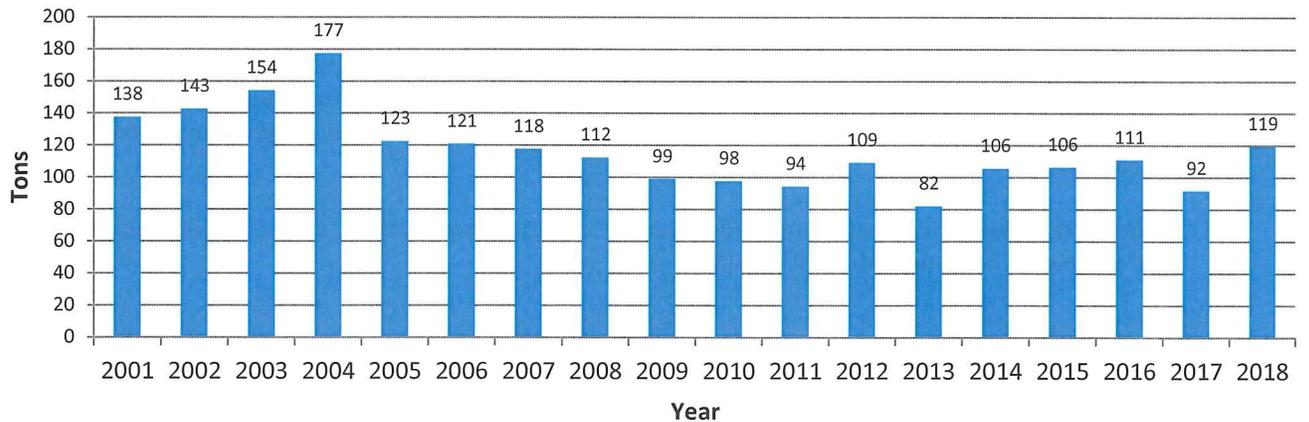


**PERMANENT TIRE COLLECTION PROGRAM**

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).

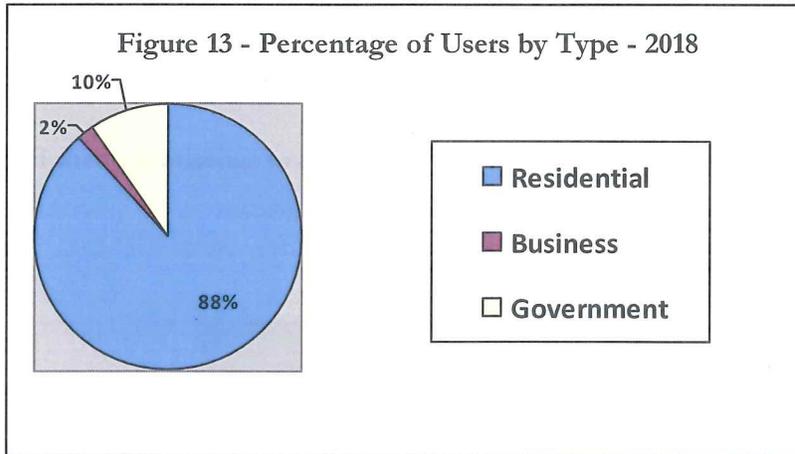
Figure 12, titled “Tons of Tires Collected by Year,” indicates the total tonnage of tires collected at the Chippewa County Waste Tire Sites from 2001-2018.

**Figure 12 - Tons of Tires Collected by Year**



During 2018, the program was operated at two sites for a total of thirteen events from April to October. A total of 119.45 tons of waste tires were collected from 153 residents, businesses and government agencies. The objective of the tire disposal program is to set the fees at a break-even price to keep the program affordable with little or no impact on the Recycling Program budget.

Figure 13, titled “Percentage of Users by Type – 2018,” shows the number of users by type at the Lafayette and Cornell tire sites.



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## PHARMACEUTICAL COLLECTION

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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.



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## AG PLASTICS

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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 was originally collected on a scheduled route that varies from four to six weeks but that has changed to a “Call in When Full” collection model for all customers. 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 140,570 lbs. or 70.3 tons of agricultural plastic from 40 Chippewa County farms.

