

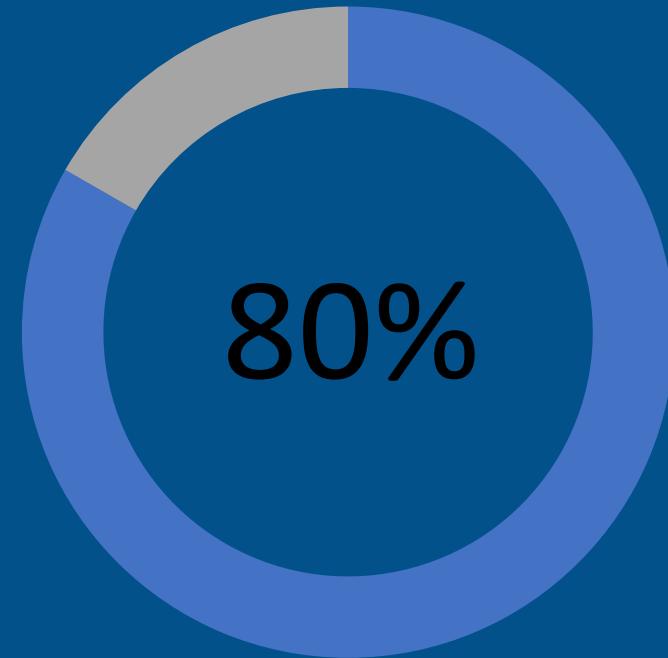
A circular logo with a blue gradient background. Inside the circle, the words "City of" are stacked above "Minot" and "Recycles". The "Minot" text is identical to the one in the top-left corner, and "Recycles" is in a bold, sans-serif font. A small five-pointed star is located between "Minot" and "Recycles".

**City of
Minot
Recycles**

RECYCLING UPDATE

FEBRUARY 5, 2024

PARTICIPATION



TOTAL DELIVERED = 12,302
TOTAL OPT OUT = 2,466

❖ Average Set Out Rate

August

- Mon/Thurs = 63%
- Tues/Fri = 71%

(+/- 5% due to breakdowns and alley collections)

October

- Mon/Thurs = 71%
- Tues/Fri = 70%

December

- Mon/Thurs = 66%
- Tues/Fri = 69%



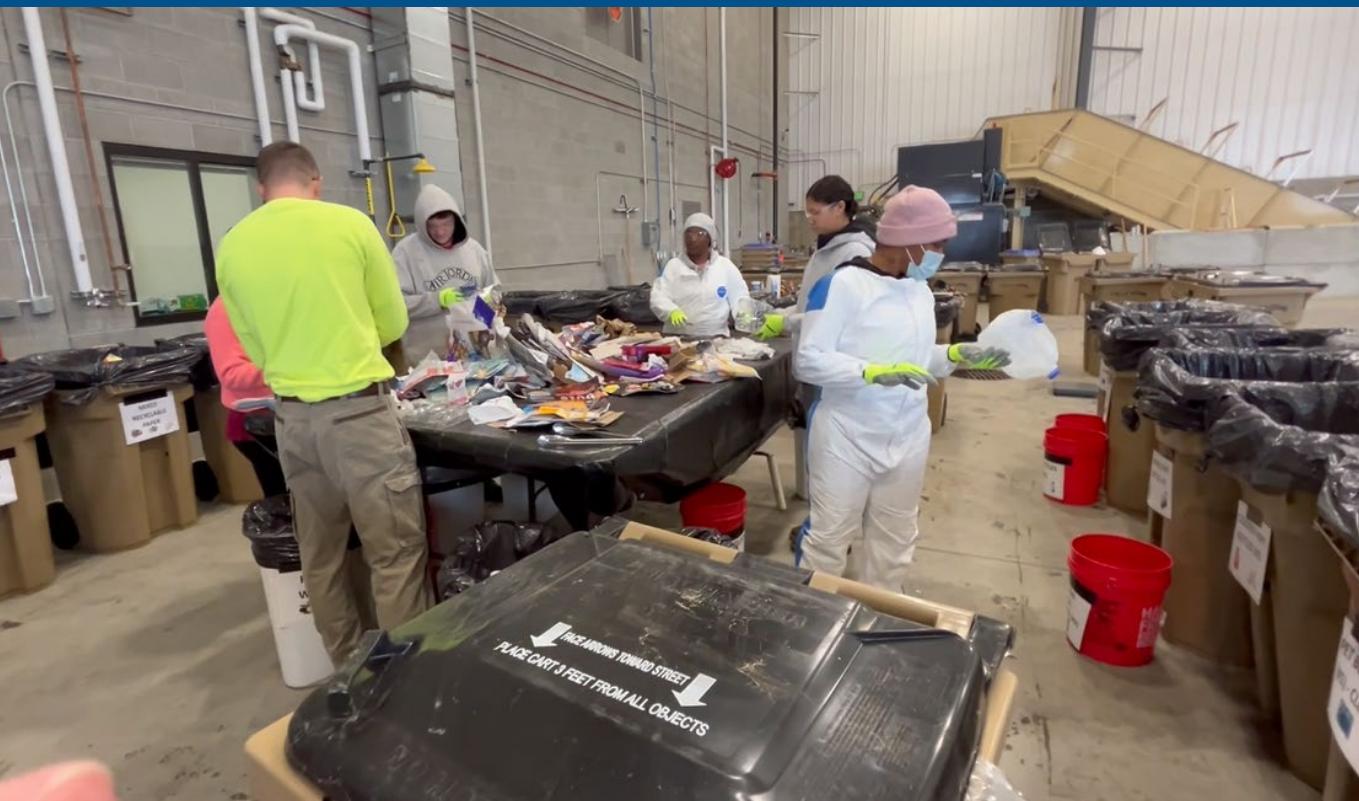
COMPOSITION STUDY

- Recycling Partnership grant funded a complete trash/recycling composition study

Key Findings

Recycling Stream

- Over 62% Recycled Paper and Cardboard
- 20% Recyclable Containers (plastic bottles, steel/tin/aluminum cans)
- 17% Contaminants
 - High percentage of Wet Paper and Cardboard due to weather conditions



Trash Stream

- Nearly 20% Recyclables
- About 33% Compostable Material
- 50% Other Garbage (pet waste, plastic film, diapers, textiles, etc)



Capture Rates

- 38.6% Program Recyclables
- 69% Corrugated Cardboard
- 46.7% Recyclable Paper
- 25% Recyclable Containers

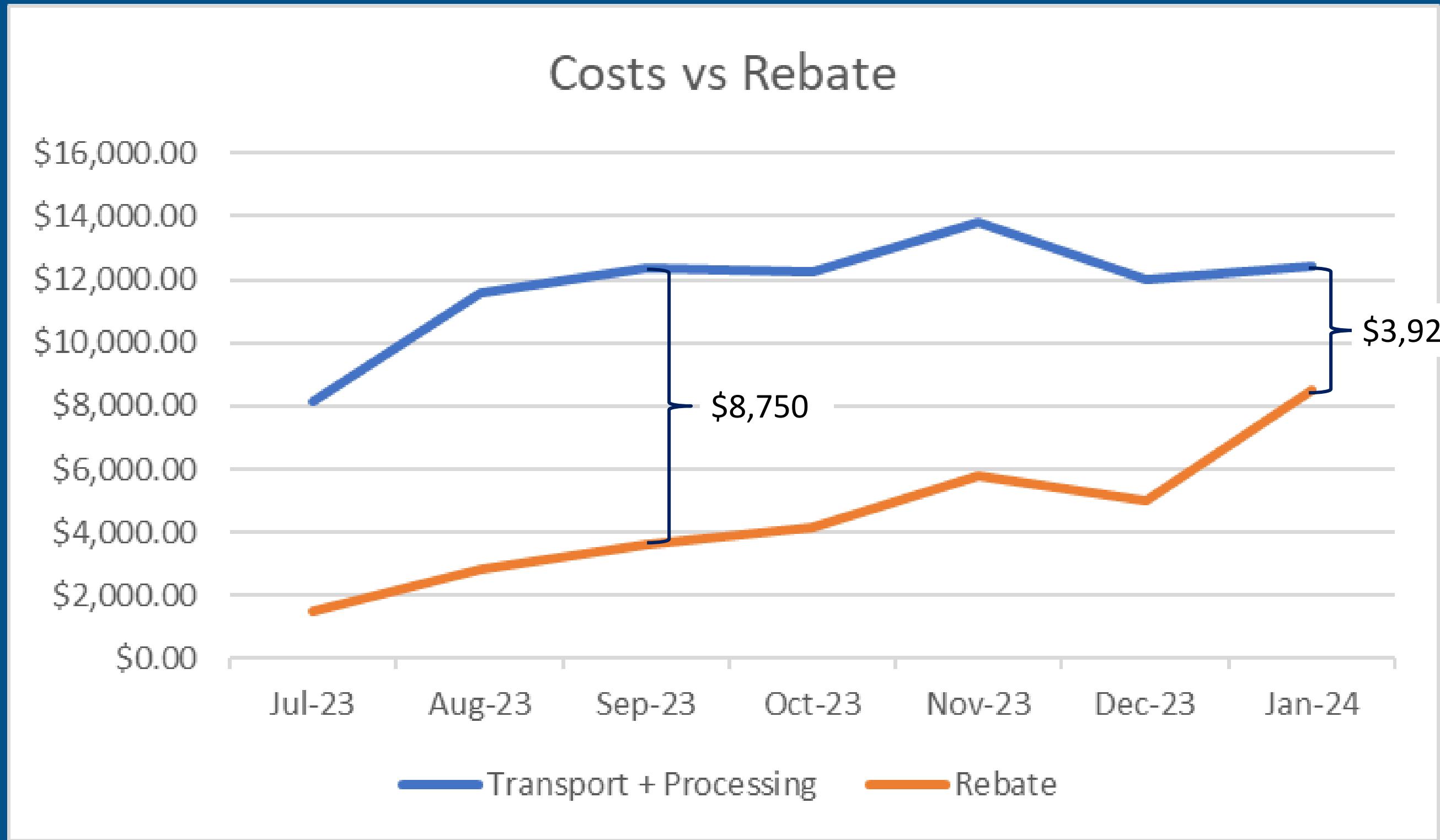
COMMODITY PRICES

- New program for Dem-Con
- Initially rebate based on facility average
- Minot's sort took place on (12/11/23)
- Minot's material is generally clean and has very little glass
- Rebate increased from \$57.23/ton to \$90.56/ton (if commodity value stays the same)

EXAMPLE RATE CALCULATION

Commodity	Facility Average	Value	Commodity Rebate		Commodity Rebate	
			Minot	Sort	Minot	Sort
OCC	24.50%	\$ 80.00	\$ 19.60		23.16%	\$ 18.53
ONP #8			\$ -			\$ -
Mixed Paper			\$ -			\$ -
Other Fiber Combined	35.40%	\$ 45.00	\$ 15.93		46.56%	\$ 20.95
AL Foil			\$ -			\$ -
Aluminum			\$ -			\$ -
Aluminum Combined	1.58%	\$ 1,371.00	\$ 21.66		3.19%	\$ 43.73
GHP Steel			\$ -			\$ -
Steel Scrap			\$ -			\$ -
Steel Scrap Combined	1.13%	\$ 27.11	\$ 0.31		0.98%	\$ 0.27
Steel Cans	2.30%	\$ 171.66	\$ 3.95		3.12%	\$ 5.36
PET	4.20%	\$ 249.04	\$ 10.46		6.17%	\$ 15.37
HDPE	1.10%	\$ 597.01	\$ 6.57		1.82%	\$ 10.87
HDPEC	0.90%	\$ 471.51	\$ 4.24		1.38%	\$ 6.51
Film			\$ -			\$ -
Other Plastics			\$ -			\$ -
Other Plastics Combined	0.61%	\$ 116.00	\$ 0.71		1.05%	\$ 1.22
Mixed Rigid	0.55%	\$ 16.00	\$ 0.09		0.26%	\$ 0.04
Glass	16.40%	\$ (15.84)	\$ (2.60)		0.55%	\$ (0.09)
Aseptic/Gable Top	0.18%	\$ 56.00	\$ 0.10		0.32%	\$ 0.18
Residuals			\$ -			\$ -
Presort Trash			\$ -			\$ -
Residue Combined	11.15%	\$ (85.00)	\$ (9.48)		11.44%	\$ (9.72)
		ACR	\$ 71.54		ACR	\$ 113.202
		Rebate (80%)	\$ 57.23		Rebate (80%)	\$ 90.56

RECYCLING VALUE AND REBATES



Processing = \$77.00/ton

Transport = ~\$140.00/ton

Rebate = \$90.56/ton

***The rebate will fluctuate depending on market values

Over the past 3 years the rebate has varied from a low of \$20-\$30/ton to a high of over \$150/ton

In 2021 mixed paper was -\$10/ton

WHAT'S NEXT?

- Continue Education
 - Help reduce contaminants
 - Increase capture rates of higher value materials
- Increase Participation
 - Minot Residential
 - Commercial Program
 - Regional Access
- Continue Monitoring and Make Improvements as Needed



QUESTIONS?

City of Minot
North Dakota