

## 2022 Recycling Report

**\*Village of Glendon came on board April 1, 2017 (4 cardboard, 2 paper, 1 plastic)**

### Cardboard

- Currently – 59 – 6-yard bins located at 7 transfer stations & 16 bin sites
- 2022 – recycled 137,820 kg
- 2021 – recycled 141,990 kg
- 2020 – recycled 105,330 kg
- 2019 – recycled 114,333 kg – delivered to Cold Lake Landfill beginning October 2019
- 2018 – recycled 116,810 kg
- 2017 – recycled 106,210 kg
- 2016 – recycled 108,890 kg
- 2015 – recycled 76,290 kg
- Collected every week and was delivered to Cold Lake Recycling for \$250/load
- Cold Lake Landfill charges \$25.00/tonne

### Plastic

- Currently – 26 – 6-yard bins located at 7 transfer stations & 13 bin sites
- 2022 – recycled 17,600 kg
- 2021 – recycled 13,430 kg
- 2020 – recycled 15,940 kg
- 2019 – recycled 22,638 kg – delivered to Cold Lake Landfill beginning October 2019
- 2018 – recycled 27,870 kg
- 2017 – recycled 24,460 kg
- 2016 – recycled 27,320 kg
- 2015 – recycled 11,170 kg
- Collected every 3-4 weeks and WAS delivered to Cold Lake Recycling for \$650/load
- Cold Lake Landfill charges \$25.00/tonne

### Paper

- Currently – 14 – 6-yard bins located at 7 transfer stations & 6 bin sites
- 2022 – recycled 22,680 kg
- 2021 – recycled 19,510 kg
- 2020 – recycled 14,210 kg
- 2019 – recycled 19,420 kg - delivered to Cold Lake Landfill beginning October 2019
- 2018 – recycled 26,520 kg
- 2017 – recycled 29,040 kg
- 2016 – recycled 35,310 kg
- 2015 – recycled 13,880 kg
- Collected approximately every 3-4 weeks and delivered to Cold Lake Recycling for \$350/load
- Cold Lake Landfill charges \$25.00/tonne

### **Tin Cans**

- Currently – 11 – 6-yard bins located at 7 transfer stations & 3 bin sites
- 2022 – recycled 5,820 kg
- 2021 – recycled 5,860 kg
- 2020 – recycled 850 kg – delivered to Cold Lake Landfill beginning in January for \$25.00/tonne
- 2019 – began hauling to Cold Lake Recycling as they create mess and degrade the metal piles

### **Recycling Fees for Cardboard, Plastics, Paper, Tin Cans – City of Cold Lake**

- **\*Prior to 2020 these items as well as Twine were sent to Cold Lake Recycling for processing**
- **2022 – \$5,213.15**
- **2021 – \$4,606.00**
- **2020 – \$3,408.25 City of Cold Lake**
- 2019 - \$37,826.25
- 2018 - \$32,339.70
- 2017 - \$25,620.00
- 2016 - \$25,100.00
- 2015 - \$27,103.25

### **Glass**

- Currently – 10 – 6-yard bins located at 7 transfer stations & 3 bin sites
- Collected every 3-4 months and delivered to the glass bunker at La Corey

### **Metal**

- 2022 – 271.1 tonnes from all landfills (\$11,387 revenue)
- 2021 – 451.1 tonnes from all landfills (\$13,756 revenue)
- 2020 – none
- 2019 – 1,051.1 tonnes from all landfills
- 2018 – 44.8 tonnes from La Corey
- 2017 – 816.1 tonnes from Fort Kent, Hilda Lake, and the boneyard
- 2016 – none
- 2015 – 730.8 tonnes from La Corey, Ardmore, Fort Kent, Therien, and Goodridge

### **Used Oil**

- 4 landfill sites and the M.D. shop have used oil, filters, and plastics collection.
  - Ardmore, La Corey, Goodridge, and Therien
- GFL and then E360 in the Fall – collect all our material
- 2022 – 29,200 L collected, 2,688 kg of filters, 1,340 kg of plastics, 1,186 kg of pails
- 2021 – 18,450 L collected, 11 drums of filters
- 2020 – 5,206 L collected, 15 drums of filters, 49 bags of plastics, 326 pails
- 2019 – 14,604 L collected, 42 drums of filters, 221 bags of plastics, 2136 pails
- 2018 – 16,153 L collected, 29.5 drums of filters, 151 bags of plastics, 960 pails
- 2017 – 32,537 L collected. AUOMA cutbacks. No rebate. Saved \$599.91 on chargeable collection. 34 drums of filters, 129 bags of plastics, 1053 pails
- 2016 – 30,819 L collected. Received \$1,110.00 from materials collected.
- 2015 – 19,243 L collected. Received \$718.87 from materials collected.

## Paint & HHW

- DBS Environmental collects and processes our paint and HHW for recycling
- Paint and HHW recycling bins are located at all 7 of our landfill sites
- Paint fees removed in 2021 (\$160 fee per paint bin in 2020)
- Price – \$934.02/bin \$856.90 exchange fee per HHW bin plus disposal fees
- 2022 – 1,506 kg of paint (Revenue – \$361.02) – HHW – 307kg (cost \$2,279.29)
- 2021 – 5,794.19 kg of paint (Revenue - \$1,174.00) – 468.30 kg of HHW
- 2020 – 13,068.58 kg of paint (Revenue - \$643.00) – 4,422.41 kg of HHW
- 2019 – 8,846.1 kg of paint (Revenue - \$1,438.45) – 3,185.69 kg of HHW
- 2018 – 6,563.8 kg of paint (Revenue - \$1,051.95) – 2,246.39 kg of HHW
- 2017 – 6,570 liters of paint (Revenue - \$1033.20) – 1,706.77 kg of HHW
- 2016 – 10,794 liters of paint (Revenue – \$969.35)
- 2015 – 17,898 liters of paint
- 2014 – 16,234 liters of paint
- 2013 – 17,059 liters of paint

## Electronics Recycling

- 2022 – recycled 23,180 kg (expecting \$3,266.80)
  - Just received our 2022 documentation in February 2023
  - Program material – 13,044 kg
  - Pilot material – 10,136 kg
- 2021 – recycled 24,807 kg (Revenue - \$4,253.54)
  - Program material – 16,338 kg (\$180/tonne between ARMA and Shankel)
  - Pilot material – 8,469 kg (\$155/tonne)
- 2020 – recycled 12,900 kg (Revenue - \$3,817.00) – 674 kg pilot program electronics
- 2019 – recycled 14,374 kg (Revenue - \$3,613.24)
- 2018 – recycled 12,234 kg (Revenue - \$1,287.96)
- 2017 – recycled 15,236 kg (Revenue - \$2,991.46)
- 2016 – recycled 12,502 kg (Revenue - \$2,233.37)
- 2015 – recycled 25,147 kg
- 2014 – recycled 20,946 kg
- 2013 – recycled 17,300 kg

## DBS Environmental

- **2022 –\$2,279.29 to collect and process and HHW**
- **2021 - \$1,444.76 to collect and process paint (\$0 in 2021) and HHW**
- 2020 – \$27,782.39 to collect and process paint and HHW
- 2019 – \$13,707.22 to collect and process paint and HHW
- 2018 – \$10,1630.50 to collect and process paint and HHW
- 2017 – \$7,960.38 to collect and process paint and HHW
- 2016 – \$5,938.35 to collect and process paint and HHW

### **Tire Recycling**

- 2022 – 7,484 total (waiting on a conversion still from Liberty Tire to convert to KG's)
  - 1243 medium truck tires (tractors and trailers)
  - 5336 passenger light truck tires
  - 905 offroad (Ag, ATV)
- 2021 – 8,684 total – ARMA changed tracking to tire count
  - 1894 medium truck tires (tractor and trailers)
  - 5415 passenger light truck tires
  - 1375 offroad tires (Ag, ATV)
- 2020 – recycled 127.9 tonnes of tires
- 2019 – recycled 11.10 tonnes of tires
- 2018 – recycled 120.32 tonnes of tires
  - Received \$30,000 grant for tire marshalling area at Hilda Lake
    - Completed spring 2019
- 2017 – recycled 24.74 tonnes of tires
  - Received \$30,000 grant for tire marshalling area at Fort Kent
    - Completed summer 2017
- 2016 – recycled 69.93 tonnes of tires
  - Received \$30,000 grant for a tire marshalling area at Therien
    - Completed summer 2016

### **Propane Tank Recycling**

- 2022 – 2,136.6 kg of tanks (\$940.00 in revenue from Rapid Gaz)
- 2021 – 1,254.0 kg of tanks (100lb tanks sent to slice and dice metal along with Balloon Time helium tanks)
- 2020 – 2,746.4 kg of tanks (100lb tanks sent to Slice and Dice Metal)
- 2019 – 4,782.6 kg of tanks (100lb tanks sent to Slice and Dice Metal)
- 2018 – 3,883.6 kg of tanks picked up by Tank Traders
- We have a propane tank storage site at Fort Kent that we use as a central location for all the landfills.

### **Compost**

- Currently – 16 – 6-yard bins located at 2 landfills and 7 bin sites
- Compost is collected every 2-3 weeks in the spring, summer, and fall and delivered to the pile at Ardmore landfill
- Compost is also piled at Therien and Muriel Lake landfills
- The collection at Ardmore will be used for Class 3 pit reclamation
- Issues with the compost collection are contamination from plastic bags and improper materials
  - Big stickers put on bins in 2019 doesn't seem to help much

### **Grain Bag Recycling**

- 2022 – 18 bales were rolled but were not shipped
- 2021 – 24,000 kg – 120 bales shipped to Lethbridge
- 2020 – 10,800 kg – 55 bales shipped to Lethbridge
- 2019 – 10,600 kg – 43 bales shipped to Alberta Recycling and Waste
  - selected as 1 of 20 collection sites in the province for Ag Plastics Recycling Pilot Program
- 2018 – rolled 29 bales of grain bags – DBS picked up and shredded – no charge

### **Twine Recycling Program**

- 2022 – none shipped
- 2021 – none shipped
- 2020 – 1,540 kg – twine numbers are down in the area. Most material is now bale wrap or net wrap which is being stockpiled in the yard.
- 2019 – selected as 1 of 20 collection sites in the province for Ag Plastics Recycling Pilot Program
- Twine is collected at all landfills and hauled to our collection site in the Public Works yard. We supply the landfills with twine bags to give out to producers who use the program at no charge.
  - No added costs to us. Saving \$650 tipping fee per bin at Cold Lake Recycling.
- 2019 – 14,000 kg - \$6,650.00 (\$4,550.00 tipping + \$2,100.00 hauling)
- 2018 – 13,800 kg
- 2017 – 17,900 kg
- 2016 – 15,070 kg
- 2015 – 21,863 kg

### **Mattress Recycling (5,358 total in 5.5 years)**

- 2022 – 32,775 kg – 1311 mattresses recycled
  - \$39,094.75 - \$29.82/unit average costs of shipping and recycling
- 2021 – 30,425 kg – 1217 mattresses recycled
  - \$33,237.56 - \$27.31/unit average cost of shipping and recycling
- 2020 – 25,975 kg – 1039 mattresses recycled
  - \$27,736.00 - \$26.69/unit average cost of shipping and recycling
- 2019 – 15,325 kg – 613 mattresses recycled – started hauling to Technotrash in Taber
  - \$15,388.60 – \$25.10/unit average cost of shipping and recycling
- 2018 – 17,100 kg – 684 mattresses recycled
  - purchased 4 sea cans for Hilda Lake, Therien, Goodridge, and Fort Kent
  - \$22,860.00 – \$33.42/unit
- 2017 – 10,575 kg – 423 mattresses
  - purchased 2 – 40' sea cans for mattress storage and hauling
  - June 1, 2017 – started collecting mattresses at each of the landfills, haul to La Corey and Ardmore, and stack into sea cans
  - \$15,150.00 – \$35.82/unit average cost of shipping and recycling

### **Freecycle – Give and Take Shed**

- Currently – freecycle buildings at all landfills
- Items deemed to be junk are disposed of every few weeks by staff

<b>Revenue</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>
Village of Glendon	\$3,500.00	\$3,500.00	\$3,500.00
Electronics	\$3,266.80	\$4,253.54	\$3,817.00
Paint	\$361.02	\$1,174.00	\$643.00
Metal	\$11,387.00	\$13,756.00	
Propane	\$940.00		
<b>Total Revenue</b>	<b>\$19,454.82</b>	<b>\$22,683.54</b>	<b>\$7,960.00</b>
<b>Expenses</b>			
City of Cold Lake	\$5,213.15	\$4,606.00	\$3,408.25
Mattresses	\$39,094.75	\$33,237.56	\$27,736.00
HHW	\$2,279.29	\$1,444.76	\$27,782.39
<b>Total Expenses</b>	<b>\$46,587.19</b>	<b>\$39,288.32</b>	<b>\$58,926.64</b>
<b>Net Cost of Recycling</b>	<b>\$27,132.37</b>	<b>\$16,604.78</b>	<b>\$50,966.64</b>