

# Multi-Material Stewardship Western

## Greenhouse Gas Reporting Webinar

Depot, Curbside, Multi-family  
**COLLECTION**

November 23, 2021

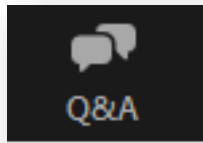
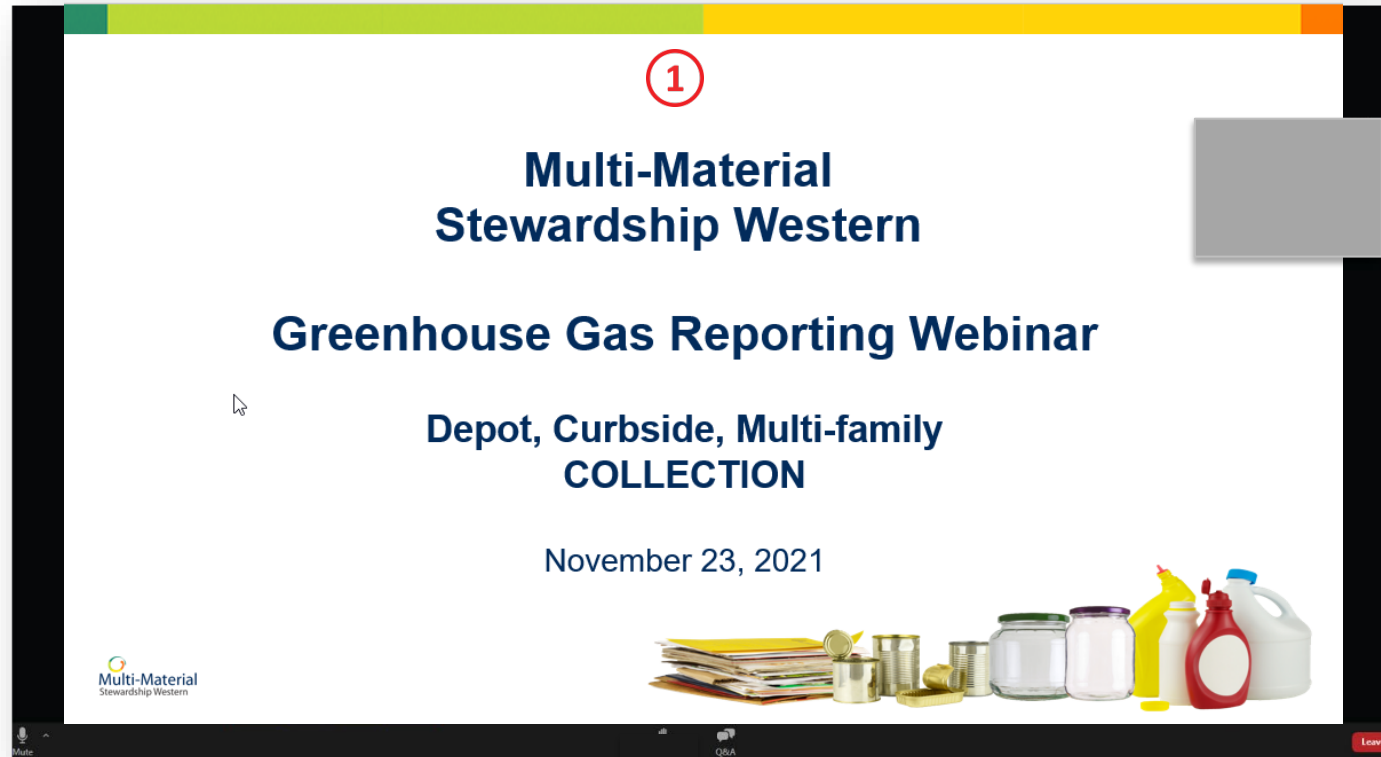


# Agenda

- Webcast - Zoom
- Introduction: What, Why, When, Where
- What's new for 2021
- GHG reporting for depot programs
- GHG reporting for curbside & multi-family programs
- Q&A
- Resources and Contacts

# Webcast Information

- ① Main screen displays slides
- ② Speaker will be on video
- ③ Submit your questions using the Q&A button in toggle bar



Technical issues? Send a note using the Q&A button

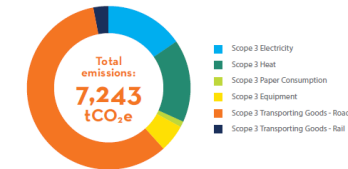
# Introduction

- Thank you!
  - Successful first year of GHG reporting
  - Baseline data in 2020 annual report
- 2021 Reporting
  - Mostly unchanged from 2020
  - Submit data to WeRecycle Portal by January 31, 2022
- Post-Collection webinar today
  - Materials on website GHG page

## Program Performance

The Saskatchewan Household Packaging and Paper Stewardship Regulation outlines performance measures that must be reported by MMSW on an annual basis. Tracking and reporting on key performance metrics is important to ensure stakeholders have the information they need to assess the performance of the program and compare performance year over year.

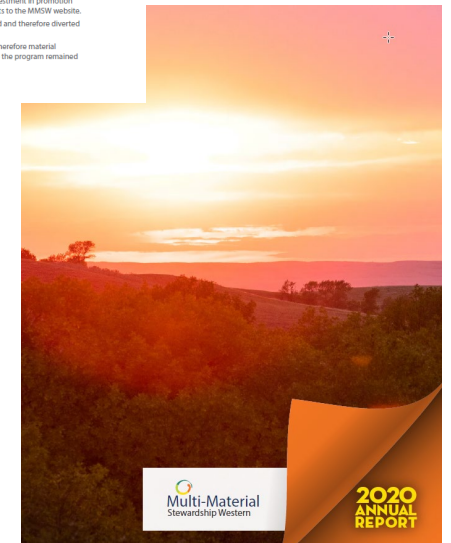
MMSW is now tracking and reporting on the greenhouse gas (GHG) emissions associated with the program's collection and recycling of residential waste packaging and paper. Based on the data provided by our collection and post-collection partners, in 2020 the total GHG emissions associated with the MMSW program are 7,243 tonnes of CO<sub>2</sub> equivalent. This represents baseline data against which future years emissions can be assessed.



Most of MMSW's GHG emissions come from indirect sources operated by other entities, mainly municipal service providers and their subcontractors. These are referred to as Scope 3 sources. Scope 1 refers to direct GHG emissions from MMSW and Scope 2 refers to indirect emissions associated with the generation of electricity, heating/cooling, or steam purchased for the organization's consumption. MMSW's Scope 1 and 2 emissions are negligible compared to Scope 3 emissions.

The following are highlights of 2020 performance outlined in the table below:

- Due to the unknown impacts of the COVID-19 pandemic, MMSW took a financially conservative approach to promotion and education activities resulting in a decrease in investment in promotion and education in 2020 as compared to 2019 which resulted in a decline in visits to the MMSW website.
- For the first time MMSW is reporting on both the total tonnes of WPP recycled and therefore diverted from landfill and the tonnes of WPP recycled by material category.
- The updated payment model implemented in 2019 is in effect for two years therefore material management costs, fees collected from members and funds spent to operate the program remained relatively flat in 2020 as compared to 2019.



# What is GHG?

- Compound gases that trap heat in the atmosphere
- GHG emissions are generated from the burning of fossil fuels across a variety of activities associated with the operation of your residential recycling program
- Also includes the emissions associated with the manufacturing of paper products (flyers, brochures, utility bill inserts, etc.) which may be used in the promotion and education portion of your residential recycling program

# Why GHG Reporting?

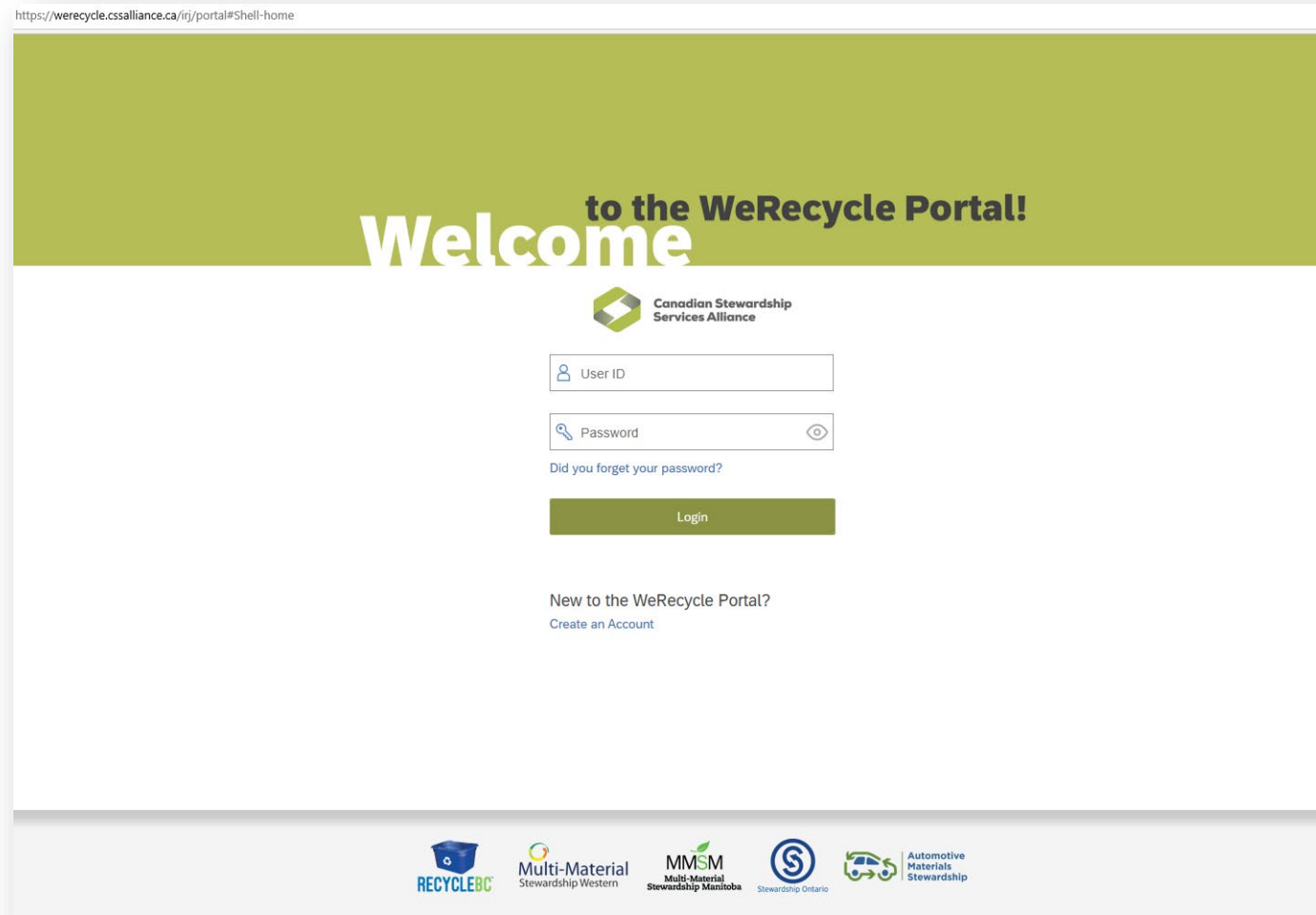
- Ministry of Environment's Waste Packaging and Paper Stewardship **Regulation**
- Data enables calculation of GHG emissions associated with the collection and processing of residential waste packaging and paper (WPP) in Saskatchewan, as outlined in the **Waste Packaging and Paper Stewardship Plan** (See section 4.6.2)
- GHG is a reporting obligation for collectors under the **Services Agreement** Section 7.2(b)

# When are reports required?

- Annual schedule unchanged
  - Data can be submitted anytime
- GHG report is due by **January 31, 2022** and will include GHG emissions data from **January 1, 2021 to December 31, 2021**



# Where Do You Report GHG?



\*Please refer to our [GHG Portal User Guide](#) for more information on submitting your GHG report via the [WeRecycle Portal](#).



# What's new for 2021



## WeRecycle Portal Enhancements

- **Upload Spreadsheet**
  - Excel template adds tabs for instructions and list of originating sites
- **Sort and Filter**
  - New options for managing list of GHG emission data categories
- **Methodology**
  - Supporting documents can be attached directly to Portal
- **Year Over Year Comparison**
  - Please compare your reported figures to the previous year and share any additional relevant information regarding what has contributed to a substantial change
- **Shipping to End Market**
  - Three options now available for distance and weight

# GHG Data Reporting - Collection

Depot, Curbside & Multi-family



# GHG Data for Collection Report

- Generally, GHG data will come from three activities:
  - **Fleet** (collection vehicles),
  - **Facilities** (buildings, equipment, electricity, heating), and
  - **Supplies** (paper for recycling guides, etc.)

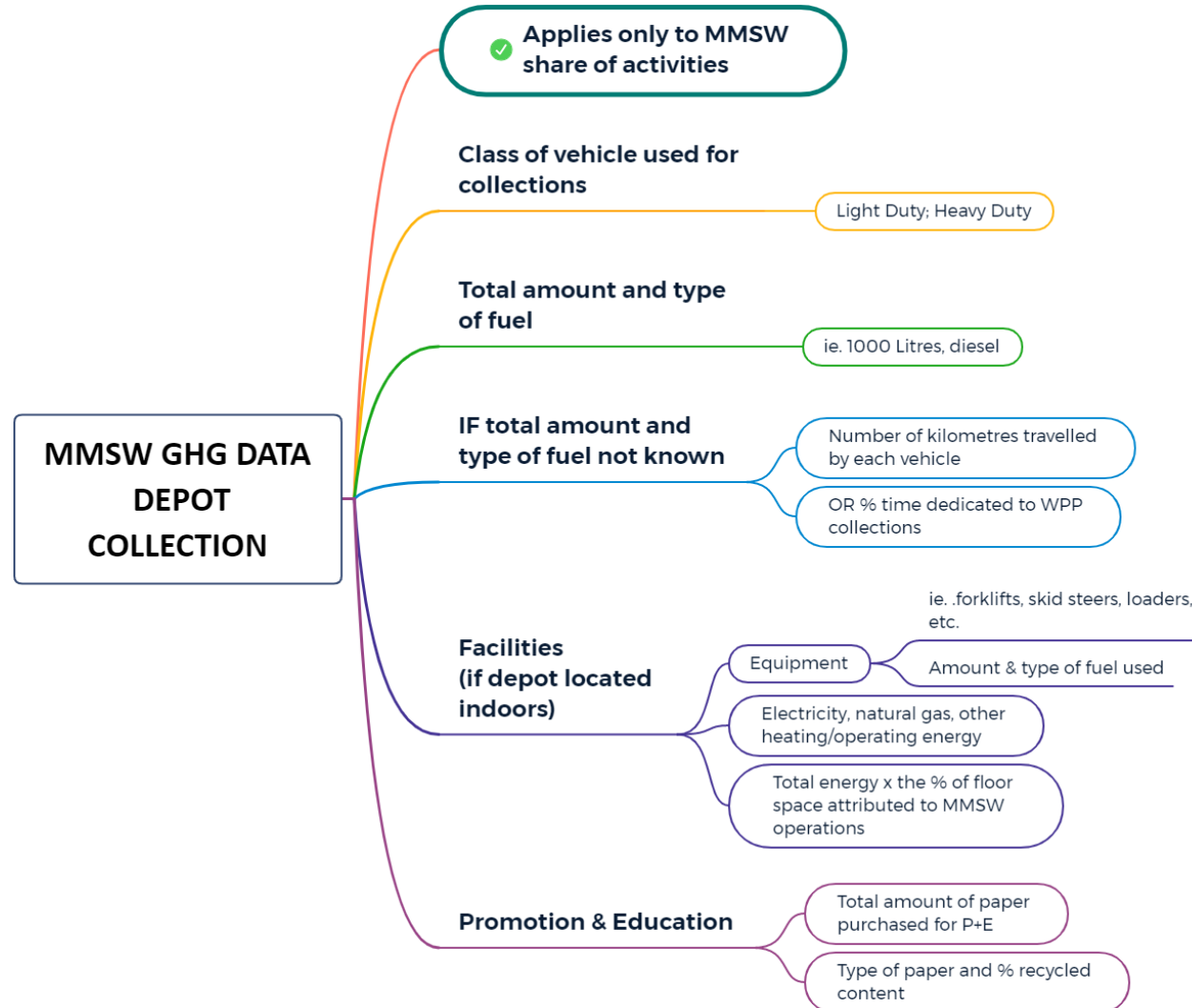
# Working With Your Sub-Contractor

- As a municipality, regional waste authority or Indigenous community providing residential WPP recycling service, do you directly:
  - Collect WPP from residents via depot service?
  - Collect WPP from residents via curbside service?
- If the answer to any of the above is ‘no’, then you will need to work with your sub-contractor to obtain the required GHG data from those activities

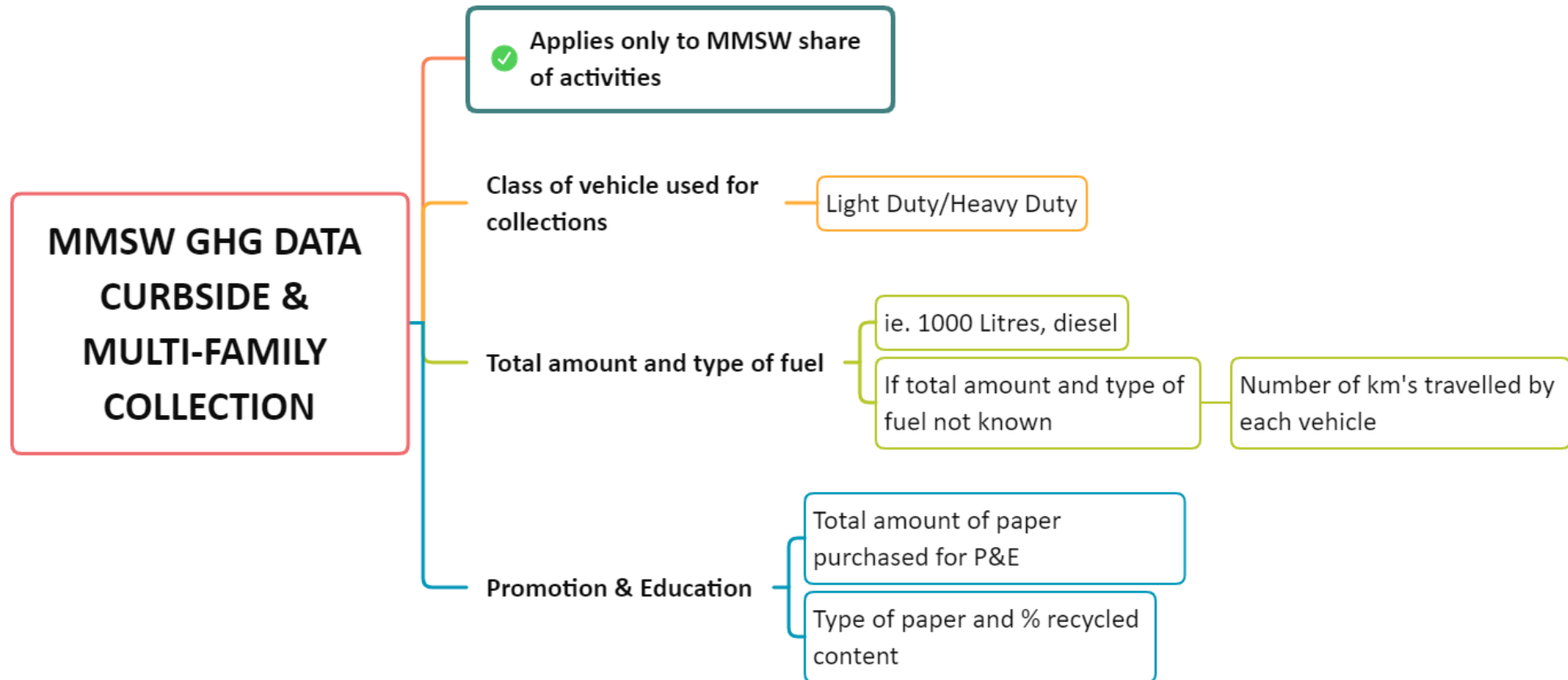
# Regional Waste Authorities

- If you are a Regional Waste Authority, GHG data can be reported for your entire membership in aggregate.
- You do not need to report GHG data on a per-member basis.

# GHG Reporting for Depot Programs



# GHG Reporting for Curbside & Multi-family



# Upload Spreadsheet

- Collectors have the option to use this spreadsheet to enter GHG data then upload all information at once

The screenshot displays the user interface of the Canadian Stewardship Services Alliance. At the top, the header includes the organization's logo, the text 'Canadian Stewardship Services Alliance', and a 'Home' link. Below the header, the user is identified as 'Test User | Test City SK' and the environment is 'Test Environment'. A navigation menu contains 'Reporting', 'Report Status', 'Account Management', and 'Support'. The main content area features five primary action cards: 'Key in Your Report', 'Continue Report' (showing 0 draft documents), 'Submit Information Report', 'Attach Report as Spreadsheet' (highlighted with a red box), and 'Attach Supporting Document'. A 'Document Attachments' card is also visible in the lower-left corner. The 'Multi-Material Stewardship Western' logo is positioned in the top right corner.



# Upload Spreadsheet

Introduction of three new worksheet tabs:

1. *Instructions-GHG reporting tab* has all the instructions and description about how to fill the GHG report and upload it to the portal
2. *Instructions-Material reporting tab* has all the instructions and description about how to fill the Materials report (Claims Reporting)
3. *Originating sites tab* has the list of all the originating site associated with the contract

The screenshot shows an Excel spreadsheet titled "Reporting Upload - Data Entry Sheet". The spreadsheet has the following columns: Contract Number, Document Number, Service Type, Reference, Comments, Reporting Period Start (DDMMYYYY), Reporting Period End (DDMMYYYY), Originating Site Name, Originating Site Postal Code, Not Applicable, Not Applicable, Emission Type, Type of Measurement, Not Applicable, % attributed to MMSW, and Quantity. The spreadsheet is currently on the "Instructions-GHG reporting" tab, which is highlighted with a red box and labeled "1". The other two tabs, "Instructions-Material reporting" (labeled "2") and "Originating Sites" (labeled "3"), are also highlighted with red boxes. The spreadsheet is titled "Multi-Material Stewardship Western Reporting Upload - Data Entry Sheet".

Contract Number	Document Number	Service Type	Reference	Comments	Reporting Period Start (DDMMYYYY)	Reporting Period End (DDMMYYYY)	Originating Site Name	Originating Site Postal Code	Not Applicable	Not Applicable	Emission Type	Type of Measurement	Not Applicable	% attributed to MMSW	Quantity

# Sort & Filter

## Sort & Filter Functionality:

Select the upside-down pyramid to display filter options:

- Sort by ascending or descending emission type name
- Using the filter filed: Type in your key word and hit 'enter'. To remove the filter criteria, select the icon again, delete the text and hit 'enter'.

The screenshot shows the 'Material Quantities' section of the Multi-Material Stewardship Western web application. The interface includes a navigation bar at the top with the Canadian Stewardship Services Alliance logo and a search icon. Below the navigation bar, there are three main sections: 'Select a report', 'Material Quantities', and 'Report Submission'. The 'Material Quantities' section is currently active and displays the following information:

- Test User | Test City SK
- Test Environment
- Multi-Material Stewardship Western logo
- Document No: 2021GHG2021 (1)
- Reporting Period Start: January 1, 2021
- Reporting Period End: October 31, 2021
- Reference: Optional
- Comments: (empty field)
- Originating Site: Test City 2 SK | ASSINIBOIA, SK, S4P 3C9

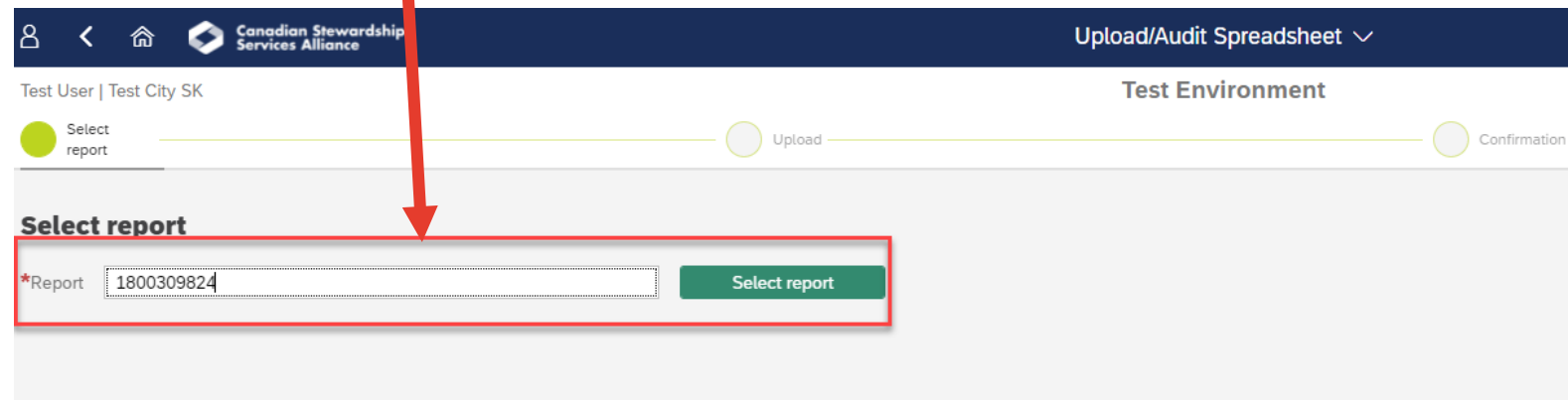
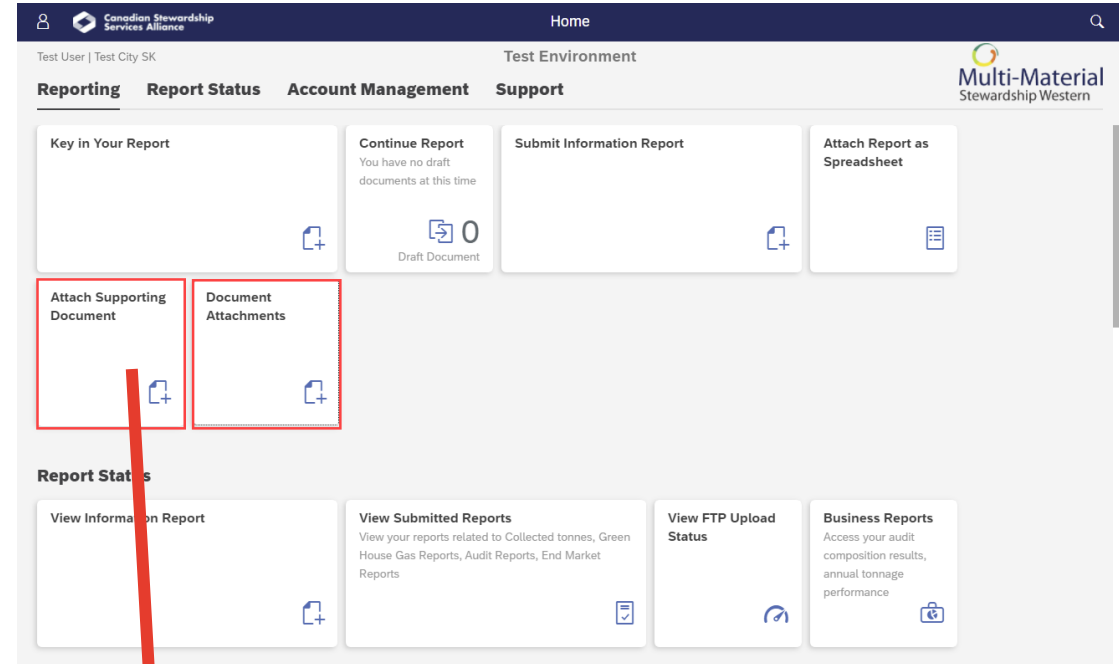
Below the form fields, there is a table with the following columns: Service Type, Emission Type, % attributed to MMSW, Unit of Measure, Quantity, Unit of Measure, and Originating Site. The table contains three rows of data for GHG emissions. A dropdown menu is open for the '% attributed to MMSW' column, showing the following options:

- Sort Ascending
- Sort Descending
- Filter (with a text input field)

The dropdown menu is highlighted with a red box in the image.

# Methodology

- The *Attach Supporting Document* tile found on the home page is where documentation can be submitted in order to support and substantiate GHG claims.
- Please have your Report Number ready (1800\*\*\*\*). This can be found in the View Submitted Reports section of the portal.



# Year Over Year Comparison

1. Search by report number, contract description, submission date or status. Click 'Search' to populate the list of reports that matches the criteria entered.
2. The table will display the details for each report.
3. 'Show Details' will display an overview of the submitted report details. 'View PDF' will open a more thorough PDF version of the submitted report, which can then be downloaded.
4. 'Download List as PDF' will display a PDF version of the submitted report list.

The screenshot shows the 'View Submitted Reports' page in the Multi-Material Stewardship Western application. The page has a dark blue header with the user's name 'Test User | Test City SK' and the 'Home' button. Below the header, there are navigation tabs for 'Reporting', 'Report Status', 'Account Management', and 'Support'. The main content area is divided into several sections. The 'Report Status' section is highlighted with a red box, and a red arrow points to the 'View Submitted Reports' button. Below this, there is a search bar with the following fields: 'Report Number: From - To', 'Reference: Reference', 'Contract Number: Contract Number', 'Contract Description: Contract Description', and 'Submission/Sample Date: October 01, 2021 - October 28, 2021'. There is also a 'Status' dropdown menu and a 'Maximum Hits' field set to 100. A red box highlights the search bar area, and a red arrow points to the 'Search' button. Below the search bar, there is a table with the following columns: 'Report Num...', 'Reference', 'Contract Number', 'Contract Description', 'Submission / Sample Date', 'Vendor Name', and 'Status'. The table contains several rows of data, and the first row is highlighted with a red box. A red box also highlights the 'Show Details' and 'View PDF' buttons for the first row. A red box highlights the 'Download List as PDF' button at the bottom right of the table.

Report Num...	Reference	Contract Number	Contract Description	Submission / Sample Date	Vendor Name	Status	
1800309851	663322	4700001406	COLLECTION	Oct 28, 2021	Test City SK	Not yet approved	Show Details View PDF
1800309851	Q12020	4700001406	COLLECTION	Oct 28, 2021	Test City SK	Not yet approved	Show Details View PDF
1800309850	99886633	4700001406	COLLECTION	Oct 27, 2021	Test City SK	Not yet approved	Show Details View PDF
1800309824	336655	4700002582	GHG_CURBSIDE	Oct 25, 2021	Test City SK	Not yet approved	Show Details View PDF
1800309821	2021GHG	4700002582	GHG_CURBSIDE	Oct 22, 2021	Test City SK	Not yet approved	Show Details View PDF
1800309821	WP3456	4700002582	GHG_CURBSIDE	Oct 22, 2021	Test City SK	Not yet approved	Show Details View PDF

# Fleet

- Class of Vehicle (s) used
  - Light Duty Truck
  - Heavy Duty
- Total amount and type of fuel consumed by each vehicle class (e.g. Heavy Duty vehicle; 1,000 liters of diesel)?

Canadian Stewardship Services Alliance

Key in Your Report

Test User | Test City SK

Test Environment

Multi-Material Stewardship Western

### Material Quantities

Test City SK - GREENHOUSE GAS - CURBSIDE (47) (2)

Document No: [New Document](#) (1)

[Add Another Document](#) [New Originating Site](#) [Save for Later](#) [Submit Report](#)

\*Document No:  \*Reporting Period Start (DDMMYYYY):  \*Reporting Period End (DDMMYYYY):  Reference:  Comments:

\*Originating Site:

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure	Originating Site
GHG	Vehicle (Heavy Duty) - Biodiesel	<input type="text"/>	Percentage	<input type="text"/>	Litres	<input type="text"/>
GHG	Vehicle (Heavy Duty) - CNG	<input type="text"/>	Percentage	<input type="text"/>	Cubic meter	<input type="text"/>
GHG	Vehicle (Heavy Duty) - Diesel	100	Percentage	1000	Litres	<input type="text"/>
GHG	Vehicle (Heavy Duty) - Electric	<input type="text"/>	Percentage	<input type="text"/>	Kilowatt hours	<input type="text"/>
GHG	Vehicle (Heavy Duty) - Gasoline	<input type="text"/>	Percentage	<input type="text"/>	Litres	<input type="text"/>
GHG	Vehicle (Heavy Duty) - Natural Gas	<input type="text"/>	Percentage	<input type="text"/>	Litres	<input type="text"/>
GHG	Vehicle (Heavy Duty) - Propane	<input type="text"/>	Percentage	<input type="text"/>	Litres	<input type="text"/>
GHG	Vehicle (Heavy) - Biodiesel Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	<input type="text"/>
GHG	Vehicle (Heavy) - Biodiesel Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	<input type="text"/>
GHG	Vehicle (Heavy) - CNG Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	<input type="text"/>
GHG	Vehicle (Heavy) - CNG Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	<input type="text"/>
GHG	Vehicle (Heavy) - Diesel Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	<input type="text"/>
GHG	Vehicle (Heavy) - Diesel Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	<input type="text"/>
GHG	Vehicle (Heavy) - Electric Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	<input type="text"/>

# Fleet Mileage

- If the total amount of fuel consumed per vehicle class is not available, then we will need to know the number of kilometers travelled by each vehicle type (i.e. total mileage).
- Reporting by km's is on a case by case basis

Canadian Stewardship Services Alliance | Key in Your Report | Test Environment

Test User | Test City SK | Material Quantities | Report Submission

**Material Quantities**

Test City SK - GREENHOUSE GAS - CURBSIDE (4700000000)  
 Document No: [New Document](#) (1)

\*Document No:  \*Reporting Period Start (DDMMYYYY):  \*Reporting Period End (DDMMYYYY):  Reference:  Comments:

\*Originating Site:

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure	Originating Site
GHG	Vehicle (Heavy Duty) - Biodiesel	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - CNG	<input type="text"/>	Percentage	<input type="text"/>	Cubic meter	
GHG	Vehicle (Heavy Duty) - Diesel	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - Electric	<input type="text"/>	Percentage	<input type="text"/>	Kilowatt hours	
GHG	Vehicle (Heavy Duty) - Gasoline	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - Natural Gas	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - Propane	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy) - Biodiesel Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	
GHG	Vehicle (Heavy) - Biodiesel Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	
GHG	Vehicle (Heavy) - CNG Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	
GHG	Vehicle (Heavy) - CNG Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	
GHG	Vehicle (Heavy) - Diesel Distance	100	Percentage	800	Kilometer	
GHG	Vehicle (Heavy) - Diesel Weight	<input type="text"/>	Percentage	<input type="text"/>	Kg	
GHG	Vehicle (Heavy) - Electric Distance	<input type="text"/>	Percentage	<input type="text"/>	Kilometer	

# Fleet: Maintenance & Staff Activity

- Include fuel usage associated with maintenance or staff activity like site inspections or cart repair/drop-off, etc.

# Allocating Your Share of GHG





# Allocating for Share of GHG

- MMSW recognizes that your/sub-contractor's collection activities may not be entirely related to your MMSW-based materials, and therefore requires that you report only data as it relates to MMSW's allocation of the overall activities.

# Curbside & Multifamily Collections



# Allocation Scenario 1 -- Collection Vehicle Activity

- If the collection vehicle used for your residential WPP recycling program also collects other non-WPP materials (ie. organics, garbage, commercial material, etc.) during the year, you must allocate the share of fuel or kilometres driven to only the activities involved with collection of WPP for your residential recycling program

# Allocation Scenario 1 -- Example

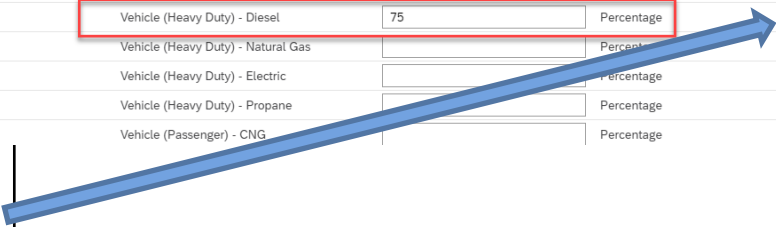
<b>Collection truck A used for WPP and garbage on different days...</b>	
<b>Total annual fuel used for collection</b>	1000 L
<b>Annual fuel used for collection of residential WPP</b>	750 L
<b>Annual fuel used for collection of garbage</b>	250 L
<b>Please report 750 L fuel usage to MMSW</b>	

**Material Quantities**  
 City of Regina - GREENHOUSE GAS - DEPOT (4700002584)  
 Document No: [New Document](#) (1) 
[Add Another Document](#) [New Originating Site](#) [Save for Later](#)

\*Document No:  \*Reporting Period Start (DDMMYYYY):  \*Reporting Period End (DDMMYYYY):  Reference:  Comments:

\*Originating Site:   
Search for name or address, minimum 3 characters

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure	Originating Site
GHG	Vehicle (Light Duty) - Electric	<input type="text"/>	Percentage	<input type="text"/>	Kilowatt hours	
GHG	Vehicle (Light Duty) - Propane	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - CNG	<input type="text"/>	Percentage	<input type="text"/>	Cubic meter	
GHG	Vehicle (Heavy Duty) - Biodiesel	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - Diesel	75	Percentage	750	Litres	
GHG	Vehicle (Heavy Duty) - Natural Gas	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Heavy Duty) - Electric	<input type="text"/>	Percentage	<input type="text"/>	Kilowatt hours	
GHG	Vehicle (Heavy Duty) - Propane	<input type="text"/>	Percentage	<input type="text"/>	Litres	
GHG	Vehicle (Passenger) - CNG	<input type="text"/>	Percentage	<input type="text"/>	Cubic meter	



## Allocation Scenario 2 – Shared Route

- If applicable, check with your sub-contractor to determine if your collected WPP is on a shared route with other collectors. If it is, the amount of GHGs generated by collections activities will need to be allocated based on your annual share of households on a full truck.
- If share of households is unknown, you may alternatively allocate based on percent share of total weight of WPP.

# Allocation Scenario 2 -- Example

<b>Total Fuel Usage = 750 L</b>	
<b>Community A Households</b>	80
<b>Community B Households</b>	20
<b>Total Households On Full Truck</b>	100
<b>Community A Share GHG</b>	80% x 750 L = <b>600 L</b>
<b>Community B Share GHG</b>	20% x 750 L = <b>150 L</b>

The screenshot shows the 'Material Quantities' section of the web application. The 'Originating Site' is set to 'Community A'. The table below shows the allocation of fuel usage:

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure	Originating Site
GHG	Vehicle (Light Duty) - Diesel		Percentage		Litres	
GHG	Vehicle (Light Duty) - Natural Gas		Percentage		Litres	
GHG	Vehicle (Light Duty) - Electric		Percentage		Kilowatt hours	
GHG	Vehicle (Heavy Duty) - Biodiesel		Percentage		Litres	
GHG	Vehicle (Heavy Duty) - Diesel	80	Percentage	600	Litres	
GHG	Vehicle (Heavy Duty) - Natural Gas		Percentage		Litres	

The screenshot shows the 'Material Quantities' section of the web application. The 'Originating Site' is set to 'Community B'. The table below shows the allocation of fuel usage:

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure	Originating Site
GHG	Vehicle (Light Duty) - Diesel		Percentage		Litres	
GHG	Vehicle (Light Duty) - Natural Gas		Percentage		Litres	
GHG	Vehicle (Light Duty) - Electric		Percentage		Kilowatt hours	
GHG	Vehicle (Heavy Duty) - Biodiesel		Percentage		Litres	
GHG	Vehicle (Heavy Duty) - Diesel	20	Percentage	150	Litres	
GHG	Vehicle (Heavy Duty) - Natural Gas		Percentage		Litres	

# Additional Reporting Measures

**DEPOT collection programs only**



# Facilities

- GHG from facilities applies only if your/sub-contractor's depot is located inside a building or is outdoors and uses energy for lighting.



# Electricity Consumption

Month	Usage (kWh)
January	1,394

Canadian Stewardship Services Alliance | Key in Your Report | Test Environment | Mult Steward

GREENHOUSE GAS - END MARKET TRANSPORTATION (4700002584)

### Material Quantities

City of Regina - GREENHOUSE GAS - DEPOT (4700002584)  
 Document No: [New Document](#) (1)

\*Document No:   
 \*Reporting Period Start (DDMMYY...):   
 \*Reporting Period End (DDMMYY...):   
 Reference:   
 Comments:

\*Originating Site:

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure
GHG	Indoor floor space	<input type="text"/>	Percentage	<input type="text"/>	Square foot
GHG	Outdoor floor space	<input type="text"/>	Percentage	<input type="text"/>	Square foot
GHG	Electricity Consumption	100	Percentage	1394	Kilowatt hours
GHG	Heating - Natural Gas	<input type="text"/>	Percentage	<input type="text"/>	Cubic meter
GHG	Heating - Natural Gas	<input type="text"/>	Percentage	<input type="text"/>	Gigajoule
GHG	Heating - Butane	<input type="text"/>	Percentage	<input type="text"/>	Litres
GHG	Heating - Diesel	<input type="text"/>	Percentage	<input type="text"/>	Litres

# Heating Consumption

- Record how much is being consumed at each facility

Fuel Type	Unit
Natural Gas	GJ/m <sup>3</sup>
Diesel, kerosene, light fuel oil, heavy fuel oil, propane, ethane, butane	L

# Equipment

- We would like to know what kind(s) of fossil fuel-based equipment you use at your/sub-contractor's depot.
- Remember, this is only equipment that is used for the collection of WPP, including staff activity like site inspections or maintenance
- forklifts,
- skid steers,
- loaders, etc.?
- gasoline,
- diesel,
- liquefied petroleum gas (propane),
- natural gas?

# Equipment

- Amount of fuel purchased for your/sub-contractor's equipment.
  - record the total in litres
- If different pieces of equipment use different fuels, please record the equipment and fuel usage separately.
- Please also include the percent of the time this type of equipment is used for MMSW-related use.

# Example – Equipment

<b>Type of Equipment</b>	Forklift	<b>Type of Equipment</b>	Front-end loader
<b>% of the time dedicated to MMSW materials</b>	25%	<b>% of the time dedicated to MMSW materials</b>	10%
<b>Type of Fuel Used</b>	Diesel	<b>Type of Fuel Used</b>	Diesel
<b>Month</b>	<b>Total Fuel Usage (L)</b>	<b>Month</b>	<b>Total Fuel Usage (L)</b>
January	398	January	612
January (MMSW allocation)	$398 \times .25 = 99.50 \text{ L}$	January (MMSW allocation)	$612 \times .10 = 61 \text{ L}$

**Material Quantities**

Document No: Test12345 (1)

\*Document No: Test12345

\*Reporting Period Start (DDMMYY...): January 1, 2020

\*Reporting Period End (DDMMYY...): January 31, 2020

Reference:

Comments: Jan - GHG - Equipment data

Service Type	Emission Type	% attributed to MMSW	Unit of Measure	Quantity	Unit of Measure
GHG	Forklift - Propane		Percentage		Litres
GHG	Forklift - CNG		Percentage		Cubic meter
GHG	Forklift - Biodiesel		Percentage		Litres
GHG	Forklift - Diesel	25	Percentage	99.5	Litres
GHG	Forklift - Natural Gas		Percentage		Litres
GHG	Forklift - Fleet		Percentage		Kilowatt hours
GHG	Front End Loader - CNG		Percentage		Cubic meter
GHG	Front End Loader - Biodiesel		Percentage		Litres
GHG	Front End Loader - Diesel	10	Percentage	61	Litres

# GHG Paper Use: Depot, Curbside & Multi-family



# Paper Use

- How much paper by weight has been purchased for printed packaging and paper product recycling brochures, pamphlets, etc.
- The paper type must be known as well as the percent of recycled content
- Please divide your total volume of paper purchased by the number of pages allocated to recycling of paper and packaging only.

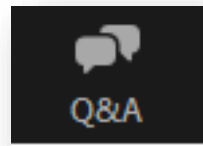
# Example Paper Types

<b>Copy paper</b>	Copy paper, inkjet/laser paper, letterhead, stationery, some higher-end notebook and lined writing paper, envelopes, fine book papers, text and cover grades (often beautiful designer papers), report covers, “post-it” notes, some brochures, invitations, some business cards, some menus
<b>Catalog (High-End)</b>	High-end catalogs, magazines, luxury advertising, and brochures
<b>Newsprint</b>	Newspaper, newsprint, directory papers (e.g., phone books), inexpensive paperback books, some lined writing papers
<b>Catalog (Mass Mkt)</b>	Mass-market catalogs and magazines, mass-market advertising on “slick” paper
<b>Newspaper inserts</b>	Newspaper inserts, grocery and drug store advertising papers, some bulk mailbox advertisements, some mass-market catalogs and magazines






# Q&A

Please submit via the webinar Q&A button:



# Contact Information/Resources

-  greenhousegas@multimaterialsw.ca
-  1-855-886-4558 (option 4)
-  [www.mmsk.ca/ghg](http://www.mmsk.ca/ghg)



The screenshot shows the MMSW GHG Reporting Resources webpage. At the top, there is a search bar with the placeholder text "How can we help you?". Below the search bar is a breadcrumb trail: Home > Reporting > Service Providers > MMSW. The main heading is "MMSW GHG Reporting Resources", followed by the text "Last updated: Oct 21, 2021". The page content states: "MMSW Collectors can review the information below to assist them with their GHG reporting." Below this are two bullet points: "To browse all available articles, select the 'All Articles' tab below and choose an article to review" and "To see a collection of articles relevant to you, choose 'Learning Guides' below and select a guide for Curbside, Multi-Family, or I". There are two tabs: "Learning Guides" (selected) and "All Articles". Under the "Learning Guides" tab, there are three entries, each with a plus sign and a document icon: "MMSW GHG Curbside and Multi-Family Collection Reporting" (7 pages), "MMSW GHG Depot Reporting" (7 pages), and "MMSW GHG Post Collection Reporting" (4 pages).

# Thank You!

