



**20
23**

ANNUAL REPORT
MAJOR APPLIANCE RECYCLING ROUNDTABLE





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2023 MARR ANNUAL REPORT

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EXECUTIVE SUMMARY

1.1 PROGRAM PERFORMANCE SUMMARY

The Major Appliance Recycling Roundtable (MARR) is a not-for-profit stewardship agency appointed to fulfill the requirements of the BC Recycling Regulation, Schedule 3, Electronic and Electrical Product Category (BC Reg. 449/2004).

The Stewardship Plan covers end-of-life major household appliances in the province of British Columbia on behalf of the major appliance obligated producers. The MARR Stewardship Plan is the only approved stewardship plan for major appliances in the province.

Units Collected

through various MARR collection methods:

405,758 units

Units where MARR managed the safe removal of ozone-depleting substances (ODS) gas or other halocarbons:

122,731 units

Units Sold

by registered MARR participants:

1,186,987 units

Units where ODS gases were evacuated prior to collection:

24,466 units



Consumer Accessibility:

96.8% accessibility to free drop-off for the full population of BC.



Collection System:

211 collection sites under contract; 10 sites were added and 1 site was closed in 2023.



Consumer Awareness:

82% of British Columbians are aware that there is a program/service for recycling large appliances; this metric has been in constant progression for the past 2 years.



Environmental Impact:

MARR has established a processing standard for collectors and metal processors of major appliances (“MARR Product Processing Standard”). This qualification must be met by every collector under the MARR program. For more information, go to section 5.1.



Pollution Prevention Hierarchy:

MARR leverages the established market system for refurbishment, resale and recycling of large appliances. Ozone-depleting substances are recycled if possible or safely destroyed by established hazardous gas processors. See section 5.2 for details.

Revenue

\$5,497,808

Expenses

\$5,706,790

- Administration: **\$1,360,532**
- Auditing: **\$197,434**
- Collections: **\$3,300,473**
- Public Education and Awareness: **\$815,278**
- Research and Studies: **\$33,073**

PROGRAM OUTLINE

2.1 THE PROGRAM

2.2 MESSAGE FROM MARR'S EXECUTIVE DIRECTOR



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2.1 THE PROGRAM

The Major Appliance Recycling Roundtable (MARR) is a not-for-profit stewardship agency appointed by the majority of obligated producers (“registered participants”) to fulfill the requirements of the BC Recycling Regulation, Schedule 3, Electronic and Electrical Product Category (BC Reg. 449/2004).

The Stewardship Plan (the plan) covers end-of-life (EoL) major household appliances in the province of British Columbia (BC) on behalf of most major appliance obligated producers. The MARR Stewardship Plan originally received the approval of BC’s Ministry of Environment on June 29, 2012, and most recently on April 30, 2021 and today is the only approved stewardship plan for major appliances in the province.

MARR’S BUSINESS MODEL

MARR’s business model differs from most other BC product stewardship programs. As there is already an effective market-based system in BC for recycling large appliances, MARR does not process or recycle products directly.

Unlike most other electronic or electrical equipment, large household appliances have a financial value at end-of-life (EoL), which explains the long-standing and effective market-based system for recycling EoL products. For the past few decades, large private-sector metal processors have been collecting and shredding major appliances to resell the metal used in them. Nevertheless, the core business for most of these processors is shredding automobiles (which are not obligated under the Recycling Regulation). As major appliances are not the dominant content collected and shredded by these private-sector businesses, it is challenging to achieve change in end-of-life outcomes.

The MARR Stewardship Plan is focused on enhancing the performance and transparency of the existing private-sector system that collects and shreds major household appliances in BC. In particular, the plan includes the following commitments:

1. A commitment to enhance the performance of the current system by providing incentives for the management and collection of ODS from products within the product category through a network of approved collectors.
2. A commitment to reasonable and free consumer access to collection facilities. This will be accomplished by providing incentives for administrative and transportation costs as required, by region on a cost recovery basis.

To assist its Board and management in delivering a successful program under its approved Stewardship Plan, MARR contracted Encorp Pacific (Canada) in 2019 as its service provider to manage the following elements:

- Registration of, and reporting and remission by, participants and collectors
- Financial and non-financial reporting
- Additional administrative activities

PRODUCTS COVERED

The MARR program accepts 18 different categories of large appliances. Those are divided into two groups:

1. Large appliances with refrigerant gases (7 different types).



Full-Size Refrigerators

Refrigerator and refrigerator-freezer combinations. Includes built-in and free-standing models.



Window Air Conditioners

Operate through the wall or are window-mounted.



Portable Air Conditioners

Can be moved from place to place.



Electric Cold Beverage Dispensers

Containing refrigerant gases for cooling purposes.



Compact Refrigerators

Refrigerator or refrigerator-freezer combinations that are 6.4 cubic feet or less in volume. Includes beer kegs, wine dispensers and wine coolers.



Freezers

Chest, upright and compact freezers, plus under-the-counter freezer drawers and icemakers.



Dehumidifiers

Free-standing units that can be moved from place to place.

2. Large appliances without refrigerant gases (11 different types).



Clothes Washers

Top- and front-loading. Includes stacked laundry units and those that also dry clothes.



Ranges

Can include a surface cooktop and oven.



Built-In Ovens

Can have separate warming drawers, microwave oven or double walls.



Surface Cooking Units

Installed into the countertop where the controls are either integrated into the unit or installed separately.



Food Waste Disposers

Integrated into the plumbing of a household.



Electric Hot Beverage Dispensers

Mounted under the counter or built-in.



Clothes Dryers

Top- and front-loading. Includes stacked laundry units.



Range Hoods & Downdrafts

Can be separate from or connected to the cooking unit.



Microwave Ovens

Built-in, permanently installed microwave ovens, with or without a hood vent.



Dishwashers

Built-in, portable or convertible.



Trash Compactors

Permanently installed or portable.

2.2 MESSAGE FROM MARR'S EXECUTIVE DIRECTOR



Dear Friends and Colleagues,

For most British Columbians, 2023 will be remembered as experiencing the most extensive and the most destructive wildfire season in our province's history. While the largest fire was the Donnie Creek fire, the McDougall Creek fire hit very close to home for MARR, as it led to the temporary closure of multiple MARR collection sites in the West Kelowna and Kelowna areas. The sites were fortunately able to resume operations in a relatively short period of time because of the courageous and diligent efforts of our local government and regional district partners. MARR will continue to support local governments and First Nations in their cleanup efforts after large-scale weather and environmental events.

Our ability to provide effective, efficient and low-cost recycling services for large appliances in less-than-ideal economic circumstances is something that we are very proud of at MARR. Inflationary pressures and high interest rates continued to influence household finances, resulting in a reduction in consumer demand. The number of large appliances sold in 2023 declined by over 100,000 units compared to 2022. This decline in sales, accompanied by MARR's decision to reduce our Administrative Program Fees in April of 2023, resulted in a significant but planned reduction in revenue. This reduction in our fees was a conscious effort on our part to provide cost relief to BC consumers without compromising our level of service. In fact, the number of end-of-life major appliances collected increased by over 10%, our collection network grew to 211 sites and the number of collection events throughout the province increased from 5 in 2022 to 19 in 2023.

Collection events are an important aspect of our ability to offer recycling services to First Nations and remote communities in our province. These range from large site cleanups like the one in Haida Gwaii, where we were able to work with our partners to clean up two scrap metal piles containing over 11,000 appliances that had not been serviced for nearly two decades, to smaller-scale yet challenging events like one with the Taku River Tlingit First Nation near Atlin Lake. MARR continues to support and work in conjunction with, the Indigenous Zero Waste Technical Advisory Group and the BC First Nations Recycling Initiative to expand our service offerings.

I would like to once again take this opportunity to thank all the obligated producers who have entrusted MARR to fulfill their responsibilities to manage the end-of-life large appliances for them under the BC Recycling Regulation. I would also like to acknowledge the many stakeholders throughout the province who have collaborated with us to make the program the success that it is today.

With best regards,

Michael Zarbl
Executive Director

PUBLIC EDUCATION MATERIALS AND STRATEGIES

3.1 MARKET RESEARCH AND ANALYSIS

3.2 CONSUMER AWARENESS



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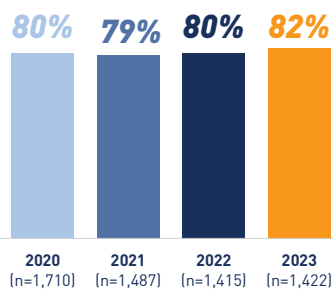
3.1 MARKET RESEARCH AND ANALYSIS

MARR has undertaken a robust market research study to evaluate program knowledge, assess consumer behaviour in relation to large appliance recycling and discard habits, and measure the level of program awareness in BC.

An online survey was undertaken in July 2023 among adults 18+ in BC. This year, program awareness metrics (awareness of a program/service for recycling large appliances in the province) remained steady with last year.

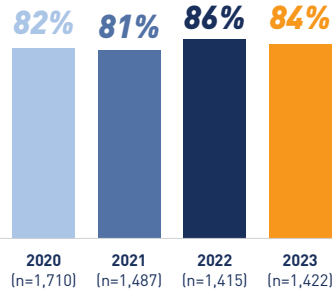
BC residents are aware that large appliances can be recycled and that there is an environmental fee charged when buying a new appliance.

RECYCLE AWARENESS



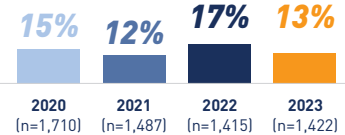
To the best of your knowledge, can you **recycle** large appliances (such as refrigerators, ranges and washing machines) in British Columbia?

ENVIRONMENTAL FEE AWARENESS



Did you know that when you buy new large appliances, you pay an **environmental fee**, which is used for the administration, collection, transportation, processing and responsible recycling of large appliances?

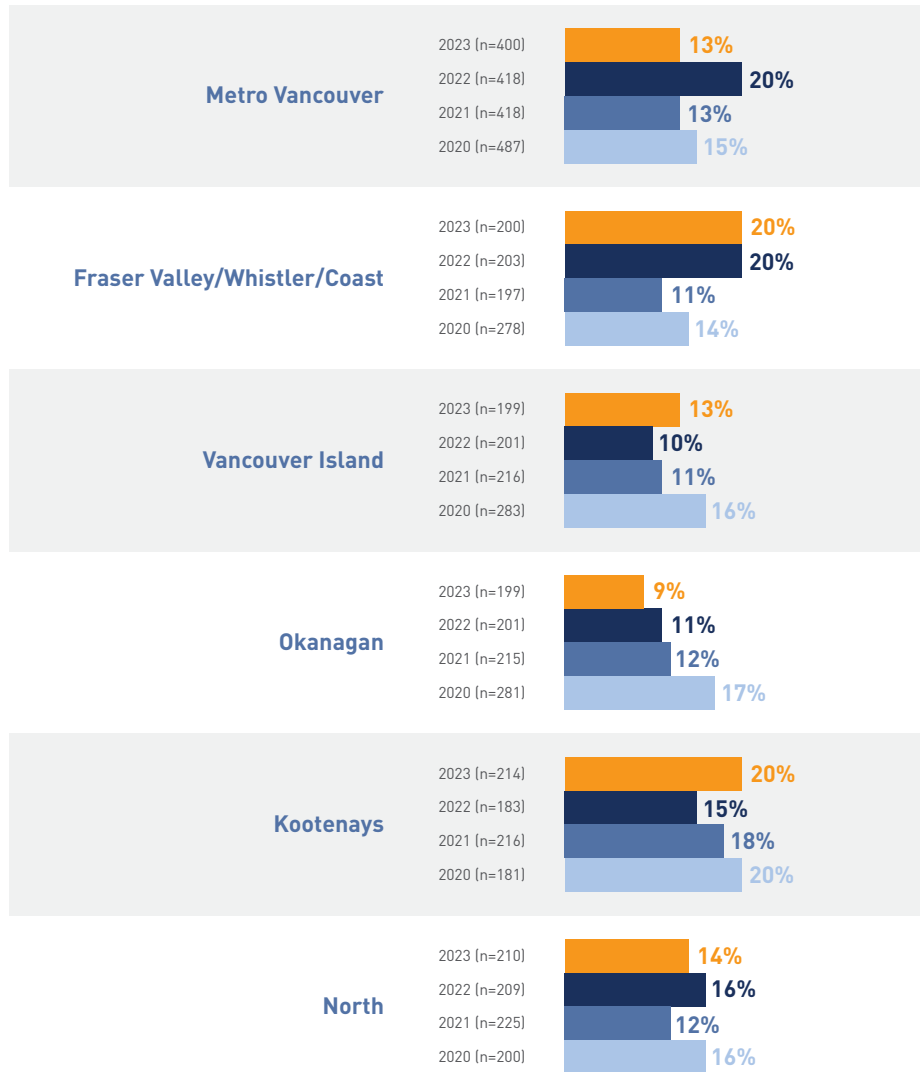
UNWANTED LARGE APPLIANCES IN HOMES



Do you currently have any large appliances in your home that are unwanted/ that you want to get rid of?

UNWANTED APPLIANCES IN HOMES BY REGION

The incidence of having at least one unwanted appliance in BC homes is trending higher in Vancouver Island and the Kootenays. These results along with the results on disposal methods let us understand behaviour in as much depth as possible and target the marketing campaigns accordingly.



LIKELY DISPOSAL METHODS



Retailer
34%



Recycling Facility
29%



Donation
17%



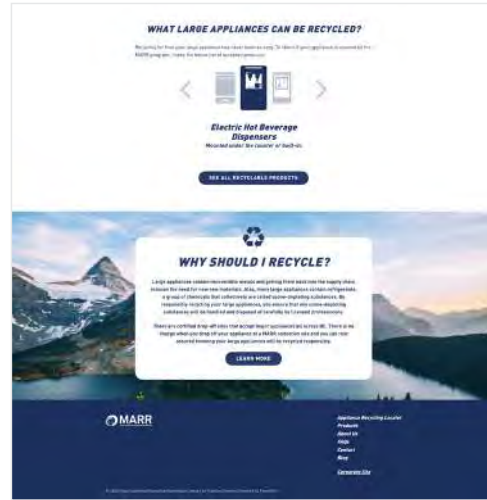
Junk Removal
6%



Transfer Station
5%

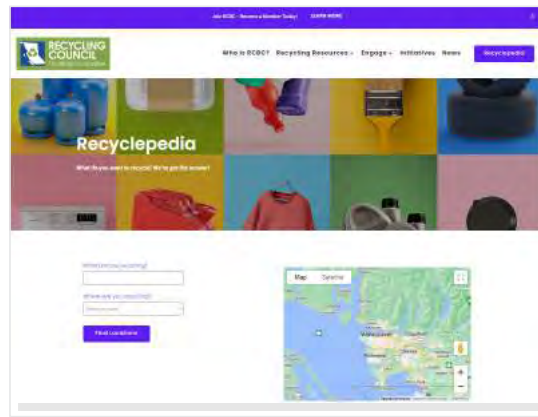
Largeappliance recycling.ca

In 2023, we launched a new consumer website to provide the public with access to essential information about our large appliance recycling system. The website serves as a comprehensive resource, offering details on accepted appliances, guidelines for preparing appliances for recycling, and information on where to take them. This initiative was a significant step towards enhancing transparency and accessibility, ensuring that consumers have the information they need to participate in our recycling program effectively. In 2023, there were 147,897 hits. Visit largeappliance recycling.ca.



Recycling Council of British Columbia (RCBC) Hotline

Established in 1990, the RCBC Recycling Hotline is a free, province-wide live information service for recycling, pollution prevention, waste avoidance, safe disposal options and relevant regulations. Today, the hotline has expanded to include phone and web services, and a smartphone app. In 2023, the RCBC responded to 6,570 inquiries related to large appliance recycling.

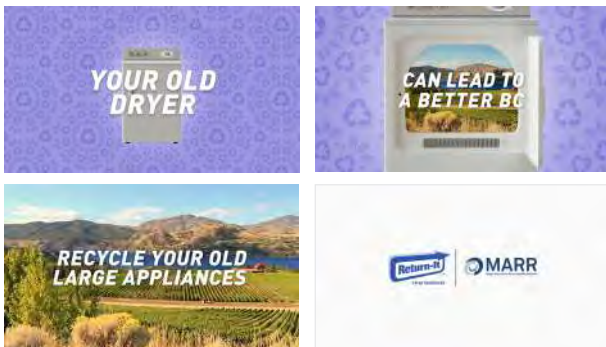


3.2.2 MAJOR APPLIANCE EDUCATION & AWARENESS

Support for the MARR program is sustained through diverse advertising channels, contributing to the ongoing awareness of the program and its growth. Sponsored content and advertorials were thoughtfully selected to deliver pertinent messages to the appropriate audience, ensuring relevance and impact. Targeted media, including television, radio, digital and social platforms, were strategically utilized for advertising placements.

Television

Television ads ran on the CBC and Global TV networks during spring and summer. Both stations performed well, delivering 2,864,100 impressions province-wide. [View video here.](#)



Radio

Over the spring and summer, 4 different 30-second radio ads aired in the Lower Mainland and the Capital Regional District, as well as on community radio stations, featuring tips and tricks from MARR for maintaining large appliances. These ads also reminded the public to recycle their large appliances at certified collection sites when it was time for replacement. These stations provided substantial bonus opportunities, delivering 11,369,893 total impressions.

CFNR

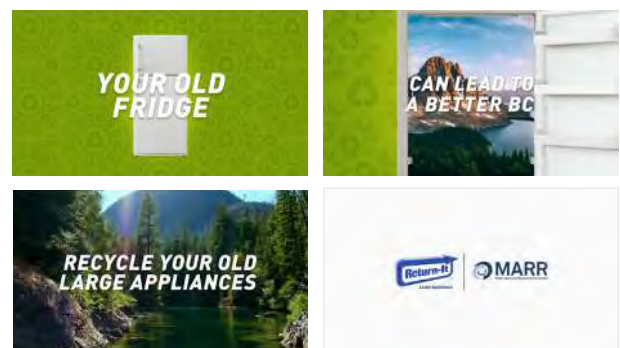
To capitalize on the spring cleaning mindset, CFNR radio station aired an interview with our Executive Director, Michael Zarbl, discussing MARR's vital support for First Nation communities and offering insights into upcoming initiatives and dedicated collection events throughout the year.

CKNW

During the summer, Michael Zarbl engaged in a conversation with Martin Strong from the Vancouver Consumer Show, highlighting the importance of recycling large appliances. Special emphasis was placed on portable and window air conditioners to encourage broader participation and awareness.

Pre-Roll Advertising

To broaden our audience reach during their online shopping or renovation planning activities, we utilized pre-roll ads. These ads, featuring the same creative as our TV commercials, were showcased on various websites, online video platforms such as YouTube and through connected TV services for British Columbia residents. The primary message emphasized recycling large appliances to promote a sustainable environment in BC. The video achieved 3,331,498 impressions and the non-skippable pre-roll videos achieved a remarkable view completion rate of 93.8%.



Search Engine Marketing – Google Ads

Our Google Ads campaigns in 2023 yielded significant results, driving awareness and engagement with MARR’s large appliance recycling program. Across 2 search campaigns, 2 YouTube video campaigns, 3 display campaigns, and 1 discovery campaign, we achieved a total of 9,260,792 impressions, 112,481 clicks and 14,123 conversions.

Notably, keywords like “Recycle air conditioner” and “Recycle old fridge” were top performers, indicating strong public interest in recycling these items. Additionally, headlines featuring “It’s Free To Recycle” resonated well with audiences, contributing to high-performing ad combinations. The data also revealed that searches for “appliance recycling” were twice as high as searches for “appliance disposal”, demonstrating a widespread understanding and interest in recycling large appliances rather than simply disposing of them.

The search campaigns drove the majority of conversions with 9,356 conversions, followed by the YouTube campaign with 3,731 conversions.

Recycle Your Home Appliances
Dispose of old fridges, washers, microwaves, air conditioners and more.

Large Appliance Recycling
Rest assured knowing your large appliances are recycled responsibly.

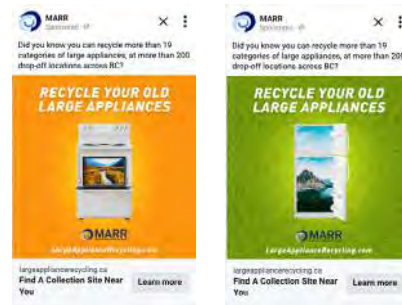
Major Media Partnership

Kristi Gordon, Senior Meteorologist for Global News, joined Michael Zarbl to talk about large appliance recycling, the environmental impact and how MARR is focusing its efforts to keep old large appliances out of the landfill in BC. The segment opened up an avenue where we were able to answer some of the most common questions and highlight the importance of recycling large appliances.



Social Media

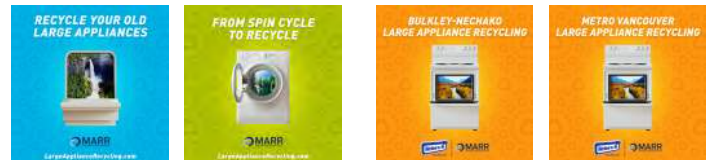
From June to September, our social media ads on Facebook and Instagram effectively reached and engaged audiences across British Columbia. The geotargeted campaigns included both an awareness and remarketing strategy. The awareness campaign generated a remarkable 5,205,903 impressions and reached 524,417 users, with 2,125 users clicking through to the site. In comparison, the remarketing campaign delivered 74,805 impressions and reached 30,104 users.



Notably, ads with the highest click-through rates and collection site uses featured the primary text: “Did you know you can recycle more than 19 categories of large appliances, at more than 200 drop-off locations across BC?” These results demonstrate the effectiveness of our social media campaigns in raising awareness and encouraging action among British Columbians.

General Awareness Ads

Regional/Community Ads



Waste Reduction Week – Sponsored Content

During Waste Reduction Week, we implemented a targeted campaign to raise awareness about large appliance recycling in British Columbia. Leveraging connected TV and TV Zone Ads, the campaign emphasized the importance of responsibly disposing of large appliances to reduce waste and promote environmental sustainability. The campaign reached 447,200 impressions.



3.2.3 COLLABORATION AND SUPPORT INITIATIVES

Community Calendars

When opportunities arise, MARR partners with local communities. Our presence in community calendars and our support for local collection events establish MARR as a partner with local governments and community organizations.

Community Events & Industry Conferences

To promote the program, increase visual appeal, and generate awareness during events and conferences, MARR created 4 different banners and an A frame:



Collection Sites

MARR offers each collection site the following signs at no charge. Sites can set these up and display them in their location to direct and help residents.



Collaboration

MARR maintains partnerships with organizations in the waste management and recycling industry. Currently, MARR is a proud member of the Coast Waste Management Association, the Indigenous Zero Waste Technical Advisory Group (IZWTAG), the Recycling Council of British Columbia, the Pacific Chapter of SWANA and the BC First Nations Recycling Initiative.



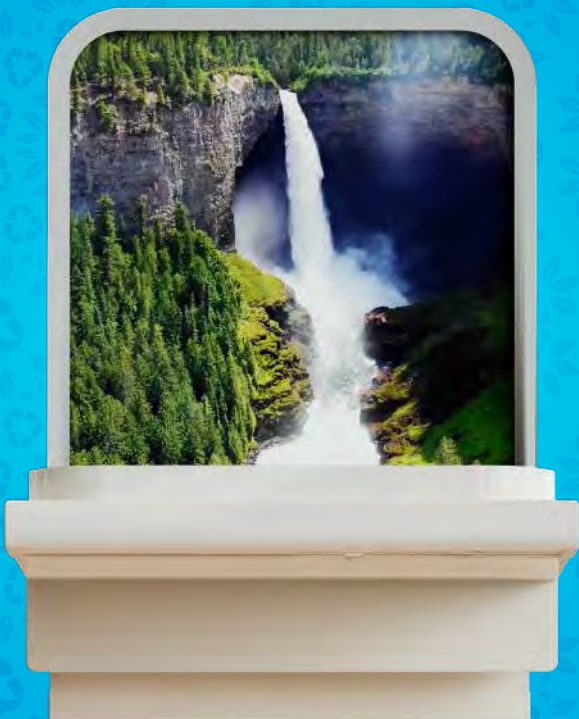
COLLECTION SYSTEM AND FACILITIES

4.1 COLLECTION SITE MAP

4.2 HOW THE COLLECTION SYSTEM WORKS

4.3 NETWORK DEVELOPMENT

4.4 COLLECTION EVENTS



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4.1 COLLECTION SITE MAP

Across the province by the end of 2023, MARR counted 211 active collection sites. Within this network, we estimate that 96.8% of the population of BC has accessibility to free drop-off of large appliances.

For a full list of MARR collection sites, please see Appendix 2. Visit <https://www.return-it.ca/locations/coverage-marr-2023> to view the full coverage of the MARR network.

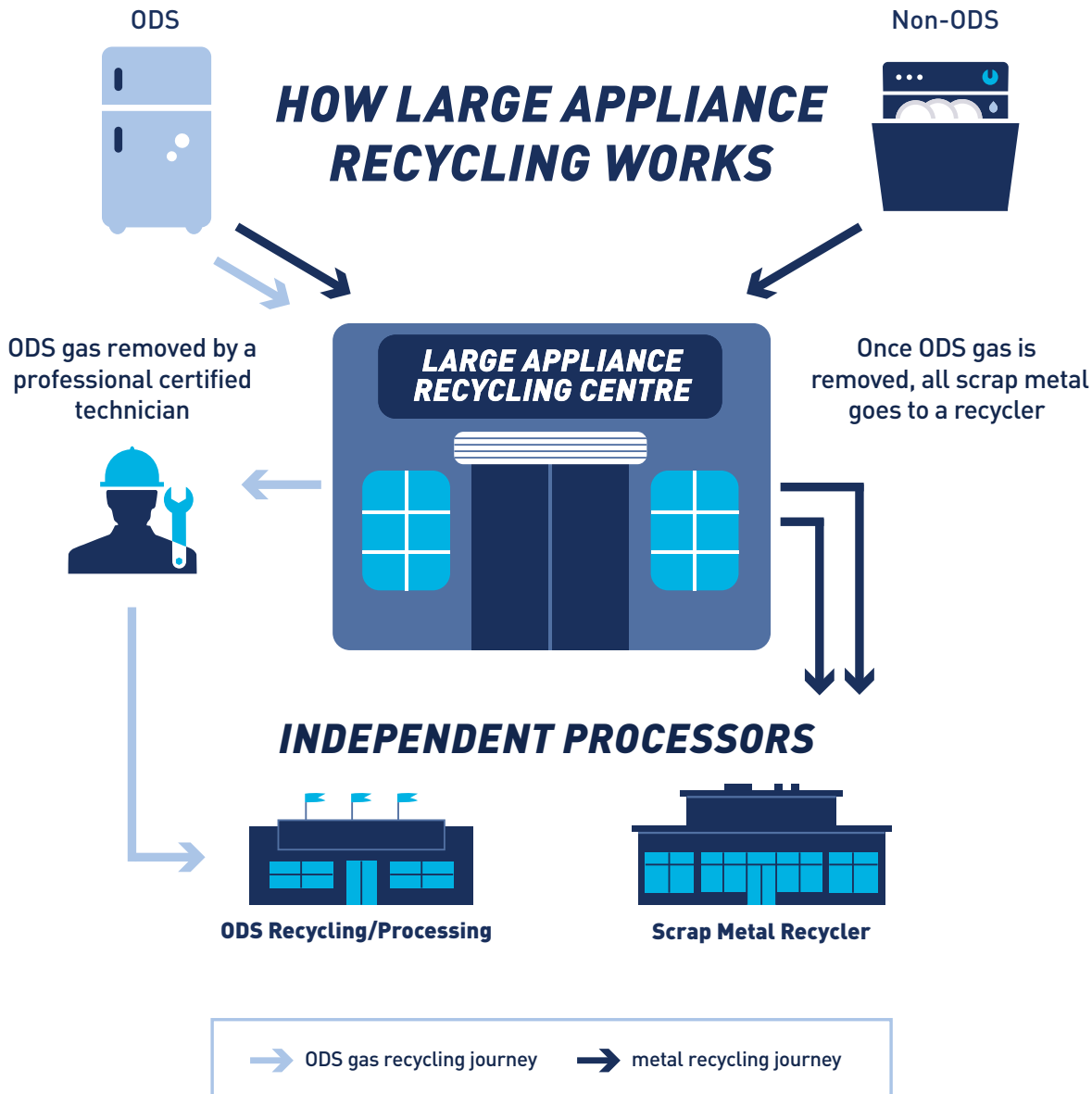


COLLECTION SITES BY REGIONAL DISTRICT

Alberni-Clayoquot	2	East Kootenay	6	North Okanagan	5
Bulkley-Nechako	8	Fraser-Fort George	12	Northern Rockies*	0
Capital	6	Fraser Valley	8	Okanagan-Similkameen	6
Cariboo	24	Kitimat-Stikine	7	Peace River	4
Central Coast	1	Kootenay Boundary	7	qathet	2
Central Kootenay	14	Metro Vancouver	27	Squamish-Lillooet	4
Central Okanagan	5	Mount Waddington	5	Strathcona	6
Columbia Shuswap	13	Nanaimo	4	Sunshine Coast	3
Comox Valley	4	North Coast	6	Thompson-Nicola	19
Cowichan Valley	3				

*MARR is committed to providing service to all of BC. If there is currently no permanent collection site close to a community, MARR will help arrange transport to move large appliances to a collection site. If possible, we will also arrange for a certified ODS technician to remove ODS gas prior to transport.

4.2 HOW THE COLLECTION SYSTEM WORKS



ODS (Ozone-Depleting Substances): Large appliances that contain ODS and that are accepted in the MARR program include full-size refrigerators, compact refrigerators, freezers, window air conditioners, portable air conditioners, dehumidifiers and electric cold beverage dispensers.

Non-ODS: Large appliances that do not contain ODS and that are accepted in the MARR program include clothes washers, ranges, built-in ovens, surface cooking units, food waste disposers, electric hot beverage dispensers, clothes dryers, range hoods and downdrafts, built-in and over-the-range microwave ovens, dishwashers and trash compactors.

For further information and definitions, please refer to page 5.

4.3 NETWORK DEVELOPMENT

Under the MARR collection site program, collectors must contract individually with MARR.

The terms of the contract require collectors to adhere to terms and conditions set out in MARR's collection site agreement, which include:

- Complying with MARR's Processing Standard
- Offering to accept all program products from consumers **at no charge**
- Tracking and reporting to MARR on
 - Counts of end-of-life large appliances collected by unit category (ODS and non-ODS units)
 - Volume of ozone-depleting substances (refrigerant) removed from large appliances
 - Metal tonnage collected
 - ODS tank disposal delivery records, confirming delivery of ODS gas and other halocarbons to refrigerant wholesalers for safe reuse or disposal

In return, contracted collectors receive compensation for costs associated with removal of ozone-depleting substances and other halocarbons from refrigerating products, as well as administrative costs for tracking and reporting program products.

In addition, a transportation compensation is offered, should metal commodity values be insufficient to pay for the cost of transporting the MARR units to market.



Collection Network

By the end of 2023, MARR counted 211 active sites, spread across 27 regional districts.

In 2023, the MARR program expanded its reach by welcoming 10 new collection sites. Notably, the Cariboo Regional District contributed significantly by adding 6 sites to their existing registered locations, bringing the total count to 24 by the year's end. This achievement underscores the excellent collaboration between the Cariboo Regional District and the MARR program and team.

Furthermore, the MARR program saw additional growth, as 3 private locations and 1 municipal landfill, situated across different regional districts, joined the program. This expansion enhances convenience for residents, making it easier for them to access free drop-off locations for large appliances.

A single site within the collection network was deactivated in 2023 due to definitive closure. However, the public accessibility to the network remained unaffected, as other nearby locations continue to serve residents effectively.

MARR	2020	2021	2022	2023
Active Sites (year-end)	190	199	202	211
Deactivated Sites	1	3	10	1
New Registered Sites	10	12	13	10
Regional Districts Covered	25	27	27	27
Collection Events	3	6	5	19

4.4 COLLECTION EVENTS

Successful Achievements and Collaborations

In many rural and remote areas, communities are best served by holding end-of-life appliances collection events as needed.

MARR fully supports all rural collection events, by partnering:

- With communities directly
- With regional districts that are already serving their rural communities
- With the BC First Nation Recycling Initiative (FNRI), a program initiated by product stewardship agencies that was specifically created to support and collaborate with Indigenous communities on recycling issues
- And with the Indigenous Zero Waste Technical Advisory Group (IZWTAG), an independent society assisting First Nations to implement Zero-waste programs



IZWTAG
INDIGENOUS ZERO WASTE
TECHNICAL ADVISORY GROUP

In addition to working with our 211 active collection locations across BC, MARR participated in the removal of end-of-life large appliances at 19 collection events in 2023, an increase of 300% compared to the total of collection events achieved in 2022.

As shown on the map, these events were spread across the province. Over 11,000 units were removed during these collection events.



2023 Spotlight Initiatives

Amongst these 19 collections events, 2 communities requested outstanding organization from the MARR team and its partners:

- Taku River Tlingit First Nation, a community with traditional territories in the Yukon Territories, in northern British Columbia, Canada and in Alaska, United States
- Haida Gwaii, the not-so-easily accessible North Coast archipelago that contains a tight-knit community of just over 4,000 residents



Taku River Tlingit First Nation

MARR had previously helped Taku River Tlingit First Nation with their large appliances cleanup back in 2019. In May 2023, they contacted MARR again, as their community had around 100 large appliance units that they wanted to dispose of correctly. During the conversation with Taku River Tlingit First Nation, MARR found out that the nearby community of Atlin also had many large appliances dumped at their landfill.

Both sites were located 1,250 km from the closest recycling centre. In addition to the distance, the road from the sites crossed the BC-Yukon border three times, adding to the logistical difficulties. Once this was brought to our attention, MARR immediately contacted ABC Recycling (metal recycling company), who agreed to help remove these large appliances from the landfills and transport them to proper disposal facilities.



After organizing the ODS removal with All Yukon Refrigeration, located in Whitehorse, Yukon (180 km from Atlin), MARR faced several major challenges. Firstly, MARR learned that the cleanup wouldn't be possible at the Taku River Tlingit First Nation dump, due to the site being too small for the trailer to load the appliances, as well as the lack of proper equipment on-site. As a result, MARR reached out to the community of Atlin to help Taku River Tlingit First Nation move their appliances to the Atlin landfill.

Once this was complete, MARR scheduled the first load to be picked up by ABC Recycling in early September 2023. However, the team faced a second major challenge, as Highway 37 was closed in both directions due to the Little Blue River wildfire. As a result, the pickup was postponed for several weeks. The first load was finally picked up a few weeks later. One month later, just before the snowy season would have made this endeavour even more challenging, three full truckloads successfully removed the pileup of large appliances from Taku River Tlingit First Nation and the community of Atlin. An estimated 206 units were collected in total.

You can find the complete account of this collection event in [MARR's blog](#).



Haida Gwaii

MARR has been collecting units from Haida Gwaii since mid-December of 2020 from 4 permanent collection sites in the area. Despite these efforts, there has been a historical scrap metal pile, which included household appliances, that was not being addressed, as the cost to sort and transport the materials exceeded the revenue that the sale of the metal would generate. This issue was made very evident by this metal pile that had been continuously growing for nearly two decades in Haida Gwaii. The manager of the 4 MARR collection sites in the area has tried for over 12 years to find a solution.

Once MARR received word of this, the team knew it was crucial to work on the removal of this material to prevent further contamination of the surrounding areas. Although the MARR mandate is to focus on the recycling of large appliances, which accounted for roughly 60% of the total volume of the material, the team was resolved to remove and properly dispose of all the material in the pile, as they recognized the collective responsibility we all have to keep our ecosystems clean and healthy.

In 2022, MARR began its search for transporters who would be willing to partner on this cleanup project. Given that Haida Gwaii is in a remote location that is not easily accessible and the sheer volume of work that would be involved, it wasn't until 2023 that the team found a partner willing to take on a project of this magnitude. In June 2023, cleanup began in partnership with Kristoff Trucking, based in Port Edward, near Prince Rupert.

After 6 months of hard work, the scrap metal removal project was completed on December 7, 2023. The Port Clements landfill and Skidegate Transfer Station yielded approximately 950 and 350 metric tonnes of scrap materials, respectively. While the initial plan was to only clean up the single pile at the Port Clements landfill, the team was able to also tackle the growing pile at the Skidegate Transfer Station, which was a bonus in terms of the higher-than-expected impact this cleanup was able to make on more than one location.

In total, the team loaded a total of 47 flat deck trailers with either loose scrap metal in roll-off bins or bales of compressed metal. The full story can be read in [MARR's blog post](#).

Key Facts



- Two decades of scrap metal pile
- Two sites:
 - Port Clements Landfill
 - Skidegate Transfer Station
- Estimated 11,000 large appliances collected*
- 85 nautical miles = 160 km (6hr + 1hr drive)
- 6 months of work (June – November)
- 47 trips
- 1,300 metric tonnes of scrap metal removed

*This estimation is derived from a regression analysis conducted using previous years data collected from permanent sites.

ENVIRONMENTAL IMPACT

5.1 ENVIRONMENTAL IMPACT

5.2 POLLUTION PREVENTION HIERARCHY

5.3 DESIGN FOR THE ENVIRONMENT



05

5.1 ENVIRONMENTAL IMPACT

MARR's Stewardship Plan works with the pre-existing private-sector businesses that collect and process major appliances. MARR's approach is to work within the existing market-based supply chain, creating a hybrid system. Because processors purchase major appliances directly from MARR-contracted collectors, MARR has no involvement in this aspect of the process. MARR collectors are responsible for working with metal recyclers that adhere to the applicable environmental, health and safety laws and regulations, as specified in the MARR Processing Standard.

The MARR Processing Standard has been developed by the Major Appliance Recycling Roundtable (MARR) in fulfillment of its commitment under the Stewardship Plan for the management of major household appliances at end-of-life. It exists for the use of individuals, corporations and municipal governments in BC that are engaged in the pre-processing or decommissioning of some or all of the products covered under the Stewardship Plan.

This qualification standard must be met by every collector under the MARR program. The purpose of the MARR Product Processing Standard is to articulate best practices in, and support efforts of, all participants in the metal recycling industry to improve the environmental practices associated with the decommissioning and recycling of end-of-life major appliances. The standard is based largely on existing regulatory requirements applicable to the management of end-of-life major appliances. Members of the metal collection industry are encouraged to become a signatory to the MARR Processing Standard as a statement to consumers and the rest of the metal recycling industry of their commitment to the responsible management of end-of-life appliances and their compliance with all applicable laws and regulations.

*Although the major appliance industry continues to make advances in providing refrigeration methods that are less harmful to the environment, refrigerant in current refrigerating appliances contains ozone-depleting substances (and other halocarbons), and it must be evacuated and managed responsibly according to regulations when a refrigerating appliance reaches end-of-life.

MARR's Processing Standard requires that all contracted collection sites adhere to provincial regulations for the handling of ozone-depleting substances and other halocarbons, as well as use "approved persons", as defined by regulation, to track and report on the amount of substance of concern evacuated from decommissioned refrigerating units. Before the metal can be recycled, MARR collection sites are required to have all refrigerating units checked by a certified technician to professionally remove these substances of concern. Gas safely collected is subsequently sent for safe recycling or safe destruction.

In addition, MARR's Processing Standard requires signatories to inspect all refrigerant-containing appliances for PCB capacitors and mercury switches, and dispose of these potentially harmful components. To help collectors with this requirement and ensure the safe and proper disposal of the components, MARR has designed and provided a specific methodology for the recognition, removal and disposition of PCB capacitors and mercury switches. Compressor oil, another substance of concern, is contained until processing; it's the responsibility of the processor to handle it in accordance with their local regulations.

In 2023, MARR performed 85 collection site audits to review the adherence to the Processing Standard and to validate that the procedures used by approved ODS technicians follow the guidelines established by provincial regulations.

*See https://www.aham.org/AHAM/News/Latest_News/Climate_Action_Sustainability_Commitment.aspx.

FINAL DISPOSITION OF MATERIAL COMPONENTS

Acceptable final disposition of material components, in accordance with the approved Stewardship Plan:

Material Component	Recycled	Reused	Landfilled	Safely Destroyed
Ferrous Metal	X			
Non-Ferrous Metal	X			
Plastic			X	
Refrigerant		X		X
Other ¹			X	X ²

¹ Major appliances are primarily metal and plastic, with smaller amounts of other materials such as glass, rubber, foam, paper, electronics, oils and mercury.

² The Processing Standard requires safe handling of all substances of concern, such as mercury or oils, in line with applicable laws and regulations. MARR has designed and provided a specific methodology for the recognition, removal and disposition of PCB capacitors and mercury switches.

ESTIMATED CONFORMANCE WITH ACCEPTABLE FINAL DISPOSITION

Material Component	Recycled	Reused	Landfilled	Safely Destroyed
Ferrous Metal	74% ¹			
Non-Ferrous Metal				
Plastic			26% ¹	
Refrigerant ²				
Other				

¹ At this time, MARR is unable to obtain information from third-party vendors regarding the exact volume of material components of major appliances and the degree of certainty over the processing pathways. Therefore, end-fate data is based on estimates from two BC-based metal processors surveyed in the System Study*. These processors estimate the material composition of major appliances to be approximately 74% metal. Of this metal, processors estimate that 98% of ferrous and non-ferrous metal is recovered and recycled back into the commodities market. It is unknown at this time where the metals are processed and re-entered into the commodities market. The remaining 26%, other than substances of concern, does not undergo further processing and is currently sent to landfill.

² During 2023, MARR managed the safe removal of ODS gas or other halocarbons by "approved persons", as defined by the BC Ozone Depleting Substances and Other Halocarbons Regulation, from 122,731 units. At this time, MARR is unable to obtain government manifests specifying final disposition of these substances, as ownership of the product is not transferred to MARR. To mitigate the risk of unsafe disposal, delivery records are received from collectors confirming delivery of ODS gas and other halocarbons to refrigerant wholesalers for safe reuse or disposal. However, it is not possible to reconcile details, such as weight of ODS removed, as recorded on internal records, to the delivery records provided by collectors.

*The System Study refers to a study of the BC market-driven system for major appliance recycling conducted in 2013 by waste consultant, Ecoinspire Planning Services, on MARR's behalf. *The Study on the Operations and Effectiveness of the Major Appliance Collection and Recycling System in British Columbia*, May 8, 2014 report examined the operation and performance of the existing collection and recycling system.

5.2 POLLUTION PREVENTION HIERARCHY

MARR strives to promote the principles of the pollution prevention hierarchy as much as possible, including the environmental impact initiatives outlined on the previous page.

According to research conducted for the System Study*, 99.9% of major appliances have a lifespan of between 10 and 20 years. This long life often results in a product having many different owners over its lifetime, usually facilitated by a used appliance retailer or refurbisher. Refurbishers are organizations involved in appliance reuse or the reuse of parts. They generally receive used major appliances from commercial generators or through retailers. The main goal of the refurbisher is to resell the unit into the second-hand market, or at least use some of the parts for appliance repair.

Once an appliance is retired or reaches EoL, it enters the collection system described in section 4. Major appliances are primarily metal (both ferrous and non-ferrous), with smaller amounts of other materials such as glass, rubber, foam, paper, plastics, electronics, refrigerants, oils and other substances where applicable.

Based on the System Study, which includes responses from the BC-based processors, the material composition of major appliances is reported to be approximately 75% metal. Of this metal, processors report that 98% of ferrous and non-ferrous metal that enters the shredder is recovered and recycled back into the commodities market.

The processors estimate that 74% of materials is recycled (mostly ferrous and non-ferrous metal). The remaining 26%, other than substances of concern, does not undergo further processing and is currently sent to landfill.

MARR continues to examine the management of shredder residue and to identify opportunities for achieving higher end uses of residual materials.

In addition to the ODS gases collection, MARR's Processing Standard requires signatories to inspect all refrigerant-containing appliances for PCB capacitors and mercury switches and remove them. Those components are classified as substances of concern:

- Mercury switches were used in chest freezers to turn on a light inside the unit. Due to the harmful effects mercury has on the environment, manufacturers phased out mercury switches starting in 1980. Those components have not been used in freezers since 2000.
- PCB capacitors were components used for long-running systems such as air conditioners; classified as harmful for the environment, PCB capacitors have not been used since 1979

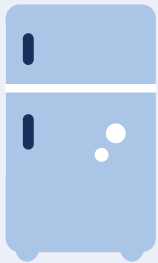
As large appliances from previous generations are still in circulation, in 2021 MARR enhanced management of substances of concern by designing a specific methodology to help collectors recognize, collect, and dispose of mercury switches and PCB capacitors safely. This methodology and process training were refined in 2022 and offered to all MARR collectors and ODS technicians. Under this methodology, ODS technicians identify and remove PCB capacitors and mercury switches during the ODS extraction process. These components are stored in marked containers provided by MARR that meet the requirements of all applicable regulations. Once those containers have reached capacity, technicians contact MARR to organize pickup. MARR manages the components being sent to third-party hazardous waste processors for proper and safe disposal. In 2023, 1,935 mercury switches and 28 PCB capacitors were collected by the MARR collection sites.

*MARR's System Study, *The Study on the Operations and Effectiveness of the Major Appliance Collection and Recycling System in British Columbia* referenced findings from a 2005 report produced by R.W. Beck and Weston for the Association of Home Appliance Manufacturers titled *Recycling, Waste Stream Management and Material Composition of Major Home Appliances*.

5.3 DESIGN FOR THE ENVIRONMENT

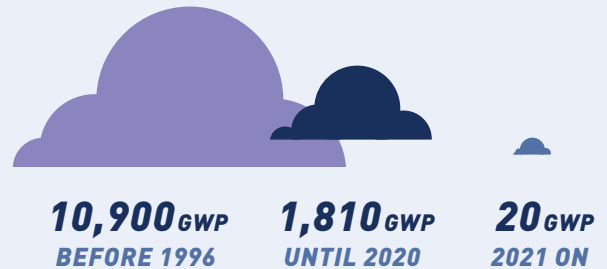
The home appliance industry has a history of implementing design changes and transitioning to the use of materials that lessen the environmental footprint of home appliances, both in their use and in management at end-of-life. This includes using more environmentally friendly refrigerants, dramatically reducing energy and water use, and incorporating recyclable materials, both in appliances and in appliance packaging.¹

In the past, the home appliance industry transitioned to refrigerants to improve energy efficiency, cost-effectiveness and safety, and to reduce environmental impacts. The industry is currently transitioning away from very high-GWP (Global Warming Potential) hydrofluorocarbon (HFC) refrigerants in refrigerators and freezers, window air conditioners, portable air conditioners and dehumidifiers.² The appliance industry will phase out the use of HFCs in full-size refrigerators and freezers (compact units in 2021 and built-ins in 2024) as mandated by several US state laws.³ In addition, Environment and Climate Change Canada (ECCC) has issued regulations that will prohibit the use of HFC with GWP as a blowing agent or refrigerant in household refrigerators starting January 1, 2021 and January 1, 2025, respectively.⁴



DECREASING THE ENVIRONMENTAL IMPACT OF REFRIGERANT GASES

Global Warming Potential (GWP) of refrigerant gas (as compared to CO₂ with a value of 1.0)



Home appliances are a recycling success story. Major appliances are recycled at a high rate, driven by the market value of the metals used in their manufacturing.

Recent consumer surveys conducted by the Association of Home Appliance Manufacturers (AHAM) show that major appliances have an average lifespan of 10 years, with some variation based on product type. This data is consistent with previous studies.⁵ At end-of-life, major appliances take on new value as an important manufacturing raw material, including as scrap steel. In major appliances, ferrous material can account for 40 to 60% of a product's total weight. Furthermore, the most used materials, by weight, for appliance packaging paper and wood, which are materials that are highly recyclable.

1 See https://www.aham.org/AHAM/Environment/Plastics_Packaging.aspx?hkey=d15bf9d6-54d5-4e2d-abac-25785bc11435.

2 See https://www.aham.org/AHAM/News/Latest_News/Climate_Action_Sustainability_Commitment.aspx.

3 [California](#), [Vermont](#) and [Delaware](#) are just a few of the states setting regulations to mandate the HFC phase-out.

4 Ozone-depleting Substances and Halocarbon Alternatives Regulations (SOR/2016-137), <https://laws.justice.gc.ca/eng/regulations/SOR-2016-137/index.html>.

5 Burns & McDonnell, *Analysis of Appliance Recycling in the U.S. and Canada* (2017).

UNITS SOLD AND COLLECTED

6.1 RECYCLING BY THE NUMBERS

6.2 REGIONAL COLLECTION

6.3 UNITS SOLD AND COLLECTED



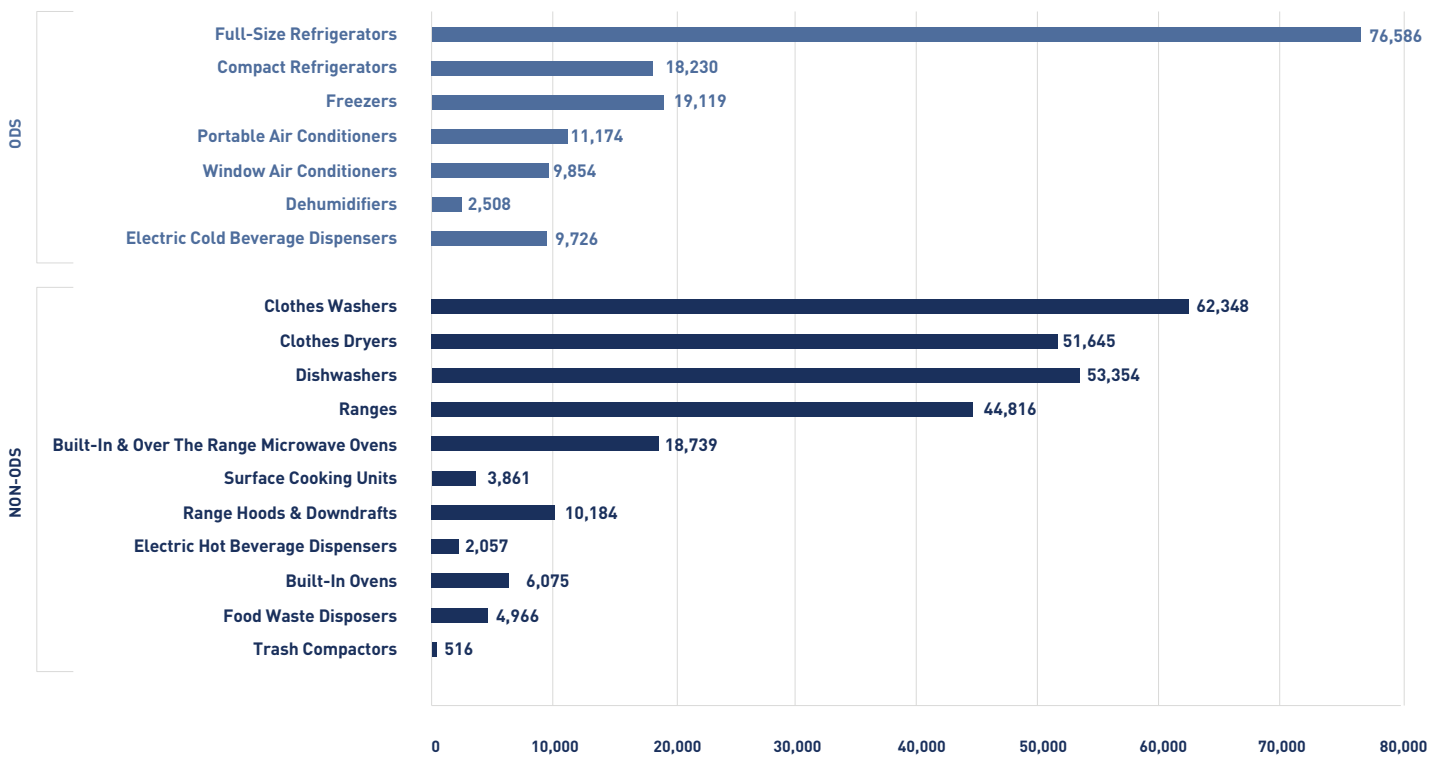
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6.1 RECYCLING BY THE NUMBERS

In 2023, 405,758 end-of-life large appliances were collected.

Of the units collected, 147,197 contained gases known as ozone-depleting substances (ODS) and other halocarbons. MARR managed the removal of ODS gas from 83.4% of the units.

UNITS OF MARR PRODUCTS CLAIMED (YTD)



ODS units are serviced and counted by independent third-party certified technicians (independent technicians) or serviced by collectors' staff who are certified technicians (collector technicians). In 2023, 147,197 ODS units were serviced:

• ODS units serviced by independent technicians	118,451
• ODS units serviced by collector technicians	<u>28,746</u>
• Subtotal ODS units	147,197
• Non-ODS units	258,561
• Total Units Collected	405,758*

*This figure and all figures present in this page reflect the total units gathered by the MARR collectors in 2023, in addition to the units amassed during two major collection events (Haida Gwaii and the Taku River Tlingit First Nation). For additional details on these events, refer to pages 18-21.

6.2 REGIONAL COLLECTION

MARR REGIONAL RETURNS (UNITS/CAPITA PER 000)

REPORTING PERIOD: JANUARY 1 TO DECEMBER 31, 2023

See Appendix 2 for a detailed list of collection sites.

Source: [Province of British Columbia - Population Estimates](#)

Regional Districts	2023 census			
	# of Sites	Population (2023 census)	Units Collected ³	Units/Capita (per 000)
Alberni-Clayoquot	2	36,156	2,803	77.53
Bulkley-Nechako	8	41,240	4,420	107.18
Capital	6	457,478	29,228	63.89
Cariboo	24	67,499	7,011	103.87
Central Coast	1	3,800	110	28.95
Central Kootenay	14	66,756	7,856	117.68
Central Okanagan	5	247,216	20,215	81.77
Columbia Shuswap	13	61,320	11,985	195.45
Comox Valley	4	78,352	4,749	60.61
Cowichan Valley	3	96,036	2,516	26.20
East Kootenay	6	69,802	6,294	90.17
Fraser-Fort George	12	106,271	7,460	70.20
Fraser Valley	8	359,110	19,499	54.30
Kitimat-Stikine	7	42,263	1,417	33.53
Kootenay Boundary	7	35,148	2,969	84.47
Metro Vancouver	27	2,950,509	182,954	62.01
Mount Waddington	5	12,206	923	75.62
Nanaimo	4	183,317	22,174	120.96
North Coast	6	20,059	13,821 ¹	689.02
North Okanagan	5	98,292	10,251	104.29
Northern Rockies ²	0	4,939	-	-
Okanagan-Similkameen	6	94,618	6,131	64.80
Peace River	4	69,085	625	9.05
qathet	2	22,345	7,781	348.22
Squamish-Lillooet	4	51,717	3,957	76.51
Strathcona	6	52,740	5,149	97.63
Sunshine Coast	3	34,039	5,061	148.68
Thompson-Nicola	19	155,966	18,193	116.65

¹This figure represents the total units gathered by the MARR collectors in 2023, in addition to the units amassed during the 2023 Haida Gwaii collection event. For additional details on this event, refer to page 21.

²Northern Rockies holds large appliance collection events as needed.

³206 additional units were recovered from Atlin, which is located in an unincorporated region of BC

6.3 UNITS SOLD AND COLLECTED

MAJOR APPLIANCES RECYCLING ROUNDTABLE UNITS SOLD AND COLLECTED

YEAR ENDING DECEMBER 31, 2023

Category	2022		2023	
	Units Sold	Units Collected	Units Sold	Units Collected
Refrigerant Appliances:				
Full-Size Refrigerators	166,845	71,270	162,982	76,586
Compact Refrigerators	67,000	15,596	61,910	18,230
Freezers	97,585	17,655	86,947	19,119
Electric Water Dispensers	17,510	10,135	16,641	9,726
Window Air Conditioners	61,942	8,211	33,773	9,854
Portable Air Conditioners	156,303	7,883	124,475	11,174
Dehumidifiers	16,274	2,410	13,703	2,508
Subtotal	583,459	133,160	500,431	147,197
Non-Refrigerant Appliances:				
Clothes Washers	145,718	53,470	147,626	62,348
Clothes Dryers	109,209	44,551	107,027	51,645
Ranges	117,106	39,384	111,243	44,816
Range Hoods & Downdrafts	74,856	9,664	68,584	10,184
Built-In Ovens	21,603	6,654	22,364	6,075
Built-In & Over The Range Microwave Ovens	52,240	16,065	50,474	18,739
Surface Cooking Units	18,994	4,292	18,695	3,861
Dishwashers	136,507	45,875	135,901	53,354
Food Waste Disposers	24,136	5,180	21,796	4,966
Trash Compactors	268	406	932	516
Electric Hot Beverage Dispensers	1,705	1,033	1,914	2,057
Subtotal	702,342	226,574	686,556	258,561
Total	1,285,801	359,734	1,186,987	405,758*

*This figure represents the total units gathered by the MARR collectors in 2023, in addition to the units amassed during two major collection events (Haida Gwaii and the Taku River Tlingit First Nation). For additional details on these events, refer to pages 18-21.

MARR will continue to review the collection performance for the subcategories of products covered by the plan. In 2024, we will continue to expand the collection network, maintain an effective consumer awareness campaign and build historical data to better evaluate performance.

MARR will not be reporting collection based on a capture rate. Historically, the capture rate used mathematical calculation to estimate the number of units that are potentially available for collection. However, because of the extended lifespan of large appliances, the capture rate is highly subjective. MARR will report on units sold and collected in a calendar year. MARR has submitted plan amendments to the Ministry of Environment and Climate Change Strategy that contain this update, which was approved as of April 2021.

FINANCIAL PERFORMANCE

7.1 FINANCIAL OVERVIEW

7.2 RESERVE FUND

7.3 ADMINISTRATIVE PROGRAM FEES



07

7.1 FINANCIAL OVERVIEW

REVENUES

MARR is funded through Administrative Program Fees (APFs) that are charged at the point of sale for new appliances sold in BC. An APF is not a tax, nor is it a refundable deposit. APFs for different products are established by MARR related to the cost of recycling the materials contained in the product and the cost of administering the program generally. MARR's Other Revenue is comprised of Commodity Revenue from scrap metals and interest on deposit balances.

In 2023, the Board of Directors and the management of MARR reviewed financial forecasts and the Board approved APF fee reductions recommended by management, which became effective April 1, 2023. This reduction of APFs resulted in a planned deficit in 2023.

EXPENDITURES

Administration

Management of contracts, service providers and system development studies.

Audit

As an extended producer responsibility program under BC's Recycling Regulation and approved by the Ministry of Environment and Climate Change Strategy, MARR is required to undertake internal and third-party audits of financial and non-financial aspects.

Collection Costs

MARR pays the cost for collection at each collection site. In return, each site provides no-cost drop-off to the public for all products covered in the MARR program, and it reports collection statistics to MARR on a monthly basis. MARR also reimburses the cost of ODS removal to the collector by an approved person.

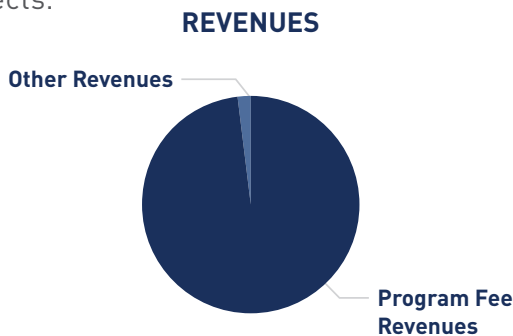
Consumer Education and Awareness

MARR provides information to the public to encourage people to recycle their large appliances in a responsible way.

Transportation

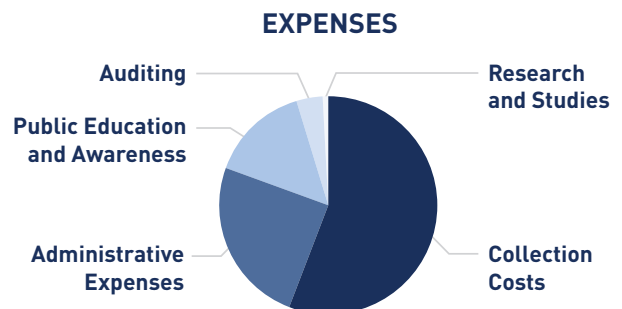
Should commodity values be insufficient to pay for the cost of transporting the program products to market, MARR will compensate the collector for the difference between transportation invoices for the major appliance portion (by weight) of any load and the price received for the metal.

MARR pays the transportation costs for all drop-off events held by remote and rural communities where accessibility to the collection network is unavailable.



Program Fee Revenues	\$	4,948,120	90.00%
Other Revenues	\$	549,688	10.00%

Total Revenues \$ 5,497,808



Collection Costs	\$	3,300,473	57.83%
Administrative Expenses	\$	\$1,360,532	23.84%
Public Education and Awareness	\$	815,278	14.29%
Auditing	\$	197,434	3.46%
Research and Studies	\$	33,073	0.58%

\$ 5,706,790

7.2 RESERVE FUND

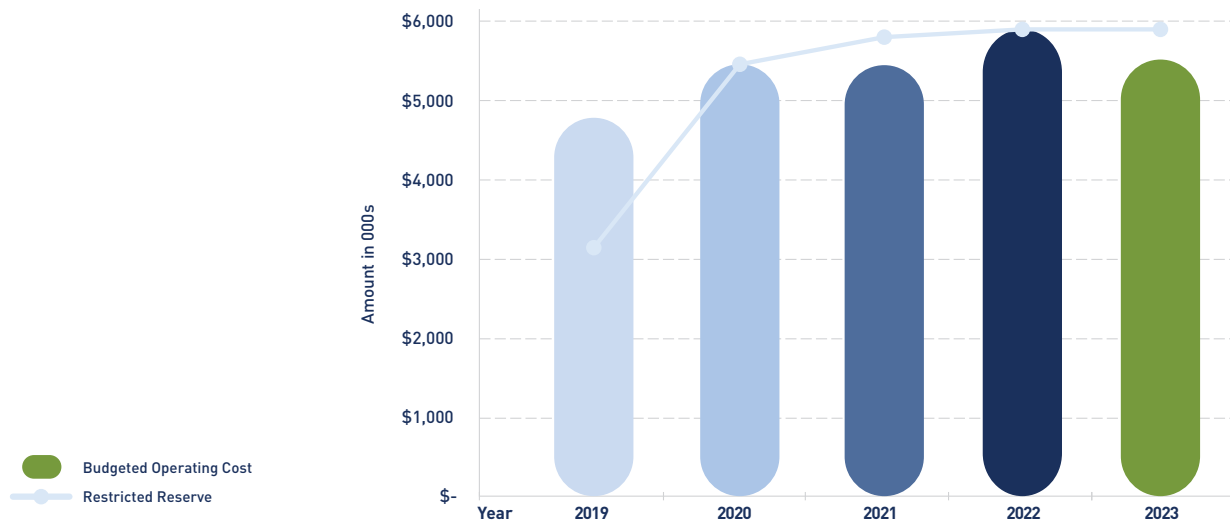
In 2015, the Board of Directors passed a resolution to establish a reserve fund. The purposes of the reserve fund are:

- To assist in stabilizing APFs by being available to manage year-to-year revenue and costs due to volume fluctuations
- To cover the costs of dissolving the program by the decision of the members or because of regulatory change, in an orderly manner
- To cover any claims against the program, Board of Directors or staff in excess of the program’s insurance coverage

- To cover the costs of any unanticipated or extraordinary items
- To fund other special projects to enhance the recycling of major appliances
- To fund the purchase of capital equipment
- To cover the cost of managing products with long lifespans, for which collection may occur well in the future

Transfers to the fund are made upon resolutions passed by the Board of Directors. Total contributions to the reserve fund are targeted to be approximately one year’s operating expenses.

For the reserve fund to be effective, MARR has established that a reasonable reserve fund is expected to be around the annual budgeted operating cost of the program.












7.3 ADMINISTRATIVE PROGRAM FEES

MARR operates a system that is completely self-reliant: we collect fees for those products for which we have responsibility and we work with private, and public-sector partners to appropriately manage the end-of-life of those products. Administrative Program Fees (APFs) are the fees MARR charges on the sale of all new large appliances in BC. An APF is not a tax, nor is it a refundable deposit. APFs for different products are established by MARR related to the cost to recycle the materials contained in the product and the cost to administer the program generally.

In 2023, the Board of Directors and the management of MARR reviewed financial forecasts and the Board approved fee reductions recommended by management, which became effective April 1, 2023. MARR believes that this fee reduction will balance the long-term viability of the program and the fiscal responsibility obligations that are outlined in our stewardship plan. MARR also believes that this reduction in fees is also aligned with the effort to alleviate the impact of living expenses on consumers.

Please refer to the following table to overview the previous fees and the fee reduction per appliance type effective April 1, 2023.

Appliance Type	APFs (Effective Apr. 1, 2021)	APFs (Effective Apr. 1, 2023)
 Full-Size Refrigerators	\$9.50	\$6.50
 Compact Refrigerators	\$9.50	\$6.50
 Freezers	\$9.50	\$6.50
 Window Air Conditioners	\$9.50	\$6.50
 Portable Air Conditioners	\$9.50	\$6.50
 Dehumidifiers	\$9.50	\$6.50
 Clothes Washers	\$2.50	\$2.00
 Clothes Dryers	\$2.50	\$2.00
 Ranges	\$2.50	\$2.00
 Range Hoods & Downdrafts	\$2.50	\$2.00
 Built-In Ovens	\$2.50	\$2.00
 Built-In & Over The Range Microwave Ovens	\$2.50	\$2.00
 Surface Cooking Units	\$2.50	\$2.00
 Dishwashers	\$2.50	\$2.00
 Food Waste Disposers	\$2.50	\$2.00
 Trash Compactors	\$2.50	\$2.00
 Electric Hot Beverage Dispensers	\$2.50	\$2.00
 Electric Cold Beverage Dispensers	\$9.50	\$6.50

GOVERNANCE

8.1 OUR APPROACH TO THE GOVERNANCE OF MARR

8.2 LOCAL GOVERNMENT INVOLVEMENT



08

8.1 OUR APPROACH TO THE GOVERNANCE OF MARR









MARR is a not-for-profit corporation incorporated under the Canada Not-for-Profit Corporations Act and plays an essential role in the stewardship of end-of-life major household appliances in the province of British Columbia. As a producer responsibility organization designated to implement the Stewardship Plan in BC on behalf of most major appliance-obligated producers, MARR recognizes the importance of good corporate governance and ensuring high standards of accountability and transparency to its stakeholders.

OUR BOARD

As stewards of MARR, our Board of Directors is collectively responsible for charting MARR's future and ensuring appropriate systems are in place to allow MARR's management to implement the vision, strategic direction, and risk appetite set by the Board. The Board meets quarterly and also meets annually on the strategic plan.

Our 8-person Board is composed of an equal number of nominees from our two members, the Retail Council of Canada (RCC) and the Association of Home Appliance Manufacturers (AHAM), with one appointee being an RCC employee and one appointee being an AHAM employee. Directors serve three-year terms and may be re-appointed by their appointing parties for additional terms.

Our current Directors and a summary of their competencies are listed below*:

 <p>JULIE YAN, BOARD CHAIR Hudson's Bay Company</p> <p>Appointed: February 2018 Term ending: June 2024 Based: Toronto, Ontario Areas of Expertise: Governance, Human Resources, Leadership Other: Director, Sustainability & Social Compliance</p>	 <p>KIMBERLEE JOHNSON, VICE CHAIR Danby Appliances</p> <p>Appointed: September 2018 Term ending: June 2025 Based: Guelph, Ontario Areas of Expertise: Accounting and Finance, Industry knowledge, Leadership Committees: Finance, Human Resources Other: Claims Management Team Lead</p>	 <p>JENNIFER BARR, DIRECTOR Best Buy Canada</p> <p>Appointed: March 2022 Term ending: June 2024 Based: Vancouver, British Columbia Areas of Expertise: Leadership, Strategic planning, Accounting and Finance Committees: Finance Other: VP & Category Officer, Wireless, Wearables & Portable Audio</p>	 <p>MAJA CZUBERNAT, DIRECTOR Samsung Electronics Canada Inc.</p> <p>Appointed: June 2022 Term ending: June 2024 Based: Mississauga, Ontario Areas of Expertise: Governance, Leadership, Risk Management Committees: Governance Other: General Counsel</p>
 <p>GRANT GARRARD, DIRECTOR The Home Depot Canada</p> <p>Appointed: December 2016 Term ending: June 2024 Based: Toronto, Ontario Areas of Expertise: Accounting and Finance, Governance Committees: Finance (Committee Chair) Other: Manager Rental Operations</p>	 <p>MEAGAN HATCH, DIRECTOR Association of Home Appliance Manufacturers</p> <p>Appointed: June 2019 Term ending: June 2024 Based: Ottawa, Ontario Areas of Expertise: Industry Knowledge, Governance, MARR Relationships Committees: Governance, Human Resources (Committee Chair) Other: Vice President and Managing Director</p>	 <p>ASHLEY O'BRIEN, DIRECTOR Whirlpool Canada LP</p> <p>Appointed: June 2022 Term ending: June 2024 Based: Mississauga, Ontario Areas of Expertise: Human Resources, Industry Knowledge Committees: Human Resources Other: Senior Division Sales manager</p>	 <p>GREG WILSON, DIRECTOR Retail Council of Canada</p> <p>Appointed: December 2016 Term ending: June 2024 Based: Vancouver, British Columbia Areas of Expertise: Governance, Industry knowledge, MARR relationships Committees: Governance (Committee Chair), Finance Other: Director, Government Relations (BC)</p>

*The areas of expertise noted for the individual director are the top areas for that director within the categories defined in MARR's Skills and Competency Matrix. They do not reflect all the areas of expertise the director brings to MARR.

OUR GOVERNANCE STANDARDS AND PRINCIPLES

At MARR, we aspire to uphold high standards of governance which reflect not only legal requirements but also emerging best practices that are aligned with our strategy and risk appetite. The Board's priority is to advance the long-term success of MARR and we recognize that a strong system of governance for MARR fosters trust by MARR's stakeholders. As such, we believe that good governance is not just about overseeing MARR, but doing so in a way that is transparent, accountable, ethical, and shapes a sustainable future for MARR and its stakeholders. The Board does this by actively understanding the needs of MARR's stakeholders and the opportunities and challenges of a changing industry and external environment, approving the strategic direction for MARR, knowing MARR's business and key risks and setting risk appetite, constructively overseeing and challenging management, and setting robust policies and practices that guide MARR on delivering on its vision and mission. The Board has delegated to the Executive Director overall responsibility for the day-to-day operations of MARR within its Bylaws, the parameters set by the Board and the terms of its agreement with its members.

The core principles that drive our approach to governance are:



Clear Accountability:

In order for MARR to be successful, all players in the governance system (e.g., the Ministry, Board, Observers, Members, management) need clearly defined mandates, roles, and lines of accountability



Strong Alignment:

Structure and practices facilitate, where possible, strong alignment of vision, objectives, strategic priorities, and purpose



Sustainable:

The governance framework needs to work for MARR now and into the future as it grows and expands. The governance framework will need to be built with a balance of stability and flexibility to change as MARR evolves



Evaluative:

Frameworks, structures, and practices foster an environment of continuous improvement to encourage innovative thinking within MARR



Open and Transparent:

Clarity exists around decision-making responsibilities. Individuals can follow and understand the decision-making process. Governance processes build trust



KEY FEATURES OF OUR GOVERNANCE

The Board is focused on being a leader in governance among Canadian producer responsibility organizations and in collaboration with management, has deliberately designed MARR’s governance structures and decision-making practices to enable the successful realization of MARR’s vision and mission. Core elements of MARR’s system of governance include alignment on a clear direction for MARR, a Board that brings diverse perspectives, a clear and understandable governance framework with defined roles and responsibilities, strong oversight of areas critical to MARR’s long-term success, and a focus on development and continuous improvement.

Strategic Direction

We have established a clear strategic direction to build alignment for the future



- In 2022, the Board approved MARR’s first strategic plan with strategic pillars, priorities, and initiatives identified to allow MARR to deliver the best-possible environmental outcomes in the most effective and financially responsible manner.
- The strategic plan was co-developed by the Board and management team and serves to build alignment amongst the Board and management team in the long-term stewardship of MARR towards achieving its vision and mission.
- The Board regularly monitors the implementation of the strategic plan and conducts an annual strategic planning session to review and update MARR’s strategic priorities and initiatives as needed to respond to evolving circumstances.

Focus on Board composition

We strive towards ensuring a diverse and inclusive board composition to enhance effectiveness and add value



- MARR aims to have a Board that is both diverse and inclusive to ensure a variety of perspectives are brought forward for effectively addressing MARR’s strategic directions and needs.
- Bi-annually, or as required, the Board develops a Board Competencies Matrix to support MARR’s members in making future appointments to the Board. The Competencies Matrix outlines the ideal picture of overall Director competencies and attributes given MARR’s strategic priorities, and is used to assess the Board’s current composition and needs in each relevant area.
- The matrix also helps inform the Board’s annual education and development plans based on the needs and knowledge gaps identified by the Directors.
- On our current Board of Directors, we have Directors who bring relevant skills and experiences in accounting and finance, governance, human resources, industry knowledge and relationships, risk management, strategic planning, and strategic leadership. As well, we have six individuals identifying as female (representing 75% of the Board) and a range of ages and cultural diversity. As we serve stakeholders that operate across the country, we also aim to achieve regional diversity and have Directors who are resident in both British Columbia and Ontario.

Governance Framework

We have a clear governance framework to guide our work and lay a solid foundation for management and oversight



- The Board has developed a Governance Manual to describe the Board's policies in carrying out its governance responsibilities related to the stewardship of MARR, considering its mandate, vision, and mission. The Manual has been designed considering effective practices for the governance of an independent producer responsibility organization.
- Among other things, the Manual provides clear guidance on the roles, authorities, and division of responsibilities of the Board, Executive Director, Board Committees, individual Directors, key Board roles (Board Chair, Vice Chair, Observers, Board Secretary), and describes at a high-level the Board's process with respect to its oversight responsibilities in areas critical to MARR.
- The Manual also describes expected standards of conduct for Directors. As a living document, the Governance Manual is regularly reviewed and updated by the Board as needed.

Committee Structure

We have a strong committee structure to support the board's work



To support the Board's work in carrying out its role and oversight responsibilities, the Board has established three standing committees that meet quarterly:

- Finance and Audit Committee: to assist the Board in fulfilling its governance responsibilities relating to financial reporting, regulatory compliance, setting and monitoring the annual budget, assessing and managing corporate strategic risks, assessing financial controls, and evaluating independent audit processes. This committee annually reviews eco-fees to ensure they are appropriate to pay the costs of managing end-of-life major appliances. The Committee also ensures there is a reasonable reserve to protect the system and adequate funds to respond in the event of an emergency.
- Governance Committee: to assist the Board in fulfilling its oversight responsibilities related to MARR's governance matters, including ensuring a sound system of governance is in place and monitoring compliance with key policies applicable to and governing MARR.
- Human Resources Committee: to assist the Board in fulfilling its oversight responsibilities related to MARR's human resource matters including the evaluation of the Executive Director's performance.

Culture

We foster a responsible and ethical culture



- MARR is committed to instilling a culture of ethical behaviour and operating with integrity in all of its practices.
- The Board has established:
 - Terms of reference which outline clear expectations of conduct for Directors.
 - Conflict-of-Interest Policy which outlines Directors' responsibility to properly disclose and appropriately manage any circumstances which may give rise to an actual or perceived conflict of interest in carrying their fiduciary duties.
- MARR has also established a Confidentiality Policy applicable to its Directors, Observers, and employees which outlines expectations and procedures for effectively protecting confidential information of MARR.
- Directors regularly review the expectations and potential application of these policies at every Board meeting.

Risk Framework

We have developed a robust risk oversight framework



- The Board ensures that MARR has a thorough risk management program pursuant to which material strategic, financial, reputation, governance, operational and other risks are identified, and systems are implemented to manage or eliminate those risks.
- In support of this, MARR has developed a structured and disciplined approach to enterprise-risk management (ERM) that fosters the implementation of a right-sized, pragmatic, and effective ERM program which adds significant value to MARR. This includes the establishment and regular review of a comprehensive risk register which identifies material areas of risk, the likelihood of occurrence and expected impact of such risks, and strategies for such risks. As well, the Board has established risk appetite statements for each material risk.
- The Board regularly reviews key risks and risk appetite statements when formalizing and monitoring implementation of its strategic priorities and initiatives.

Professional Development

We have set an effective orientation program and ongoing professional development for directors



- The Board strives to ensure that new Directors receive a thorough introduction to their role and to the business of MARR, and that all Directors have access to the resources they need to allow for effective ongoing professional development consistent with MARR's strategy and the roles and responsibilities of Directors.
- Guided by the leadership of the Governance Committee, the Board has established a comprehensive Director orientation program that consists of:
 - An in-depth orientation guide covering MARR's governance principles and policies; onboarding sessions with the Chair, Committee Chairs, Executive Director, and Board Secretary; tours of operations relevant to MARR's business; and a mentorship program where new Directors are matched with experienced Directors.
- MARR remains focused on key issues impacting MARR and its stakeholders and as such, takes a coordinated approach to education across the Board. The Governance Committee regularly organizes ongoing education sessions with external service providers focused on governance and other topics relevant to their role and MARR's strategic priorities.
- As well, MARR has a "board" membership with the Institute of Corporate Directors that provides access to the entire Board to a variety of ongoing educational opportunities designed to improve capabilities of Boards across Canada.
- Directors also receive tailored programs to address the particular needs of each Director based on their background, experience, and personal focus areas. Currently, the Executive Director and several Directors have completed or are working towards their ICD. D designation.

Continuous Improvement

We are committed to continually improving our performance and effectiveness



- The Board is committed to continuous improvement in its governance role to ensure it can be as strong as possible in shaping the future of MARR.
- The Board and individual Directors regularly review their effectiveness as part of their commitment to continuously improve their performance and effectiveness in the execution of their responsibilities. The Governance Committee annually leads the review and recommends to the Board the specific Board, Committee, Board Chair, and/or Director evaluation processes to be undertaken, the areas to be evaluated, and the methodology for such evaluation.
- In the last two years, the Board has engaged in an externally-led Board evaluation as well as an externally-led peer evaluation process for assessing the performance of individual Directors. The Board periodically updates its evaluation frameworks to align them with best practices that are appropriate for MARR's context.

8.2 LOCAL GOVERNMENT INVOLVEMENT

In 2013 MARR organized its first Local Government Advisory Council (LGAC) meeting to provide a forum for Regional Districts and municipalities representing urban, rural and remote communities in BC to give them the opportunity to share their unique perspective and feedback with MARR. These LGAC meetings allow MARR to better understand and service the needs of BC's diverse communities.

In 2023, when the representative of the First Nations Recycling Initiative stepped down from his role, MARR extended an invitation to the IZWTAG group. The aim was to have them join the LGAC meetings, thereby bolstering the collaboration with First Nations.

LGAC meetings, which are held three times per year, include the following members:



MARR also participates in meetings with local governments organized by:

- The Stewardship Agencies of British Columbia (SABC), an alliance of industry product stewardship organizations that plays a key role in promoting responsible waste management, recycling and environmental sustainability in British Columbia. Members meet 3 times a year while its subcommittees meet every month.
- BC Product Stewardship Council (BCPSC), a coalition of regional districts within British Columbia, with the primary focus to contribute to the success of extended producer responsibility programs in the province. Its members meet 3 times a year.

These meetings are often held in conjunction with the Coast Waste Management Association (CWMA) annual conference. CWMA is the highly regarded membership association serving the solid waste industry across British Columbia and beyond.

AUDITOR'S REPORTS

9.1 INDEPENDENT AUDITOR'S REPORT AND FINANCIAL STATEMENTS

9.2 INDEPENDENT PRACTITIONER'S REASONABLE ASSURANCE REPORT AND NON-FINANCIAL INFORMATION



09

9.1 INDEPENDENT AUDITOR'S REPORT AND FINANCIAL STATEMENTS

Financial Statements of

MAJOR APPLIANCE RECYCLING ROUNDTABLE

And Independent Auditor's Report thereon

Year ended December 31, 2023



KPMG LLP
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 Canada
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INDEPENDENT AUDITOR'S REPORT

To the Board of Directors of Major Appliance Recycling Roundtable

Qualified Opinion

We have audited the financial statements of Major Appliance Recycling Roundtable (the "Entity"), which comprise:

- the statement of financial position as at December 31, 2023
- the statement of operations for the year then ended
- the statement of changes in net assets for the year then ended
- the statement of cash flows for the year then ended
- and notes to the financial statements, including a summary of significant accounting policies

(hereinafter referred to as the "financial statements").

In our opinion, except for the possible effects of the matter described in the "**Basis for Qualified Opinion**" section of our auditor's report, the accompanying financial statements present fairly, in all material respects, the financial position of the Entity as at December 31, 2023, and its results of operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

Basis for Qualified Opinion

The Entity provides financial support to collectors of major appliances participating in their claims program based on the number of units self-reported by the collector. We were not able to verify the existence and accuracy of units self-reported by collectors relating to claims for ozone depleting substances ("ODS") units serviced by collector technicians and for non-ODS units for the years ended December 31, 2023 and December 31, 2022. Accordingly, verification of collections expense was limited to the amount of collections expense for ODS units serviced by independent technicians and for other collections expense.

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Major Appliance Recycling Roundtable
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Therefore, we were not able to determine whether any adjustments might be necessary to:

- the current liabilities and unrestricted net assets reported in the statements of financial position as at December 31, 2023 and December 31, 2022
- the collections expense for ODS units serviced by collector technicians and non-ODS units and excess (deficiency) of revenue over expenses reported in the statements of operations for the years ended December 31, 2023 and December 31, 2022
- the unrestricted net assets, at the beginning and end of the year, and excess (deficiency) of revenue over expenses reported in the statements of changes in net assets for the years ended December 31, 2023 and December 31, 2022.
- the excess (deficiency) of revenue over expenses reported in the statements of cash flows for the years ended December 31, 2023 and December 31, 2022.

Our opinion on the financial statements for the year ended December 31, 2022 was qualified because of the possible effects of this limitation in scope.

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the “**Auditor’s Responsibilities for the Audit of the Financial Statements**” section of our auditor’s report.

We are independent of the Entity in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified opinion.

Other Information

Management is responsible for the other information. Other information comprises:

- the information, other than the financial statements and the auditor’s report thereon, included in Major Appliance Recycling Roundtable 2023 Annual Report to the Directors.

Our opinion on the financial statements does not cover the other information and we do not and will not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information identified above and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit and remain alert for indications that the other information appears to be materially misstated.

We obtained the information, other than the financial statements and the auditor’s report thereon, included in Major Appliance Recycling Roundtable 2023 Annual Report to the Directors as at the date of this auditor’s report.



Major Appliance Recycling Roundtable
Page 3

If, based on the work we have performed on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact in the auditor's report.

As described in the "**Basis for Qualified Opinion**" section above, we were unable to obtain sufficient appropriate evidence about collections expense relating to ODS units serviced by collector technicians and non-ODS units. Accordingly, we are unable to conclude whether or not the other information is materially misstated with respect to this matter.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Entity's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.



Major Appliance Recycling Roundtable
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We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure, and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

A handwritten signature in black ink that reads 'KPMG LLP' with a horizontal line underneath.

Chartered Professional Accountants

Vancouver, Canada
June 11, 2024

MAJOR APPLIANCE RECYCLING ROUNDTABLE

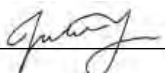
Statement of Financial Position

December 31, 2023, with comparative information for 2022

	2023	2022
Assets		
Current assets:		
Cash	\$ 7,647,207	\$ 7,608,230
Short term investment (note 2)	5,260,000	5,000,000
Accounts receivable (note 3)	1,198,442	1,676,677
Prepaid expenses	141,312	85,517
	<u>14,246,961</u>	<u>14,370,424</u>
Tangible capital assets	1,394	4,171
	<u>\$ 14,248,355</u>	<u>\$ 14,374,595</u>
Liabilities and Net Assets		
Current liabilities:		
Accounts payable and accrued liabilities	\$ 644,774	\$ 524,600
GST payable	-	37,432
	<u>644,774</u>	<u>562,032</u>
Net assets		
Unrestricted	7,675,381	7,884,363
Reserve fund (note 4)	5,928,200	5,928,200
	<u>13,603,581</u>	<u>13,812,563</u>
Commitment (note 6)		
	<u>\$ 14,248,355</u>	<u>\$ 14,374,595</u>

See accompanying notes to financial statements.

Approved on behalf of the Board:


 _____ Director


 _____ Director

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Statement of Operations

Year ended December 31, 2023, with comparative information for 2022

	2023	2022
Revenue:		
Administrative program fees	\$ 4,948,120	\$ 7,301,591
Expenses:		
Collections:		
ODS units serviced by independent technicians	1,679,413	1,459,990
ODS units serviced by collector technicians	351,525	330,409
Non-ODS units	1,086,711	980,490
Other	182,824	97,899
Total collections	3,300,473	2,868,788
Program administration	1,557,966	1,459,132
Public education and awareness	815,278	749,240
Research and studies	33,073	42,331
	5,706,790	5,119,491
Excess (deficiency) of revenue over expenses before the undernoted	(758,670)	2,182,100
Interest and other income	549,688	124,224
Excess (deficiency) of revenue over expenses	\$ (208,982)	\$ 2,306,324

See accompanying notes to financial statements.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Statement of Changes in Net Assets

Year ended December 31, 2023, with comparative information for 2022

	Unrestricted	Reserve fund	Total 2023	Total 2022
Balance beginning of year	\$ 7,884,363	\$ 5,928,200	\$ 13,812,563	\$ 11,506,239
Excess (deficiency) of revenue over expenses	(208,982)	-	(208,982)	2,306,324
Balance, end of year	\$ 7,675,381	\$ 5,928,200	\$ 13,603,581	\$ 13,812,563

See accompanying notes to financial statements.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Statement of Cash Flows

Year ended December 31, 2023, with comparative information for 2022

	2023	2022
Cash provided by (used in):		
Operating:		
Excess (deficiency) of revenue over expenses	\$ (208,982)	\$ 2,306,324
Item not involving cash:		
Depreciation	2,777	3,250
Changes in non-cash operating working capital:		
Accounts receivable	478,235	32,585
Prepaid expenses	(55,795)	(46,259)
Accounts payable and accrued liabilities	120,174	(166,912)
GST payable / receivable	(37,432)	(28,911)
	298,977	2,100,077
Investing:		
Net purchase of short-term investment	(260,000)	(5,000,000)
Increase (decrease) in cash	38,977	(2,899,923)
Cash, beginning of year	7,608,230	10,508,153
Cash, end of year	\$ 7,647,207	\$ 7,608,230

See accompanying notes to financial statements.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Notes to Financial Statements

Year ended December 31, 2023

Nature of operations:

Major Appliance Recycling Roundtable ("MARR") was incorporated under the Canada Not-for-Profit Corporations Act on July 17, 2012 and commenced operations on August 1, 2013. MARR is a not-for-profit organization and it is exempt from income taxes under the Income Tax Act. MARR operates a stewardship program in British Columbia ("BC") to assist the major appliance producers in discharging their obligation to establish end of life product collection and recycling programs further to the Recycling Regulation under the Environmental Management Act (British Columbia) (the "Regulation").

1. Significant accounting policies:

These financial statements are prepared in accordance with Canadian accounting standards for not-for-profit organizations in Part III of the CPA Canada Handbook - Accounting. The significant policies are as follows:

(a) Revenue recognition:

Administrative program fees ("APFs") relate to fees charged at the point of sale for regulated new major appliance products sold in BC. Registered participants of MARR are agents of MARR and collect, report, and remit the APFs to MARR in accordance with the Regulation. Revenue from APFs is recognized when the APF is charged and invoiced at the point of sale, the amount to be received can be reasonably estimated, and collection is reasonably assured.

(b) Cash and cash equivalents:

Cash and cash equivalents include cash on hand and short term deposits which are highly liquid with original maturities of less than three months at the date of acquisition. These financial assets are convertible to known amounts of cash and are subject to an insignificant risk of changes in value. There were no cash equivalents held as at December 31, 2023 and 2022.

(c) Financial instruments:

Financial instruments are recorded at fair value on initial recognition. Freestanding derivative instruments that are not in a qualifying hedging relationship and equity instruments that are quoted in an active market are subsequently measured at fair value. All other financial instruments are subsequently measured at cost or amortized cost, unless management has elected to carry the instruments at fair value. MARR has not elected to carry any such financial instruments at fair value.

Transaction costs incurred on the acquisition of financial instruments measured subsequently at fair value are expensed as incurred. All other financial instruments are adjusted by transaction costs incurred on acquisition and financing costs. These costs are amortized using the straight-line method.

DRAFT June 17, 2024

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Notes to Financial Statements (continued)

Year ended December 31, 2023

1. Significant accounting policies (continued):

(c) Financial instruments (continued):

Financial assets are assessed for impairment on an annual basis at the end of the fiscal year if there are indicators of impairment. If there is an indicator of impairment, MARR determines if there is a significant adverse change in the expected amount or timing of future cash flows from the financial asset. If there is a significant adverse change in the expected cash flows, the carrying value of the financial asset is reduced to the highest of the present value of the expected cash flows, the amount that could be realized from selling the financial asset or the amount MARR expects to realize by exercising its right to any collateral. If events and circumstances reverse in a future period, an impairment loss will be reversed to the extent of the improvement, not exceeding the initial impairment charge.

(d) Tangible capital assets:

Tangible capital assets are stated at cost less accumulated depreciation which is recorded over the useful life of the assets on a straight-line basis as follows:

Asset	Rate
Computer equipment	3 years
Other equipment	5 years

When conditions indicate that a tangible capital asset is impaired and no longer contributes to MARR's ability to provide services, the net carrying amount is written down to the asset's fair value or replacement cost. Write-downs are recognized as an expense in the statement of operations and are not reversed.

(e) Collections expense:

Collections expense relates to financial support provided to registered collectors of major appliances to offset the costs associated with removal of ozone depleting substances ("ODS") and to ensure that ODS are being removed and managed responsibly. Compensation is also provided for tracking, counting and reporting units of MARR products collected. Collections expense is accrued when units of MARR products collected are reported by the collectors to MARR.

(f) Use of estimates:

The preparation of financial statements in accordance with Canadian accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amount of assets and liabilities, revenues and expenses and disclosure of contingencies at the date of statement of financial position. Actual results could differ from those estimates.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Notes to Financial Statements (continued)

Year ended December 31, 2023

2. Short-term investment:

As at December 31, 2023, MARR held a 1-year non-redeemable guaranteed investment certificate ("GIC") of \$5,260,000 (2022 - \$5,000,000). The GIC bears interest at a fixed rate of 5.5% (2022- 5.2%) with a maturity of November 12, 2024 (2022 – November 10, 2023).

3. Accounts receivable:

There was nil provision for doubtful accounts as at December 31, 2023 (2022 - \$2,304).

4. Reserve fund:

In 2016, the Board of Directors passed a resolution to establish the Reserve fund. The purposes of the Reserve fund are as follows:

- (a) To assist in stabilizing eco fees by being available to manage year to year volume fluctuations;
- (b) To cover the costs of winding up MARR by the decision of the members or as a consequence of regulatory change, in an orderly manner, not to exceed one year;
- (c) To cover any claims against MARR, Board of Directors or staff in excess of the Program's insurance coverage;
- (d) To cover the cost of unanticipated or extraordinary items; and
- (e) To make available interim funding for program expansion.

Transfers to the Reserve fund are made upon resolutions passed by the Board of Directors. Total contributions to the Reserve fund are to be in line with one year's operating expenses.

The Reserve fund consists of an investment in a commercial savings account and is managed in accordance with MARR's investment policy.

5. Financial risks:

(a) Credit risk:

Credit risk refers to the risk that a counterparty may default on its contractual obligations resulting in a financial loss. MARR's main credit risks relate to its cash, short-term investment and accounts receivable. Cash and short-term investment is held at a Canadian chartered bank. MARR deals with creditworthy counterparties to mitigate the risk of financial loss from defaults. Concentrations of credit risk with respect to accounts receivable are limited due to the large number of registered participants. MARR has evaluation and monitoring processes in place and writes off accounts when they are determined to be uncollectible.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

Notes to Financial Statements (continued)

Year ended December 31, 2023

5. Financial risks (continued):

(b) Interest rate risk:

Interest rate risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. MARR is subject to fair value risk relating to its short-term investment as it is a fixed rate instrument.

(c) Other financial risks:

MARR is not exposed to significant liquidity, currency, or other price risk arising from its financial instruments.

There has been no change to the risk exposure from 2022.

6. Commitment:

MARR has made a commitment to an outside vendor for the provision of services, with payments over the next 5 years as follows:

2024	\$	540,000
2025		528,000
2026		516,000
2027		516,000
2028		516,000
	\$	<u>2,616,000</u>

9.2 INDEPENDENT PRACTITIONER'S REASONABLE ASSURANCE REPORT AND NON-FINANCIAL INFORMATION



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INDEPENDENT PRACTITIONER'S REASONABLE ASSURANCE REPORT

To the Board of Directors of Major Appliance Recycling Roundtable

We have undertaken a reasonable assurance engagement of the following information (the "subject matter information") detailed within the Annual Report (the "Report") of Major Appliance Recycling Roundtable (the "Entity") and included in Appendix 1 of this assurance report, for the year ended December 31, 2023:

- The location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of BC Regulation 449/2004 (the Recycling Regulation);
- The description of how the recovered product was managed in accordance with the pollution prevention hierarchy in accordance with Section 8(2)(d) of the Recycling Regulation;
- The total amount of the producer's product collected in accordance with Section 8(2)(e) of the Recycling Regulation; and,
- Performance for the year in relation to approved targets under Sections 8(2)(b), (d) and (e) in accordance with Section 8(2)(g) of the Recycling Regulation.

Other than as described in the preceding paragraph, we did not perform assurance procedures on the remaining information included in the Report, and accordingly, we do not express a conclusion on this information.

The Entity has applied internally developed criteria detailed within Appendix 1 which form an integral part of the subject matter information ("applicable criteria").

Management's Responsibility

Management is responsible for the preparation and presentation of the subject matter information in accordance with the applicable criteria.

Management is also responsible for such internal control as management determines necessary to enable the preparation and presentation of the subject matter information that is free from material misstatement, whether due to fraud or error. This responsibility includes developing appropriate criteria.

Our Responsibilities

Our responsibility is to express a reasonable assurance opinion on the subject matter information based on the evidence we have obtained. We conducted our reasonable assurance engagement in accordance with International Standard on Assurance Engagements (ISAE) 3000 (Revised) *Assurance Engagements other than Audits or Reviews of Historical Financial Information*. This standard requires that we plan and perform this engagement to obtain reasonable assurance about whether the subject matter information is free from material misstatement.

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Major Appliance Recycling Roundtable
Page 2

Reasonable assurance is a high level of assurance, but is not a guarantee that an engagement conducted in accordance with this standard will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the decisions of users of our report.

The nature, timing and extent of procedures performed depends on our professional judgment, including an assessment of the risks of material misstatement, whether due to fraud or error, and involves obtaining evidence about the subject matter information.

We believe the evidence we obtained is sufficient and appropriate to provide a basis for our opinion.

Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants and the independence and other ethical requirements of relevant rules of professional conduct/code of ethics in Canada applicable to the practice of public accounting and related to assurance engagements, issued by various professional accounting bodies, which are founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality, and professional behaviour.

The firm applies Canadian Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* which requires the firm to design, implement and operate a system of quality management, including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Significant Inherent Limitations

Non-financial information, such as that included in the Report, is subject to more inherent limitations than financial information, given the qualitative characteristics of the underlying subject matter information and methods used for determining this information. The absence of a significant body of established practice on which to draw allows for the selection of different, but acceptable, measurement techniques which can result in materially different measurements and can impact comparability. The nature and methods used to determine such information, as described in management's internally developed criteria, may change over time. It is important to read the applicable criteria in Appendix 1.

Basis for Qualified Opinion

As required by Section 8(2)(e) of the Regulation, the Entity discloses the total amount of producers' product collected during the year based on the number of units self-reported by collectors which comprises units containing ozone depleting substances ("ODS units") serviced by collector technicians, ODS units serviced by independent technicians, and units that do not contain ODS ("non-ODS units").

The scope of our work was limited as we were not able to verify the existence and accuracy of the recorded number of non-ODS units collected and self-reported and ODS units serviced by collector technicians and self-reported. Accordingly, verification of product collected for these units was limited to the amounts recorded in the records of the Entity and we were not able to determine whether any adjustments might be necessary to these units.



Major Appliance Recycling Roundtable
Page 3

Qualified Opinion

Our conclusion has been formed on the basis of, and is subject to, the matters outlined in this report. We believe that the evidence we obtained is sufficient and appropriate to provide a basis for our qualified conclusion.

In our opinion, except for the possible effects of the matter described above in the "**Basis for Qualified Opinion**", the subject matter information of the Entity detailed within the Report and accompanying Appendix 1 for the year ended December 31, 2023 is prepared, in all material respects, in accordance with the applicable criteria.

Emphasis of Matter

Without further qualifying our opinion above, we draw attention to the following:

- As required by 8(2)(d) of the Regulation and as noted in section 5.1 of the Report, the Entity is unable to obtain government manifests indicating final disposition of ODS collected but does receive delivery records from collectors confirming delivery of ODS and other halocarbons to refrigerant wholesalers for safe reuse or disposal. However, the Entity is unable to reconcile details, such as the volume of ODS removed, as recorded on internal records, to the delivery records provided by collectors.

Specific Purpose of Subject Matter Information

The subject matter information has been prepared in accordance with the applicable criteria by the Entity to meet the requirements of regulation 8(2)(d). As a result, the subject matter information and the Report may not be suitable for another purpose. Our conclusion is not modified in respect of this matter.

A handwritten signature in black ink that reads 'KPMG LLP' with a horizontal line underneath.

Chartered Professional Accountants

Vancouver, Canada
June 11, 2024

APPENDICES

***APPENDIX 1 SUBJECT MATTER, APPLICABLE DEFINITIONS
AND APPLICABLE CRITERIA***

APPENDIX 2 MARR SITE LIST



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APPENDIX 1 SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

MAJOR APPLIANCE RECYCLING ROUNDTABLE

APPENDIX 1

SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

COLLECTION FACILITIES

SUBJECT MATTER

Specific Disclosures in the annual report for which applicable criteria were developed		
Disclosed information	2023 Claim in the Report	Report Reference
Number of collection facilities	Active Sites: 211	Section 4.3 Network Development Page 18
Changes in number of collection facilities	1 collection site closed in 2023. 10 collection sites joined the MARR program in 2023, increasing the network to 211 sites across the province.	

APPLICABLE DEFINITIONS

The following definitions were applied to the assessment of the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation:

- a. Collection Facility: defined as a “collector” by MARR, is any facility that has a signed a Collection Agreement with MARR for collection of end-of-life major appliances.
- b. Program products: all major appliance products managed by MARR pursuant to the BC Major Appliances Stewardship Plan, amended from time to time, as set out in the MARR website.

APPLICABLE CRITERIA

The following applicable criteria were applied to the assessment of the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation:

1. The number of collection facilities is determined based on the number of collectors with signed Collection Agreements in place with MARR for collection of end-of-life program products.
2. The number of collection facilities reported in the annual report is reconciled to the total number of contracted collectors accepting end-of-life program products on MARR’s list of collectors as of December 31, 2023.
3. All collection facilities in MARR’s listing have signed Collection Agreements in place with MARR for collection of end-of-life program products as of December 31, 2023.

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4. The change in number of collection facilities is determined by comparing the total number of collection facilities at December 31, 2023 to the total number and location of collection facilities at December 31, 2022.

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SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

PRODUCT MANAGEMENT

SUBJECT MATTER

Specific Disclosures in the annual report for which applicable criteria were developed		
Disclosed information	Claim in the Report	Report Reference
A description of how the recovered product was managed in accordance with the pollution prevention hierarchy (S.8(2)(d))	<ul style="list-style-type: none"> Description of the Processing Standard for Recyclers of Major Appliances Description of the pollution prevention hierarchy Disclosure of total number of units collected containing ODS 	<p>Sections 5.1 Environmental Impact & 5.2 Pollution Prevention Hierarchy Pages 23-25</p> <p>Section 6.1 Recycling by the Numbers Page 28</p>

APPLICABLE DEFINITIONS

The following definitions were applied to the assessment of the description of how the recovered product was managed in accordance with the pollution prevention hierarchy in accordance with Section S.8(2)(d):

- i. The System Study refers to a study of the BC market driven system for major appliance recycling conducted in 2013 by waste consultant, Ecoinspire Planning Services, on MARR's behalf. *The Study on the Operations and Effectiveness of the Major Appliance Collection and Recycling System in British Columbia, May 8, 2014* report examined the operation and performance of the existing collection and recycling system.
- ii. The MARR Processing Standard for Recyclers of Major Appliances ("MARR Processing Standard") is a standard that has been developed by MARR for application of best practices in the management of major household appliances at end-of-life, and includes guidance on regulatory compliance, environmental control, health and safety and recordkeeping and reporting.
- iii. Processors are defined as operations or facilities that initiate the recycling process through activities such as bailing, shredding or dismantling for the purpose of reclaiming recyclable materials and other approved management of residuals. A processor can also be a collector, as defined earlier.
- iv. Substances of concern are defined as any of the following wastes (i) refrigerant, (ii) mercury switches, (iii) PCB capacitors, and (iv) compressor oil

MAJOR APPLIANCE RECYCLING ROUNDTABLE

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SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

APPLICABLE CRITERIA

The following applicable criteria were applied to the assessment of the description of how the recovered product was managed in accordance with the pollution prevention hierarchy in accordance with Section S.8(2)(d):

1. Acceptable end fates are determined in accordance with MARR's approved stewardship plan, applicable regulation and qualitative information on processing methods and end fate of materials/components obtained through the System Study.
2. Because of the value of the metal in major appliances, a market-based system exists whereby large private-sector metal processors collect and shred major appliances. MARR does not process or recycle products directly and therefore does not track and monitor qualitative data on processing pathways or quantitative data on program product shipped from collectors to the next point in the recycling process.
3. The percentage of material components recycled, landfilled or safely destroyed as presented in the Annual Report is estimated based on general representations from third party processors obtained through the System Study.
4. Collectors have agreed to comply with the MARR Processing Standard as a term in their signed Collection Agreement, which includes maintaining legally required permits, licenses and authorizations for processing substances of concern.
5. MARR requires collectors to safely remove of ODS gas from units collected that contain refrigerant gasses used for cooling purposes through engaging a technician that possesses a valid certificate number for refrigerant handling under current BC regulation and requiring collectors to report weight, tank numbers and certificates of destruction/recycling to MARR on a timely basis.
6. As stated in the MARR Processing Standard, collectors are also responsible for selection of processors who maintain legally required permits, licenses and authorizations for processing substances of concern.
7. MARR conducts site visits to approved collectors to evaluate their awareness of the MARR Processing Standard, capabilities for the appropriate removal of refrigerants and other substances of concern, and their process for reporting units collected.

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PRODUCT SOLD AND COLLECTED

SUBJECT MATTER

Specific Disclosures in the annual report for which applicable criteria were developed		
Disclosed information	Claim in the Report	Report Reference
Product collected	Total number of units collected – 405,758 units Non-ODS units – 258,561 ODS units serviced by collector technicians – 28,746 ODS units serviced by independent technicians – 118,451	Section 6.1 Recycling by the Numbers (Page 28) & 6.3 Units Sold and Collected (Page 30)
Product sold	Total number of units sold 1,186,987 *	
Recovery rate	See the applicable criterion for performance for the year in relation to targets in the approved stewardship plan below	

*claims marked with an asterisk were not subject to audit for 2023

In accordance with the Ministry of Environment and Climate Change Strategy's latest guidance on **Third Party Assurance for Non-Financial Information in Annual Reports**, assurance is not required for product sold data if the stewardship program does not report a recovery rate, as defined in the Regulation, in accordance with the approved stewardship plan. Consistent with MARR's approved stewardship plan, there are no targets associated with recovery rate. Therefore, no applicable criteria are required over Product Sold and an assurance opinion is not required over the reported amount of product sold.

APPLICABLE DEFINITIONS

There are no applicable definitions.

APPLICABLE CRITERIA

The following applicable criteria were applied to the assessment of total amounts of the producer's product collected in accordance with Section 8(2)(e):

1. Product Collected: the number of units collected is based on the number of units and product types received and recorded by collectors on count sheets and reported to MARR on a monthly basis.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

APPENDIX 1

SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

2. A sample of monthly count sheets received from collectors are reviewed and recalculated and MARR will follow up with collectors for any significant discrepancies.
3. The number of units reported by MARR as containing Ozone Depleting Substances ('ODS') or other halocarbons are reported monthly to MARR by collectors and are based on count sheets completed by a technician that is an "Approved Person" as defined by the BC Waste Management Act. The count sheet also includes the type of refrigerant removed, tank number and weights in and out. The technician also records if the unit was already evacuated prior to arriving at the collector's facility.

MAJOR APPLIANCE RECYCLING ROUNDTABLE

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SUBJECT MATTER, APPLICABLE DEFINITIONS AND APPLICABLE CRITERIA

TARGETS

SUBJECT MATTER

Specific Disclosures in the annual report for which applicable criteria were developed		
Quantitative targets disclosed per Stewardship Plan approved April 30, 2021:	Claim in the Report	Report Reference
Targets associated with Section 8(2)(b): <ul style="list-style-type: none"> Achieve accessibility to free drop-off locations for more than 90 % of BC population 	% of the population covered by collection sites – estimated 96.8% *	Section 4.1 Collection Site Map Page 16
Targets associated with Section 8(2)(d): <ul style="list-style-type: none"> No quantitative performance target identified in the approved Stewardship Plan 	Not applicable.	
Target associated with Section 8(2)(e): <ul style="list-style-type: none"> No quantitative performance target identified in the approved Stewardship Plan 	Not applicable	

* claims marked with an asterisk were not subject to audit for 2023. In accordance with the Ministry of Environment and Climate Change Strategy's latest guidance on **Third Party Assurance for Non-Financial Information in Annual Reports**, assurance in relation to the accessibility performance target is not required this year. As such, no applicable criteria are required and an assurance opinion is not required in 2023.

APPLICABLE DEFINITIONS

The following definitions were applied to the description of performance for the year in relation to the specific targets associated with Section 8(2)(b), (d) and (e) of the Recycling Regulation in the approved stewardship plan:

- i. In accordance with MARR's approved stewardship plan, there are no targets associated with recovery rate or capture rate. Capture rate is defined as the estimated weight of products collected divided by the estimated weight of products "available to collect."

MAJOR APPLIANCE RECYCLING ROUNDTABLE

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APPLICABLE CRITERIA

The following applicable criteria were applied to the description of performance for the year in relation to the specific targets associated with Section 8(2)(b), (d) and (e) of the Recycling Regulation in the approved stewardship plan:

1. Targets in the approved stewardship plan as of April 30, 2021 have been identified and reported on by management in the annual report.
2. The description of progress against targets to date is supported by records of progress maintained by the Company.

APPENDIX 2 MARR SITE LIST

SITES ADDED IN 2023

Site Name	Regional District	City
Big Lake Landfill	Cariboo	Big Lake
Likely Landfill	Cariboo	Likely
McLeese Lake Transfer Station	Cariboo	McLeese Lake
Nazko Landfill	Cariboo	Nazko
Nemaiah Valley Landfill	Cariboo	Nemaiah Valley
Tatla Lake Landfill	Cariboo	Tatla Lake
Goodies Recycling Ltd.	Fraser Valley	Chilliwack
Local Industrial Partners Ltd.	Kootenay Boundary	Genelle
Osoyoos Sanitary Landfill	Okanagan - Similkameen	Osoyoos
HH Recycling Ltd.	Peace River	Hudson's Hope

SITE DEACTIVATED IN 2023

Site Name	Regional District	City
SECURE Energy Service Inc.	Kootenay Boundary	Trail

ACTIVE SITES AT THE END OF 2023

Alberni - Clayoquot 2 sites

Alberni Valley Landfill	Port Alberni
West Coast Landfill	Ucluelet

Bulkley - Nechako 8 sites

Area "D" Transfer Station	Fraser Lake
Burns Lake Transfer Station	Burns Lake
Fort St. James Transfer Station	Fort St. James
Granisle Transfer Station	Granisle
Knockholt Houston Landfill	Houston
Smithers/Telkwa Transfer Station	Telkwa
Southside Transfer Station	Southbank
Vanderhoof Transfer Station	Vanderhoof

Capital Regional District 6 sites

Hartland Landfill	Victoria
Port Renfrew Recycling Depot	Port Renfrew
Radius Recycling - Victoria	Victoria
Trail Appliances - Victoria	Langford
Williams Scrap Iron + Metals Ltd - Munns Road	Victoria
Williams Scrap Iron + Metals Ltd - Terlson Lane	Victoria

Cariboo 24 sites

150 Mile House Transfer Station	150 Mile House
Alexis Creek Transfer Station	Alexis Creek
Baker Creek Transfer Station	Quesnel
Big Lake Landfill	Big Lake
Central Cariboo Transfer Station	Williams Lake
Cochin Landfill	Cochin Lake
Forest Grove Transfer Station	Forest Grove
Frost Creek Transfer Station	Williams Lake
Horsefly Transfer Station	Horsefly
Interlakes Landfill	Sheridan Lake
Lac La Hache Transfer Station	Lac La Hache
Likely Landfill	Likely
Mahood Lake Landfill	Mahood Lake
McLeese Lake Transfer Station	McLeese Lake
Nazko Landfill	Nazko
Nemaiah Valley Landfill	Nemaiah Valley
Puntzi Lake Landfill	Puntzi
Quesnel Landfill	Quesnel
Riske Creek Transfer Station	Riske Creek
South Cariboo Landfill	100 Mile House
Tatla Lake Landfill	Tatla Lake
Watch Lake Landfill	Watch Lake
West Chilcotin Landfill	Puntzi Lake
Wildwood Transfer Station	Wildwood

Central Coast 1 site

Bella Bella Recycling Facility	Bella Bella
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ACTIVE SITES AT THE END OF 2023

Central Kootenay		14 sites
Balfour Transfer Station	Balfour	
Burton Transfer Station	Burton	
Castlegar/Ootischenia Landfill	Castlegar	
Crawford Bay Transfer Station	Crawford Bay	
Creston Landfill	Creston	
Edgewood Transfer Station	Edgewood	
Kaslo Transfer Station	Kaslo	
Marblehead Transfer Station	Marblehead	
Nakusp Landfill	Nakusp	
Nelson/Grohman Narrows Transfer Station	Nelson	
Rosebery Transfer Station	Rosebery	
Salmo Central Landfill	Salmo	
Scrap King Auto Wrecking & Towing Ltd	Salmo	
Slocan Transfer Station	Slocan	

Central Okanagan		5 sites
ABC Recycling Ltd. - Kelowna	Kelowna	
Glenmore Landfill	Kelowna	
Planet Earth Recycling Ltd.	West Kelowna	
Trail Appliances - Kelowna	Kelowna	
Westside Transfer Station	West Kelowna	

Columbia - Shuswap		13 sites
Falkland Transfer Station	Falkland	
Glenemma Transfer Station	Salmon Arm	
Golden Landfill	Golden	
Malakwa Transfer Station	Malakwa	
Parson Transfer Station	Skookumchuck	
Revelstoke Landfill	Revelstoke	
Salmon Arm Landfill	Salmon Arm	
Scrappy's Metal Recycling	Salmon Arm	
Scotch Creek Transfer Station	Scotch Creek	
Seymour Arm Transfer Station	Seymour Arm	
Sicamous Landfill	Sicamous	
Skimikin Transfer Station	Chase	
Trout Lake Transfer Station	Trout Lake	

Comox Valley		4 sites
Comox Valley Waste Management Centre	Cumberland	
Courtenay Return-It Depot	Courtenay	
Hornby Island Recycling Depot	Hornby Island	
Powerhouse Recycled Auto and Truck Parts, Ltd	Cumberland	

Cowichan Valley		3 sites
Bings Creek Recycling Centre	Duncan	
Meade Creek Recycling Centre	Lake Cowichan	
Peerless Road Recycling Centre	Ladysmith	

ACTIVE SITES AT THE END OF 2023

East Kootenay		6 sites
Columbia Valley Landfill	Windermere	
Cranbrook Transfer Station	Cranbrook	
Elkford Transfer Station	Elkford	
Fernie Transfer Station	Fernie	
Kimberley Transfer Station	Kimberley	
Sparwood Transfer Station	Sparwood	

Fraser - Fort George		12 sites
ABC Recycling Ltd. - Prince George	Prince George	
Bear Lake Regional Transfer Station	Bear Lake	
Cummings Road Regional Transfer Station	Prince George	
Foothills Boulevard Regional Landfill	Prince George	
Hixon Regional Transfer Station	Hixon	
Mackenzie Regional Landfill	Mackenzie	
McBride Regional Transfer Station	McBride	
Quinn Street Regional Recycling Depot	Prince George	
Shelley Regional Transfer Station	Prince George	
TX2 Material Solution Inc.	Prince George	
Valemount Regional Transfer Station	Valemount	
Vanway Regional Transfer Station	Prince George	

Fraser Valley		8 sites
Abbotsford Mission Recycling Depot	Abbotsford	
Bailey Sanitary Landfill	Chilliwack	
Everclear Metal Recycling	Mission	
Goodies Recycling Ltd.	Chilliwack	
Mission Landfill	Mission	
Mission Recycling Depot	Mission	
Pacific Mattress Recycling Inc	Hope	
Regional Recycling - Abbotsford	Abbotsford	

Kitimat - Stikine		7 sites
ABC Recycling Ltd. - Terrace	Terrace	
Hazelton Waste Management Facility	New Hazelton	
Kitwanga Transfer Station	Kitwanga	
Meziadin Landfill	Meziadin	
Rosswood Landfill	Rosswood	
Stewart Transfer Station	Stewart	
Thornhill Transfer Station	Terrace	

Kootenay Boundary		7 sites
Beaverdell Solid Waste Transfer Station	Beaverdell	
Christina Lake Solid Waste Transfer Station	Christina Lake	
Grand Forks Regional Landfill	Grand Forks	
Local Industrial Partners Ltd.	Genelle	
McKelvey Creek Landfill	Trail	
Rock Creek Solid Waste Transfer Station	Rock Creek	
West Boundary Regional Landfill	Greenwood	

ACTIVE SITES AT THE END OF 2023

Metro Vancouver	27 sites
ABC Recycling Ltd. - Burnaby	Burnaby
ABC Recycling Ltd. - Surrey	Surrey
Aldergrove Return-It Depot	Aldergrove
Allied Salvage & Metals (1985) Ltd.	Richmond
Burnaby Eco-Centre	Burnaby
Central Surrey Recycling and Waste Centre	Surrey
Fraser Valley Metal Exchange	Maple Ridge
Happy Stan's Recycling Services Ltd.	Port Coquitlam
Langley Recycling and Waste Centre	Langley
Mitchell Metal Recycling Ltd.	Richmond
North Shore Recycling and Waste Centre	North Vancouver
North Surrey Recycling and Waste Centre	Surrey
Pan Pacific Recycling Inc.	Richmond
PoCo Return-It	Port Coquitlam
Radius Recycling - Surrey	Surrey
Regional Recycling - Richmond	Richmond
Regional Recycling - Cloverdale	Surrey
Regional Recycling - Vancouver	Vancouver
Richmond Recycling Depot	Richmond
Ridge Meadows Recycling	Maple Ridge
Rypac Metal Recycling	Surrey
Surrey Central Return-It Centre	Surrey
Trail Appliances - Annacis Island	Delta
United Boulevard Recycling and Waste Centre	Coquitlam
Vancouver Landfill	Delta
Vancouver Zero Waste Centre	Vancouver
West Coast Metal Recycling LLP	Langley

Mount Waddington	5 sites
7 Mile Landfill and Recycling Centre	Port McNeill
Community of Quatsino Recycling Depot	Quatsino
Cormorant Island Transfer Station	Alert Bay
Malcolm Island Recycling Depot	Sointula
Woss Transfer Station	Woss

Nanaimo	4 sites
ABC Recycling Ltd. - Nanaimo	Nanaimo
Parksville Bottle & Recycling Centre	Parksville
Radius Recycling - Nanaimo	Cassidy
Trail Appliances - Nanaimo	Nanaimo

North Coast	6 sites
Gitxaala Nation	Kitkatla
Islands Solid Waste Landfill	Port Clements
Masset Transfer Station	Masset
North Coast Regional Recycling	Prince Rupert
Sandspit Transfer Station	Sandspit
Skidegate Transfer Station	Skidegate

North Okanagan	5 sites
Armstrong/Spallumcheen Diversion and Disposal Facility	Armstrong
Cherryville & Area "E" Division & Disposal Facility	Cherryville
Greater Vernon Diversion & Disposal Facility	Vernon
Kingfisher Transfer Station	Kingfisher-Enderby
Lumby & Area "D" Diversion & Disposal Facility	Lumby

ACTIVE SITES AT THE END OF 2023

Okanagan - Similkameen 6 sites

Campbell Mountain Landfill	Penticton
Keremeos Transfer Station	Keremeos
Okanagan Falls Landfill	Okanagan Falls
Oliver Landfill	Oliver
Osoyoos Sanitary Landfill	Osoyoos
Summerland Sanitary Landfill	Summerland

Peace River 4 sites

ABC Recycling Ltd. - Fort St. John	Fort St. John
HH Recycling Ltd.	Hudson's Hope
Hudson's Hope Transfer Station	Hudson's Hope
Tumbler Ridge Transfer Station	Tumbler Ridge

qathet 2 sites

Augusta Recylers Inc.	Powell River
Texada Metal Transfer Station	Gillies Bay

Squamish - Lillooet 4 sites

Lílwat Nation Recycling Centre	Mount Currie
Lílwat Nation Mount Currie Transfer Station	Mount Currie
RMOW Transfer Station	Whistler
Squamish Landfill	Squamish

Strathcona 6 sites

ABC Recycling Ltd. - Campbell River	Campbell River
Campbell River Waste Management Centre	Campbell River
Cortes Island Transfer Station	Cortes Island
Radius Recycling - Campbell River	Campbell River
Tahsis Recycling Depot	Tahsis
Village of Gold River Transfer Station	Gold River

Sunshine Coast 3 sites

Gibsons Recycling Depot	Gibsons
Pender Harbour Transfer Station	Garden Bay
Sechelt Landfill	Sechelt

Thompson - Nicola 19 sites

70 Mile House Transfer Station	70 Mile House
Barnhartvale Landfill	Kamloops
Blue River Transfer Station	Blue River
Boston Flats Eco-Depot	Cache Creek
Clearwater Eco-Depot	Clearwater
Clinton Eco-Depot	Clinton
Heffley Creek Eco-Depot	Heffley Creek
Knutsford Transfer Station	Knutsford
Logan Lake Eco-Depot	Logan Lake
Loon Lake Transfer Station	Clinton
Louis Creek Eco-Depot	Barriere
Lower Nicola Landfill	Merritt
Lytton Eco-Depot	Lytton
Mission Flats Landfill	Kamloops
Paul Lake Transfer Station	Kamloops
Savona Transfer Station	Savona
South Thompson Eco-Depot	Chase
Spences Bridges Transfer Station	Spences Bridge
Westwold Transfer Station	Westwold



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2023 MARR ANNUAL REPORT