



City of Hamilton
PUBLIC WORKS COMMITTEE ADDENDUM

Meeting #: 19-007
Date: May 13, 2019
Time: 9:30 a.m.
Location: Council Chambers, Hamilton City Hall
71 Main Street West

Alicia Davenport, Legislative Coordinator (905) 546-2424 ext. 2729

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6. DELEGATION REQUESTS	
*6.1 Jonathan Jones, respecting Item 7.4 - Scheduling and Safety Concerns with DARTS (PW19038) (for today's meeting)	2
*6.2 Joe Hruska, Canadian Plastics Industry Association and Resident, respecting Single Use Resolution and Bag Bans (for today's meeting)	22
8. PUBLIC HEARINGS / DELEGATIONS	
8.1 Catherine Mulcaster, respecting Banning Plastic Shopping Bags in Hamilton (Approved by the Public Works Committee on April 29, 2019) (no copy)	
*8.1.a Added Presentation and Handout	47

Form: Request to Speak to Committee of Council

Submitted on Wednesday, May 8, 2019 - 1:36 pm

==Committee Requested==

Committee: Public Works

==Requestor Information==

Name of Individual: Jonathan Jones

Name of Organization:

Contact Number: [REDACTED]

Email Address: [REDACTED]

Mailing Address:
[REDACTED]

Reason(s) for delegation request: Darts Transit

Will you be requesting funds from the City? Yes

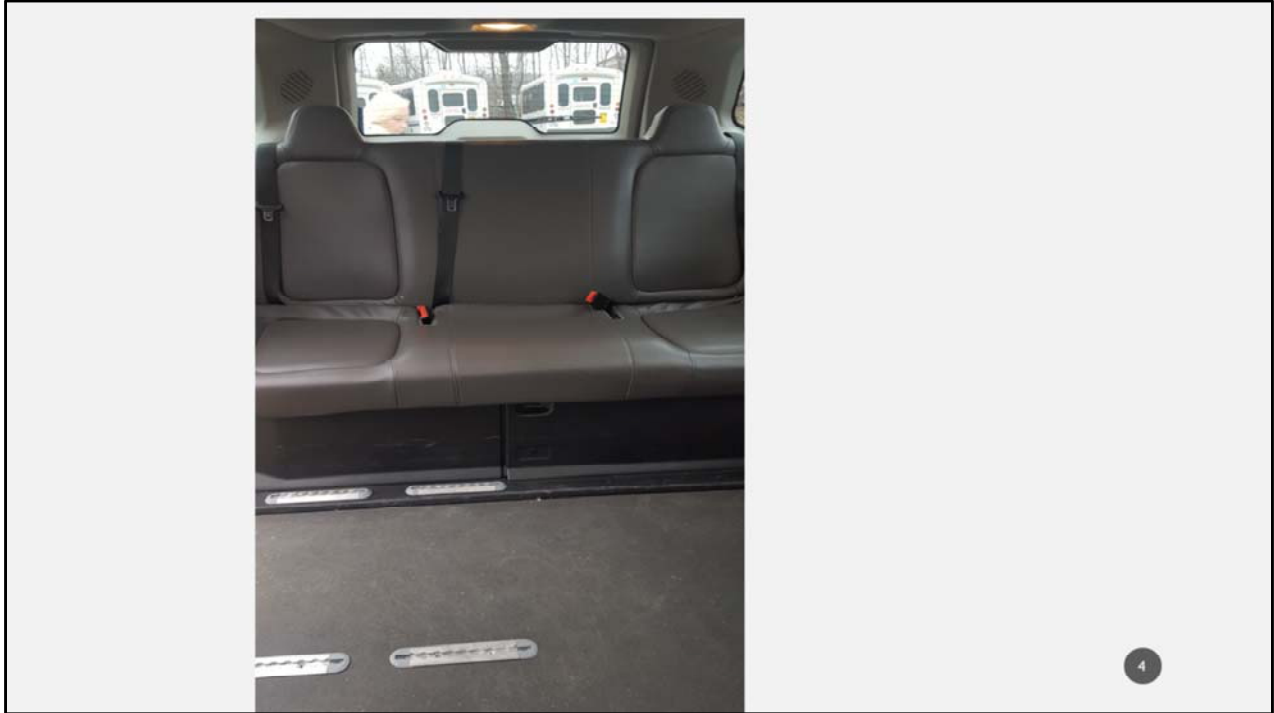
Will you be submitting a formal presentation? Yes



Outside view of a MV-1 vehicle.



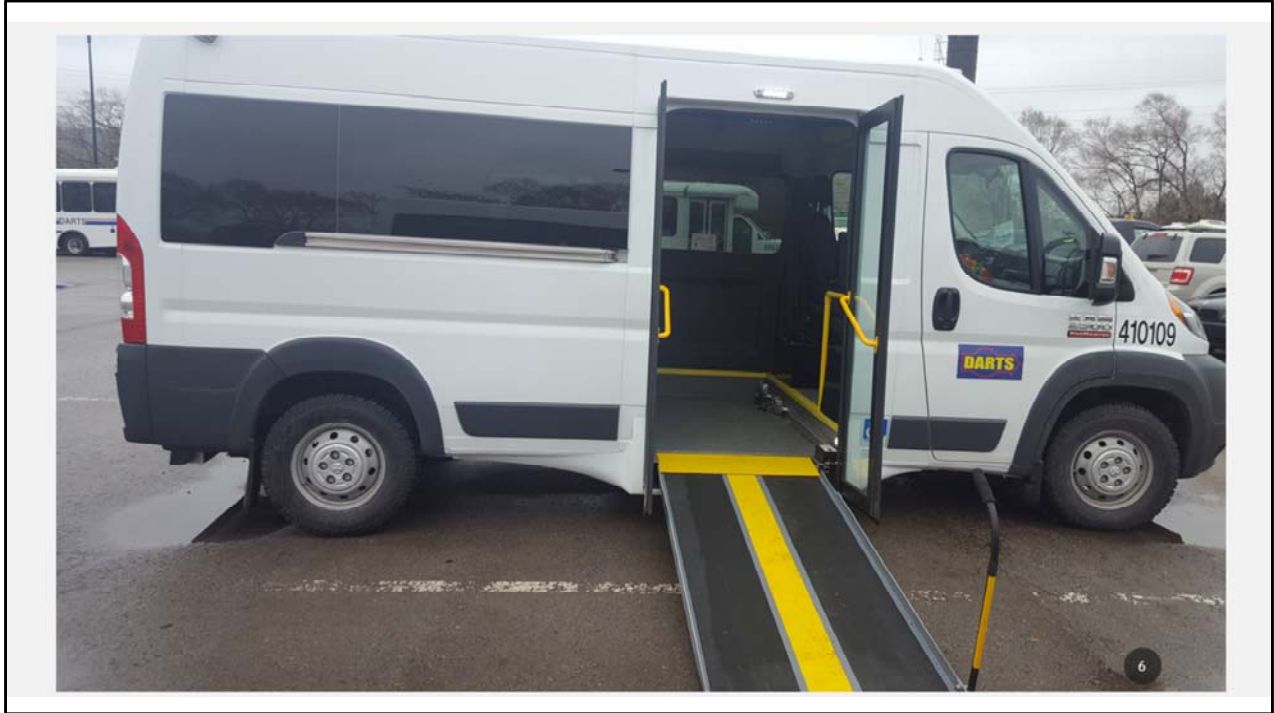
MV-1 with the ramp extended.



Inside the MV-1 looking at the bench seat towards the back of the MV-1. Shows the position of the three bench seats in the MV-1.



Inside the MV-1 vehicle looking forward. Shows the position of the one wheelchair spot in the front passenger position.



Outside the Promaster with the ramp extended.



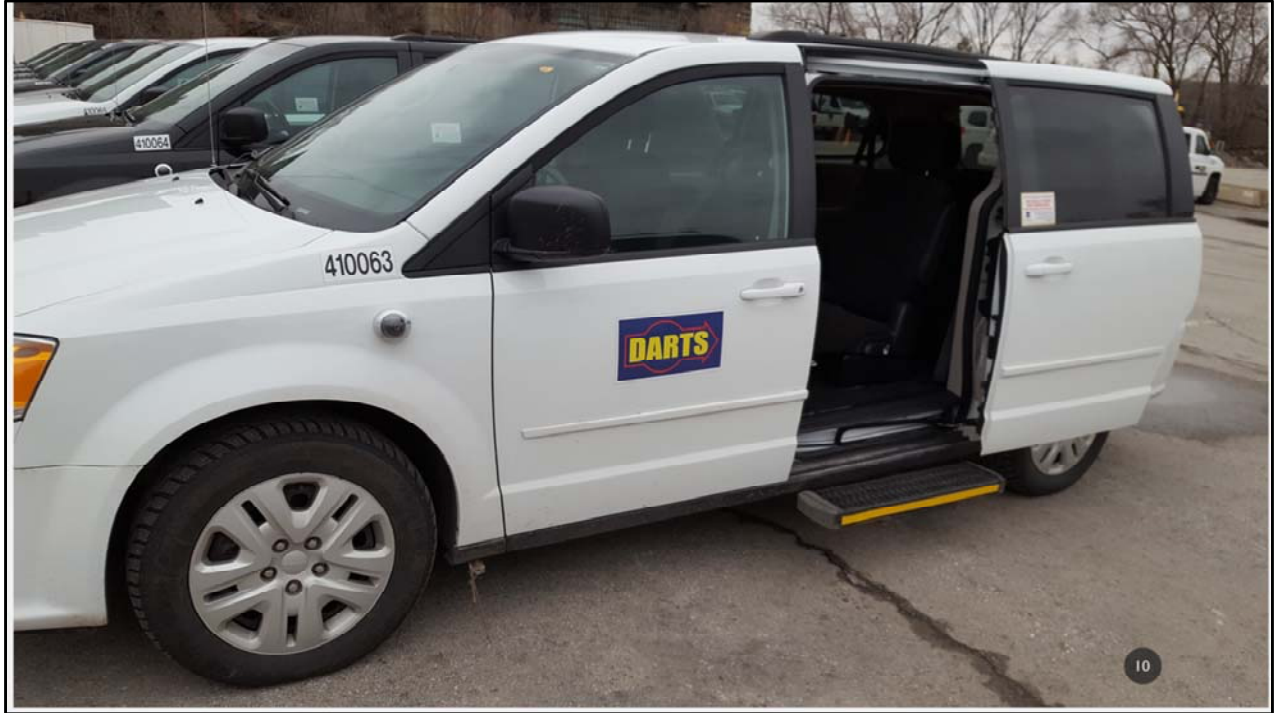
Inside the Promaster showing the three bench seats on the far wall of the vehicle.



Inside the Promaster showing the floor space for the 2 wheelchairs. Also shows the two seats that are elevated on the back wheel hubs. These are the seats that the travelling public has issue with.



The door of the Promaster showing the floor space for two wheelchairs.



DARTS van showing the installed step (these are on both sides of the vehicle) to assist seniors with entering the van.



Showing the back seats of the DARTS vans.



ARBOC bus with the ramp extended.



Inside the ARBOC bus looking towards the back. The very back seats can flip up to expose two wheelchair spots.



Inside the ARBOC bus standing at the back looking forward. Note the space for wheelchairs and the greater width of the floor space relative to the Promaster.



Note the increase floor space on buses making it easier to navigate when loading and unloading multiple passengers in wheelchairs.



Much smaller area in the Promaster relative to the bus (in the previous slide).

**TO THE CHAIRMAN AND
COUNCIL MEMBERS I HAVE
SPOKEN TO A LOT OF DARTS
CLIENTS AND DRIVERS AND IT
HAS BEEN BROUGHT TO MY
ATTENTION THAT THE
VEHICLES AND THE
SUBCONTRACTORS THAT YOU
APPROVED DO NOT THINK
THAT THE RULES REGARDING
TALKING ON THEIR
CELLPHONES WHILE DRIVING
APPLY TO THE BUT IF ANY
OTHER MOTORIST TALK ON
CELLPHONES WHILE DRIVING
THEY GET A TICKET I AM**

**GETTING FRUSTRATED IT
SEEMS LIKE COUNCIL IS NOT
LISTENING AND BY GETTING
RID OF THE BUSES YOU END
UP SENDING MORE VEHICLES
TO ONE LOCATION FOR GROUP
BOOKINGS**

City looks to take more control over DARTS

News Jan 29, 2016 by [Matthew Van Dongen \(/hamilton-author/matthew-van-dongen/70C601F0-79A5-4189-B1DA-147F61545D27/\)](#) [✉ \(mailto:mvandongen@thespec.com\)](mailto:mvandongen@thespec.com) The Hamilton Spectator.



Staff recommend the city take more control of the DARTS service, which is the subject of a growing number of complaints. - Hamilton Spectator file photo

The city wants to shrink vehicles and take back scheduling and reservation duties for complaint-plagued disabled transit agency DARTS.

The independently run shared-ride service has seen complaints and its annual deficit grow in recent years, leading councillors to call for a review.

A rider survey was completed recently, but has not been made public yet.

City looks to take more control over DARTS

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The city wants to shrink vehicles and take back scheduling and reservation duties for complaint-plagued disabled transit agency DARTS.

The independently run shared-ride service has seen complaints and its annual deficit grow in recent years, leading councillors to call for a review.

A rider survey was completed recently, but has not been made public yet.

But a budget presentation posted online Friday shows transit officials already have some ideas about how to improve the service.

"Basically, we're looking at moving towards less expensive vehicles and bringing more control back (to the city)," said HSR director David Dixon in an interview Friday.

Specific recommendations include:

- cutting the service's fleet of 70 small buses in favour of more accessible vans;
 - seeking new private bids for service before the end of the DARTS contract in 2017;
 - repatriate scheduling, reservations and dispatching duties from the contractor.
- Complaints about DARTS reached a crescendo not long after the service took control of those duties in 2012.

DARTS officials have argued the initial spike in complaints was due to technical failures that were gradually ironed out.

DARTS executive director Mark Mindorff said he would attend Monday's budget meeting but wanted to learn more about the recommendations before commenting.

But he did say it would be difficult for a contractor to control complaints if it didn't control scheduling. "If you're going to be held responsible for a service, you need to have control of that service."

Other complaints have stemmed from reported hour-or-more rides for some disabled passengers.

The service has also been inundated with new customers by changing provincial legislation that required DARTS to serve a broader array of passengers over a longer time frame each day.

Dixon said he is not suggesting an end to the often criticized shared-ride model of service, which involves the same vehicle picking up and delivering passengers on the same ride.

"We think it will help to better match customers to a more appropriate type of vehicle delivery," he said.

The presentation suggests DARTS is wasting money using buses to transport relatively few passengers over long distances. It recommends buying more but smaller accessible vans, as well as sedans for riders who don't have wheelchairs.

Dixon said he's not recommending folding the disabled transit service completely into the HSR.

Coun. Sam Merulla has repeatedly called for that move. But he said Friday the important thing is to start "rebuilding" an "antiquated" paratransit system.

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City looks to take more control over DARTS

NewsJan 29, 2016by [Matthew Van Dongen \(/hamilton-author/matthew-van-dongen/70C601F0-79A5-4189-B1DA-147F61545D27/\)](#) [✉ \(mailto:mvandongen@thespec.com\)](mailto:mvandongen@thespec.com) **The Hamilton Spectator**

Added Item 6.2

Form: Request to Speak to Committee of Council

Submitted on Friday, May 10, 2019 - 12:51 pm

==Committee Requested==

Committee: Public Works

==Requestor Information==

Name of Individual: Joe P Hruska

Name of Organization: Canadian Plastics Industry
Association and Resident

Contact Number: [REDACTED]

Email Address: jhruska@plastics.ca

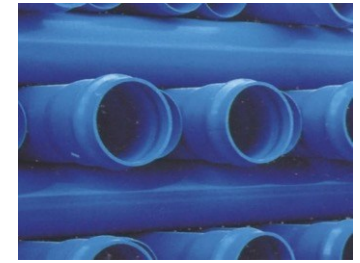
Mailing Address:

[REDACTED]
5955 Airport Rd., Suite 125
Mississauga ON L4V1R9

Reason(s) for delegation request: Address Single Use
resolution and bag bans

Will you be requesting funds from the City? No

Will you be submitting a formal presentation? Yes



City of Hamilton

Public Works Committee

Moving Hamilton Towards a Zero Plastic Waste Plan

Agenda 11.1

Joe Hruska

V.P. Sustainability

May 13, 2019



**Association canadienne de
l'industrie des plastiques**

since • depuis 1943

**Canadian Plastics
Industry Association**

Today's Presentation

Achieving Zero Waste

- About CPIA
- Plastics Value To Society
- Managing Plastics – Unmet Need
- Ecosystems & Industry Commitment
- Hamilton Motion & Approach

The Value of Plastics



Plastics packaged foods last longer, reducing wastage



Use of plastic pipes facilitates clean drinking water supplies



Plastic use in vehicles has reduced CO₂ emissions from transport



Plastic enables life saving medical devices like surgical equipment and drips

Example – reduces food waste



Fresh for 14 days



40%+ thrown out; plastics keep food fresh longer



Grapes in-store wastage **DOWN by 20%**



New potatoes in-store wastage **DOWN to <1%**

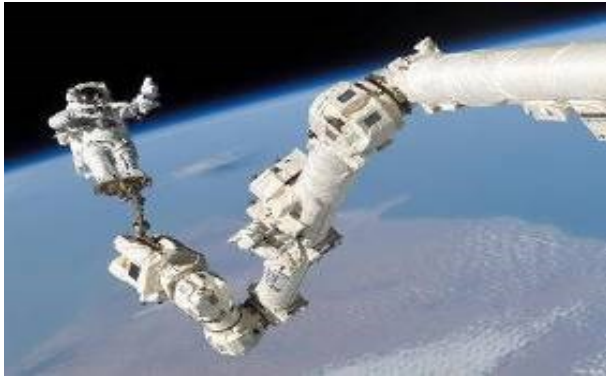


Bunches of identical bananas stored for 7 days loose and in a modified atmosphere bag

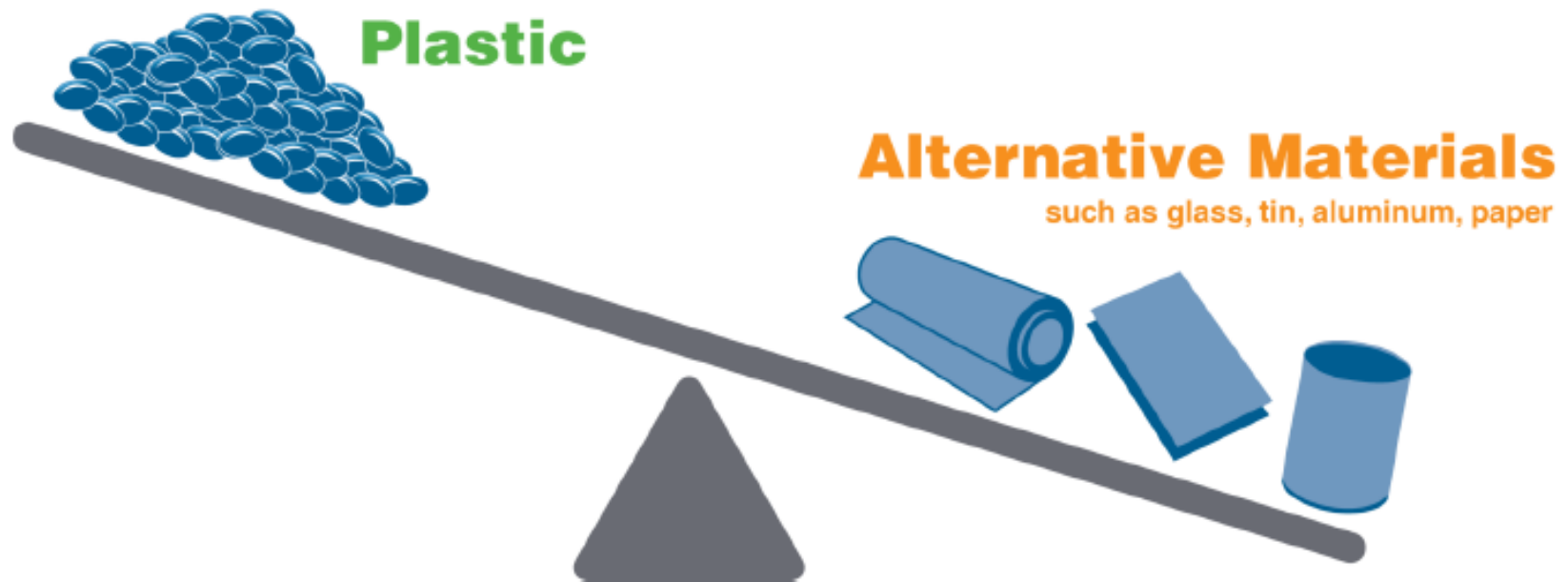
Source: Packaging in Perspective, Advisory Committee on Packaging, Supported by INCPEN

<http://www.thefactsabout.co.uk/files/98201010542packaginginperspective.pdf>

Plastics' contributions – providing many benefits



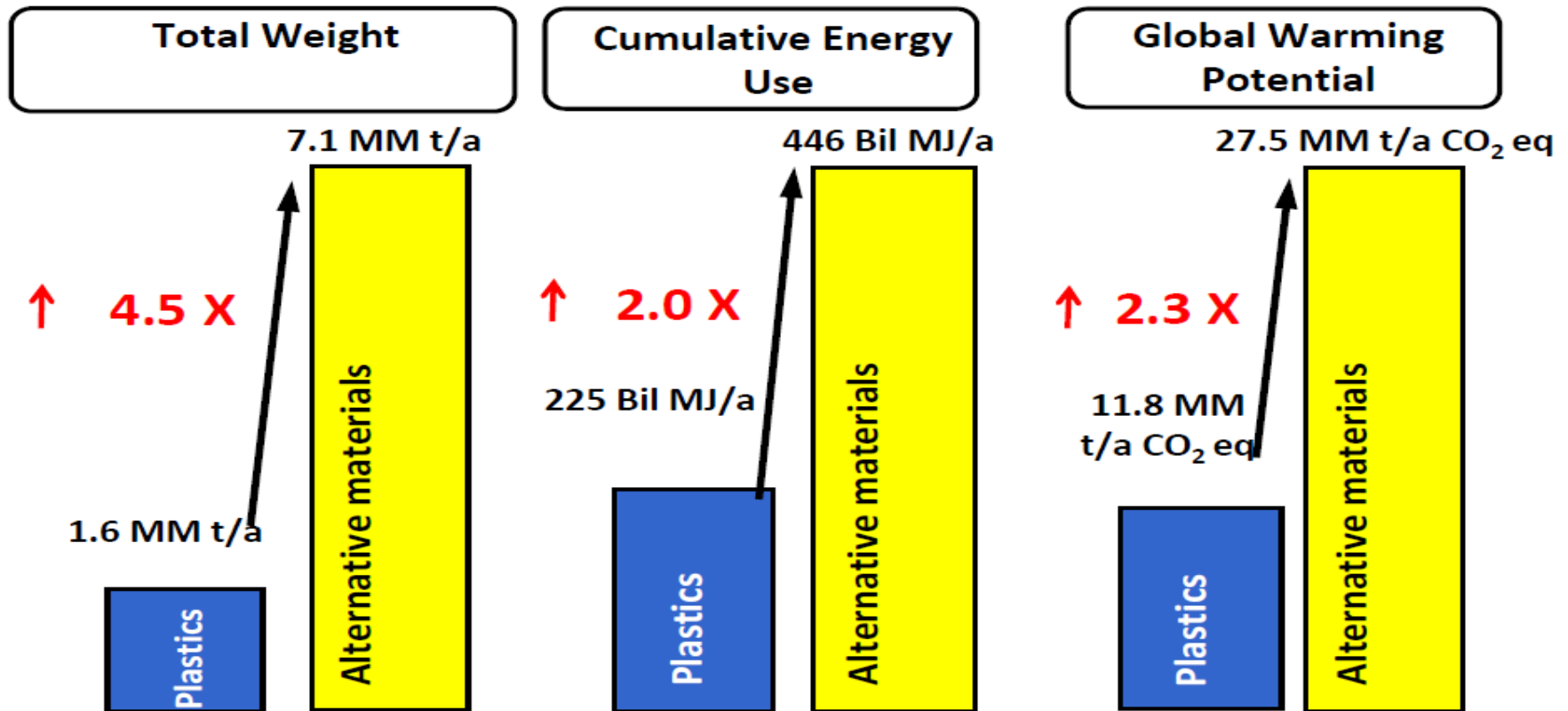
Plastics reduce environmental, economic & social costs



The environmental cost of plastic in consumer goods is **3.8X less** than alternative materials

Plastics vs. Alternatives

Plastic Packaging Reduces Mass, Energy Use and GHG Emissions



Source: Impact of Plastics Packaging on Life Cycle Energy Consumption & Greenhouse Gas Emissions in the United States and Canada, Franklin Associates, January 2014

Managing plastic waste is an unmet need

About **200 MMT** of plastic landfilled or ending up as litter

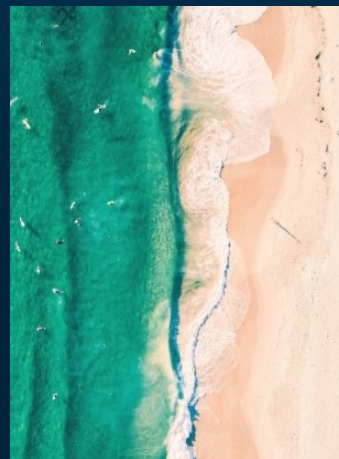


Improper waste management leads to significant leakage into oceans and seas (~8 MMT per year)

By 2025, the ocean could contain **1 ton** of plastic for every **3 tons** of finfish



Plastic waste production is expected to **double** in the next **15 years**



There is **untapped value** in **post-use plastic** that can be used to incentivize collection and reprocessing

Where does ocean waste begin?



80% OF OCEAN PLASTIC
BEGAN ON LAND

The infographic features a large white donut chart with 80% of the circle filled in light blue. The text '80%' is written in large white font to the left of the chart. To the right of the chart, the text 'OF OCEAN PLASTIC BEGAN ON LAND' is written in white, all-caps font. The background is a light blue sky with three white birds flying. In the foreground, a white plastic bottle with a red and black cap is shown floating in dark blue water, with a red and orange landmass visible on the left.

10 RIVERS

transport more than **90%** of river-based plastics to the ocean.



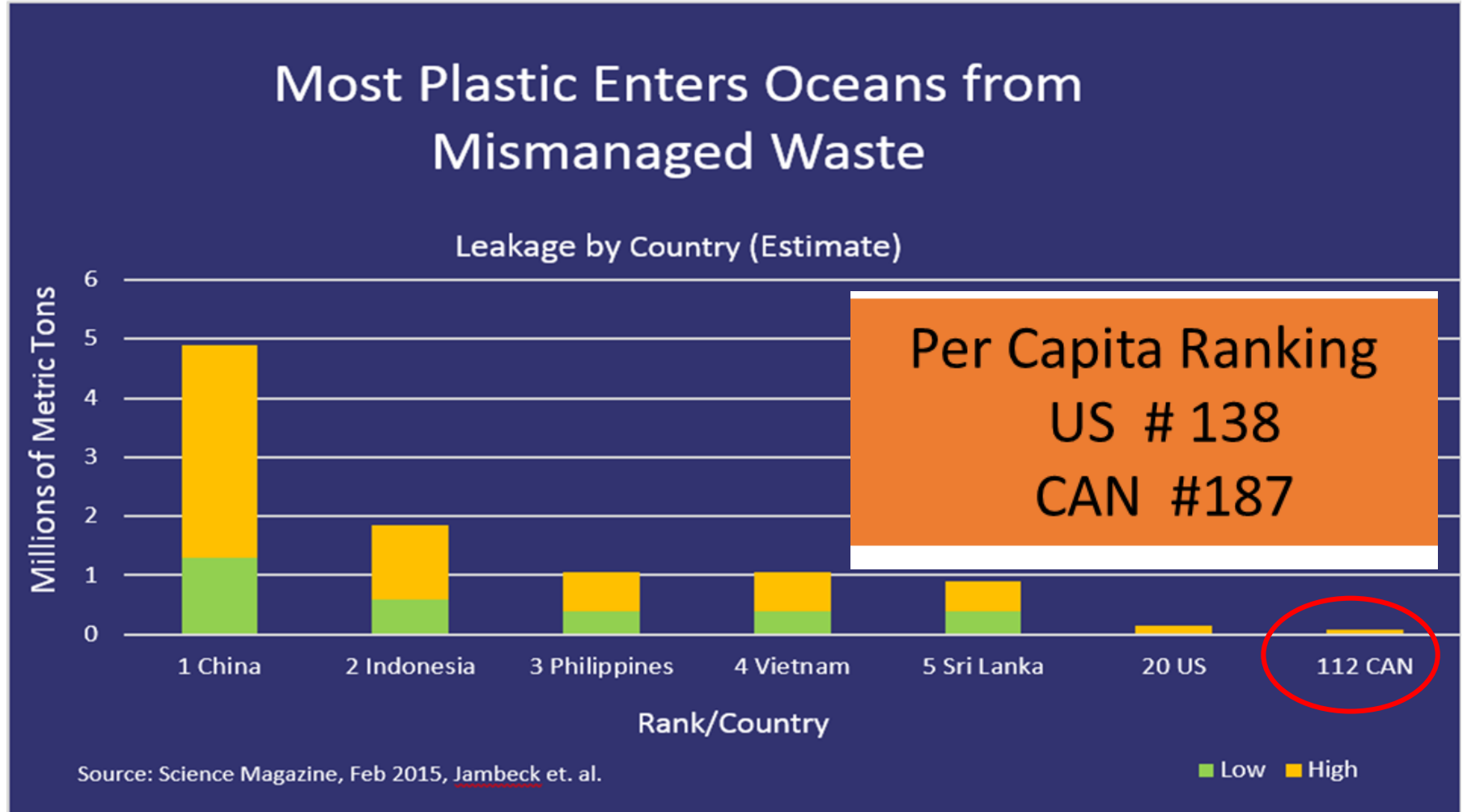
Commitment to End Ocean Waste Alliance



The Alliance to End Plastic Waste – 30+ companies – some CPIA members

- Focus on hotspots - \$1.5B on initiatives
- Working in partnerships, sharing expertise, four pillars

Where does marine litter come from?



G7 Plastics Charter – opportunity for positive change; CPIA commitment



G7 Commitment:

- Work with G7 countries' on global plastic commitment

Plastics recovery targets

Canada's plastics industry has established consensus, ambitious goals for plastics recovery:

MAY 2018

Set ambitious CE targets

2030

100 per cent of plastics packaging
recyclable or recoverable

2040

100 per cent of plastics packaging
reused, recycled, or recovered



Danger of symbolic action

**68% say ban -
'emotion based'**

Plastic Bag Bans Are Based on Hype, Not



When asked best way to reduce plastic waste, **most favourable answer was recycling, not bans**

- Government better waste management – 12%
- Better education – 15%
- Ban certain plastic products – 22%
- **Recover & reuse plastic products – 45%**

Hamilton Motion – needs science and facts

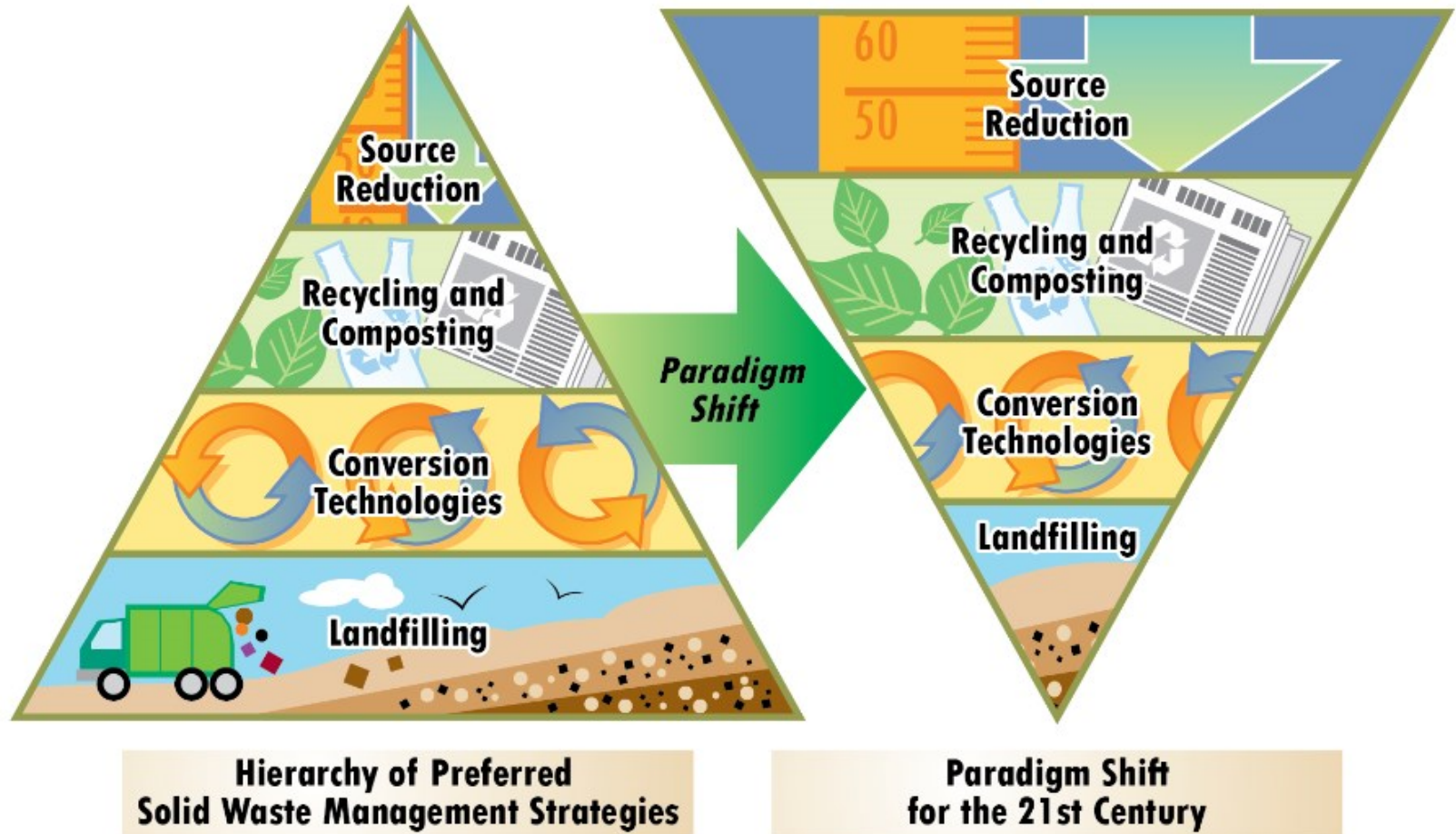
1. Key Recommendation & Amendment to the Motion:

Key Principle: Decisions made in the name of the environment should be based on science and fact

- **The City is committed to developing good policy based on the science and facts.**

- The City of Hamilton establish an expert working group to advise staff and Council on the facts and science to manage all waste and plastics in an environmental and economically sustainable way.
- The City work collaboratively with industry to plan and implement systems and communications that move the City closer to all Zero Waste.

Time for Greater Collaboration



Reproduced from Waste Advantage Magazine, August 15, 2014

Hamilton Motion – needs science and facts

2. PS Foam Recycling

- Hamilton removed foam from collection **on incomplete information to Council on markets**
- Hamilton foam shipped to end markets and was recycled – did not end up in landfill.
- New 21st Century molecular recycling markets coming on stream to recycle PS Foam into high value materials

Recommendation :

- **Re-implement collection of PS foam packaging to support the Circular Economy and local market development.**
- **Hamilton examine new molecular recycling markets that will produce new materials for roads, oils, waxes and printing inks.**

Hamilton Motion – needs science and facts

3. Black Plastics Recycling

- Black Plastic misinformation in the media & Hamilton motion
- Black plastics are recyclable – Revital Polymers Sarnia and EFS Plastics Listowell - <https://www.newswire.ca/news-releases/sarnia-plastics-recycler-wants-municipalities-blue-box-black-plastic-683846541.html>
- Technology exists to sort black plastics
<https://www.plastics.ca/PlasticTopics/RecyclingPlastics/BestPracticesCaseStudies>

Recommendation :

- Staff examine existing markets for black plastics locally.
- Staff examine technologies and/or manual sortation of black plastics

Hamilton Motion – needs science & fact

4. Policy Development for Zero Waste (not just plastics)

- This is not a plastic system - must take a holistic view and considered a resource recovery system if we are to aim for “Zero Waste” – air, water & land
- The Hamilton motion if based on other uninformed municipal actions will increase the City’s costs to manage waste and negatively impact the environment.

Recommendation:

- **City of Hamilton take a holistic approach to manage all waste and litter with a goal to reduce and approach Zero Waste Goals.**
- **Examine a Resource Recovery Framework that use complimentary approaches of Circular Economy and Sustainable Material Management**

Hamilton Motion – needs science & fact

5. Policy Development – Regulatory Options

- Restrictions on all recyclables to landfill from residential, industrial, commercial and institutional waste streams to increase diversion.
- Must be implemented with care to ensure market capacity exists.

Recommendation:

- **Implement a waste & landfill restriction on foam and other recyclables from all waste generators to boost diversion and provide a critical mass of recyclable feedstocks for manufacturing and the economy**

Hamilton Motion – needs science & fact

5. Procurement and Recycled Content

- If we are to support waste resource diversion and a circular economy, materials collected need markets to accept them for manufacturing
- Approx. 84% of plastics collected in Canada are recycled in North America with the balance exported until the China Sword program prohibited the import of recyclables - **Reports on Access to Residential Recycling of Plastics** <https://www.plastics.ca/PlasticTopics/RecyclingPlastics/BestPracticesCaseStudies>

Recommendation:

- **The City implement procurement guidelines for recycled content for plastics and other products to support the development of markets for materials collected.**



Questions

We welcome your thoughts and suggestions...



CPIA website: www.plastics.ca

Joe Hruska

VP Sustainability

jhruska@plastics.ca

905.678.7748 ext. 239

 @JoeHruskaCPIA



Banning Plastic Grocery Bags in Hamilton.

Catherine Mulcaster

change.org



Ban Plastic Grocery Bags in Hamilton Ontario.

340 have signed.

Public Works Committee May 13, 2019



- Each year an estimated 500 billion plastic bags are consumed world wide, which is equivalent to 1 million plastic bags being consumed per minute.
- In the ocean plastic is broken down into very small pieces - microplastics - which can then be consumed by fish and are indigestible.
- 90% of seabirds are found to have consumed some kind of plastic.
- One in three marine mammals are found to have been entangled in marine litter

The ban would include:

Plastic shopping and grocery bags

The ban would exclude:

Plastic wrapping and waste bags.

The ban would work in the form of a fine.

Banning Plastic Grocery Bags In Hamilton.

By Catherine Mulcaster

change.org



Ban Plastic Grocery Bags in Hamilton Ontario.

340 have signed.



By scanning this code, you will be taken to my petition on change.org.

8.1

Plastic Facts:

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