



2005 Hamilton Commuter Challenge Final Report



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1.0 EXECUTIVE SUMMARY

Climate change is a frequently discussed topic. This global issue will require continuous action and attention. The accumulating effects on our planet Earth and on future generations are serious—business as usual is not an option. Our daily habits, such as choices in commuting have a major impact on our environment and air quality which impact climate change. To ensure the sustainability of our world it is essential to engage Canadians in climate change solutions now, while raising awareness in local communities on environmental citizenship.

Together communities and governments are creating measurable actions and building momentum to reach Canada's Kyoto Commitments and greenhouse gas (GHG) reduction targets. Changing citizens' behaviours is a challenge. It starts with an understanding and education at the community level.

The Commuter Challenge promotes sustainable and active commuting and the personal, social and environmental cost/benefits of alternatives to the single occupied vehicle (SOV). This nationwide event takes place annually during Environment Week (first week in June) and engages Canadians in a friendly competition between cities to reduce the number of single occupancy vehicles travelling on our roads. It raises awareness on transportation, air quality and climate change to help reduce green house gases (GHG) that are related to our travelling choices. The Commuter Challenge aims to improve air quality through sustainable commuting habits.

Hamilton has recently celebrated six years of Commuter Challenge success. Green Venture is a not-for-profit community-based organization, which has co-ordinated the Hamilton Commuter Challenge since its inception in 2000. Green Venture encourages citizens to use active (walk, jog, cycle or in-line skate) and/or sustainable (bus, carpool or telework) modes of transportation during Environment week. This year the 2005 Hamilton Commuter Challenge had participation from 28 local organizations with a total of 1915 individuals committed to change their commutes during Environment Week, June 5th - June 11th 2005, greater participation than many of Canada's larger cities, including Toronto and Montreal. These exceptional Hamiltonians travelled by active and sustainable transportation reducing single-occupancy car trips by over 162,000 km.

Over the years Green Venture and the Hamilton Commuter Challenge have engaged approximately 10,000 individuals who made an active commitment to improving Hamilton's local air quality by using active or sustainable modes of transportation to reach their destinations. We have also recruited and registered many organizations that participate and try sustainable alternatives to travelling by the automobile. To reduce the impact pollution has on the city of Hamilton an air quality initiative that raises public awareness and engages the community year round is necessary.

The Commuter Challenge aspires to reach two goals in particular:

- 1) To ensure the City of Hamilton has the best air quality of any major urban area in Ontario; and
- 2) To encourage a shift in personal lifestyle and behaviour towards transportation choices that enhance personal health and fitness, save money and have the lowest environmental cost.

2.0 INTRODUCTION

The Commuter Challenge is a friendly competition between Canadian cities to see which one can cut its air pollution the most by encouraging citizens to use active and/or sustainable modes of transportation. Citizens can participate by walking, jogging, cycling, in-line skating, riding a bus, carpooling or tele-working anytime during Environment Week June 5th 2005 – June 11th 2005. The campaign was conceived as a high profile and fun way to reduce the number of people driving by themselves to work and to other destinations. The Commuter Challenge also provides an opportunity to recognize those people who commute all the year round by cleaner modes of transportation.

In addition to organizing the annual commuter challenge event, this year Green Venture recruited high schools to a week-long commuter challenge event in April. A separate report on this pilot is available from Green Venture.

During the 2005 Commuter Challenge businesses were encouraged to create their own events, incentives and prize donations. Green Venture joined in several recruitment strategies with participating organizations to help raise awareness on transportation choices, our local air quality and our health.

As with many cities around the world, Hamilton is experiencing poor air quality and smog days are increasing, occurring even in the winter. The quality of life and life itself is dependent on clean air. In Ontario, 1900 lives are lost annually due to air pollution. The question: how to move from current unsustainable trends in urban form and transportation towards a more sustainable future?

Hamilton Green Venture encourages sustainable and active transportation to meet the needs of our city and changing world. We are challenging Hamiltonians to adopt better commuting habits throughout the year and are encouraging organizations, schools and workplaces to set targets for vehicle trip reduction programs and make a more permanent switch to healthier commuting year round.

3.0 COMMUTER CHALLENGE EVENTS

This year we held three major events for the Commuter Challenge: Corporate Launch Breakfast, Volunteer Co-ordinator Day and Clean Air Day. Significant recruitment efforts were placed on outreach activities organized by participating organizations such as attending transportation fairs and festivals, and attending community meetings involving active and sustainable transportation groups. The Tally Finale on September 28th at a City Council meeting gave Green Venture the opportunity to promote its new partnership and trip reductions program and celebrate another successful Commuter Challenge.

3.1 Corporate Launch Breakfast, April 22nd

AIM:

The Corporate launch is the official beginning of the Commuter Challenge in the business community, which triggers commitments from old as well as new organizations. It also provides an opportunity to network and a platform to exchange ideas and to bring attention to the benefits of active and sustainable transportation and the importance of community involvement.

SUMMARY:

The launch of the 2005 Commuter Challenge was celebrated on Earth day April 22nd with a kick-off breakfast at the Chamber of Commerce. The event took place between 7:30am to 9:00am.

Guest speakers included Hamilton Councillor Bob Bratina who presented the History of Transportation in Hamilton, as well as Hamilton's Central Fleet manager Chris Hill who updated guests on Hamilton's Green Fleets. In addition special guest Canadian National High Jump Champion Wanita May gave a motivational speech on healthy commuting. Stoney Creek MPP Jennifer Mossop, Councillor Brian McHattie, Ontario Trillium Foundation representative and former City Councillor Anne Bain, and many corporate participants in this year's challenge attended. Approximately 50 individuals from a range of organizations attended the breakfast.

MEDIA:

The event was posted on the Act Locally on the Community Bulletin Board and through Raise the Hammer's Upcoming Events May and April, and Cable 14. Cable 14 media, South 905 was also there to televise the event!

3.2 Volunteer Co-ordinator Day, May 18th

AIM:

The main aim of this event was to provide opportunities to the volunteer co-ordinators to pick up Commuter Challenge resource materials such as, posters, manuals, resource CDs and transit stickers, meet with Green Venture's Commuter Challenge facilitator and network with other volunteers.

SUMMARY:

The open house was held at Green Venture on Wednesday May 18th to provide promotional materials and information for workplaces. Complementary beverages and snacks were provided and co-ordinators shared ideas on how to encourage and recruit participants, and promote awareness of the environmental, personal and economic benefits of adopting healthy commuting habits throughout the year.

3.3 Clean Air Day, June 8th

AIM:

This is the main event of the Commuter Challenge. This early morning event is organized every year to thank commuters who use public transit.

SUMMARY:

The event started early in the morning during the commuter rush hour at Gore Park. Green Venture staff and volunteers along with Mayor Di Ianni greeted transit riders with a free Hamilton Spectator. We thanked transit users for using sustainable transportation and helping spare the air in Hamilton. The Hamilton Spectator provided Green Venture with newspapers at \$0.05 each Green Venture distributed these newspapers for free to 1000 Clean Commuters at Gore Park from 7:30am to 9:00am. We registered transit user for the Commuter Challenge directly during the event. It was a successful initiative as we recruited an extra 92 people to the Commuter Challenge. HSR was once again an important partner in the 2005 Clean Air Day as they once again provided us with free one-day transit stickers, which we distributed to participating workplaces for one dollar each.

MEDIA:

The Hamilton Commuter Challenge and Clean Air Day were promoted on Y108 - Bob and Jodi's Morning show. Green Venture's Kelly Blandin challenged Hamiltonians to get out of their cars and use active and sustainable transportation during Environment Week and on Clean Air Day.

We also took the opportunity to take the Challenge outside of Environmental Week and Clean Air Day and encourage Hamiltonians to take the bus to Hamilton Tiger Cat games. The Hamilton Tiger Cats and the HSR formed a partnership that benefits our city and this initiative is a way to show how our community businesses can lead by example. We encouraged and challenged Ti-Cat fans to help spare our air and ride the bus for free on game days with a valid ticket during the regular season. The environmental, social and personal cost/benefits of taking transit to the game were also presented on the morning show.

3.4 Tally Finale, Sept 28th

AIM:

This event was a celebration of the successes of the 2005 Commuter Challenge in Hamilton. This was the time to thank all the individuals and organizations that participated in and contributed to the success of this year's events. Last year it was disappointing that no media representatives were present and it was recommended to look into having the 2005 Tally Finale at City Hall before a City Council meeting in order to recruit more media and have a more public venue.

SUMMARY:

The Tally Finale took place Wednesday September 28th at a Hamilton City Council meeting. Awards were presented to Hamilton's outstanding workplaces by Mayor Larry Di Ianni. The Tally Finale was the lead story on CH News at 11:00pm and the story was replayed the

following day. The support of the Mayor and Council and the change of venue proved most rewarding. Organizations and businesses that received awards and their achievements in reducing single-occupancy vehicle trips are listed in section 9.1 Outstanding Workplace Awards.

3.5 Additional Outreach Activities

- 🚲 Attended monthly Transportation for Liveable Communities (TLC) and Transit User Group (TUG) meetings
- 🚲 HSR Bus Rodeo
- 🚲 Y108 Morning Show with Bob and Jodi
- 🚲 McMaster's Active Transportation Fair
- 🚲 Mohawk College – Walk About & Commuter Challenge Launch
- 🚲 Dundas Busker Fest Booth – All weekend - Community Outreach and Recruitment
*over 100 recruited
- 🚲 Mohawk College Student Centre – Transportation Booth Recruitment
- 🚲 Environmental Week at Tax Centre – Transportation Booth Recruitment

3.6 Event Comments and Recommendations

Launch April 23rd

- 🚲 The Hamilton Chamber of Commerce was an excellent location. We received many positive comments about this event.
- 🚲 The launch invitation database needs updating.
- 🚲 Early planning is necessary to recruit volunteers and new organizations.
- 🚲 A media strategy is needed to raise awareness on the importance of active and sustainable commuting.

Volunteer Co-ordinator Day - May 18

- 🚲 Coordinators showed up at various times throughout the open house.
- 🚲 The day was not successful as in previous years. There was not a good turn out.

Clean Air day June 2nd

- 🚲 1000 newspapers delivered to Gore Park and distributed to transit users.
- 🚲 Some commuters commented on the paper “waste” during this event and felt it conflicted with Environment Week. Perhaps another way to reward commuters should be explored.

Tally Finale June 24th

🚲 Last year it was suggested we should look into having the 2005 Tally Finale at City Hall before a City Council meeting in order to recruit more media and have a more public venue, or before a Chamber of Commerce Board meeting.

🚲 The Tally Finale is scheduled September 28th at City Council Meeting

4.0 PROMOTIONAL MATERIALS

Go for Green provided Clean Air Day brochures and posters. Posters were used extensively in workplaces and throughout the city. We updated the 2004 campaign manual, newsletter and diary card, flyer and sign-up sheet for the 2005 campaign.

Campaign Manual	This manual gives many options on how you can run the Commuter Challenge in your office. It also gives brief surveys, which can be used to help understand the transportation needs of your employees and methods which can be used to promote sustainable means of transportation.
Clean Air Day/ Commuter Challenge Brochure	This brochure describes the importance of Clean Air Day, June 9, 2005 and gives a brief description of the Commuter Challenge and how our transportation choices affect our health.
Signup Sheets	Sign-up sheets are to be used to record what mode of transportation employees used and how far they traveled. At the end of the day co-ordinators should collect the signup sheet and enter the results on the www.commuterchallenge.ca
Registration Form	This form is for registration for the Commuter Challenge.
Poster	Official Go for Green Commuter Challenge poster
Commuter Challenge Logo	Green Venture's Hamilton Commuter Challenge Logo
Nominate an Unsung Hero	Form for Nominating Unsung Heroes: people who regularly travel by active or sustainable means of transportation.
Diary card	Diary cards are for recording what mode of transportation employees used and how far they traveled each day. Only to be used if it is not possible to use sign-up sheets.

5.0 RECRUITMENT

The recruitment process began by having pre-registration forms available at the Launch. We contacted all past participating organizations by email first and then by phone. We recruited a total of 28 organizations to participate in the 2005 Commuter Challenge and a total of 1,915 individual participants.

6.0 DATA COLLECTION

We encouraged workplaces to use sign-up sheets rather than diary cards for environmental reasons, or have employees use the website directly when the workstation is conducive to this. Most often workplace coordinators entered a mass entry of cumulative workplace kilometres. The biggest problem with this was in many cases all the kilometres were entered under one participant because the column to enter the number of participants was titled “unique users” and was confusing to coordinators. Some participants felt the website was confusing. We had success contacting several organizations and re-entered the results with the proper number of participants.

7.0 MEDIA COVERAGE

The Commuter Challenge was again, well promoted using local event calendars, newsletters and the local event media.

Chamber of Commerce Newsletter	Articles were in the newsletter once before the Launch and once before Environment week
Panorama Magazine	Article published in May edition of Chamber of Commerce “Panorama” magazine
Clean Air Hamilton	What’s New provided a link to register organisations in the Challenge
Raise the Hammer	Promoted the Commuter Challenge in April, May and June through its Newsletter
Team Wescam	The Commuter Challenge link and Green Venture’s link were publicized on their 2005 community events
Environment Hamilton	Trees Count May newsletter promoted the event
Y108 Bob & Jodi’s Morning Show	Live air time and interview with morning show hosts
South 905	Televised the Commuter Challenge Launch at the Chamber of Commerce and promoted the event
Commuter Challenge Posters	Posted around the city

8.0 SPONSORSHIP

We accumulated \$20,125 in sponsorship from our cash sponsors Clean Air Hamilton, TD Friends of the Environment, Environment Canada and Dofasco. We received \$950.00 in in-kind sponsorship from The Hamilton Spectator. Also, we accumulated a few prize donations from VIA Rail (\$874.44) and the Hamilton Tiger Cats (\$344). The 2005 Commuter Challenge accumulated a total sponsorship value of \$22,293.

CASH SPONSOR	DONATION	VALUE
Clean Air Hamilton	\$10,000	\$10,000
TD Friends of the Environment	\$4,000	\$4,000
Environment Canada	\$5,000	\$5,000
Dofasco Inc.	\$1,000	\$1,000
VFT	\$125	\$125
IN-KIND SPONSOR	DONATION	VALUE
Tiger Cats	8 tickets	\$344
VIA RAIL	2 tickets economy class in Windsor/Quebec corridor	\$874.44
Hamilton Spectator	1000 papers at \$0.05 each	\$950

Partners

The City of Hamilton was indispensable in organizing the City of Hamilton's participation and in providing cash funding to Green Venture and Clean Air Hamilton. HIEA's continued participation is the backbone of the Hamilton Commuter Challenge. We must especially note the valued contribution of Anne Turner, from VFT who coordinated the HIEA companies. We would also like to thank another important partner in the event, HSR, and especially Cindy Slinn for their help.

9.0 RESULTS

Hamilton placed fourth this year, moving up from its 2004 fifth place position for its category (population under 499,999). Waterloo Region beat Hamilton by less than 0.03%. 1,915 participants from Hamilton joined the Commuter Challenge this year, reducing single-occupancy car trips by over 162,000 km, a number higher than many of Canada's larger cities, including Toronto and Montreal. Twenty-eight Hamilton-based organizations and hundreds of individual residents committed to change their commutes during Environment Week.

Winning organizations based on the percentage participation among employees were: McMaster University, Mohawk College, Hamilton Utilities Corporation, The Economical Insurance Group, the Hamilton Community Foundation and Wazabike.

9.1 Outstanding Workplace Awards

Population greater than 1,000: **McMaster University** (12.4%)

McMaster University out-performed not only large organizations in Hamilton, but across all of Canada in the size category of 5000-9999 for the second year in a row. McMaster had 1115 staff and students participate this year, Alternative Commuting & Transportation (ACT) co-ordinators Jennifer Dawson, Daryl Bender and Lyanne Quirt estimated to represent 23% of the summer population on campus. These participants traveled 102,145 km by active and sustainable means. The combined efforts of McMaster's campus community saved a total of 20,475 kg of greenhouse gas emissions. The week was highlighted by a sustainable transportation fair, a celebration of clean air day, bike repair workshops, and many more events across the campus. Several participants also gave up their parking permits for the summer, helping to make the current parking crunch a little less painful.

Population from 500 - 999: **Mohawk College** (19.63%)

This was the first year **Mohawk College** participated and they achieved great results. The 157 staff and students, who participated, traveled a combined total of 7,194 km during the week of the challenge. Their efforts prevented the equivalent of 1.6 tonnes of greenhouse gasses from entering the atmosphere. Carpooling and public transit were the favoured methods of travel for these participants, together accounting for nearly 6,000 km of their total.

Population from 200 – 499: **Hamilton Utilities Corporation** (13.5%)

Hamilton Utilities Corporation saved 1,658 km, due to the efforts of 54 dedicated employees who demonstrated their corporate values. Hamilton Utilities Corporation strives to balance financial goals with their social and environmental objectives. They were very enthusiastic and are interested in further involvement and setting an example in the community by participating in more permanent trip reduction programs.

Population from 100 – 199: **The Economical Insurance Group** (6.67%)

The Economical Insurance Group saved 962.60 km. Employees from Economical across the country encouraged participation and branches competed within their corporation for prizes and recognition.

Population from 25 – 99: **The Hamilton Community Foundation** (61.29%)

The Hamilton Community Foundation once again committed to the week-long event. They saved 997.10 km again receiving an award for their outstanding efforts.

Population under 25: **Wazabike** (100%)

Despite having only one employee, **Wazabike** managed a very impressive result this year, as he commuted 333 km by recumbent bicycle during environment week. This prevented the creation of almost 100 kg of pollution. Rob Wazny uses year round sustainable commuting.

9.2 Grand Prize Winners

All Commuter Challenge participant names were entered into a draw a pair of economy class VIA Rail tickets valid anywhere in the Windsor-Quebec corridor, eight Hamilton Tiger Cat tickets and \$1000 Green Venture dollars to purchase environmental products at Green Venture.

PRIZE	WINNER	ORGANIZATION
2 Economy class VIA Rail Tickets	Bill Harris	McMaster University
8 Tiger Cat Tickets	(4) (4)	Dundas Community Center Dofasco
\$1000 Green Venture Dollars	Randomly Drawn	Randomly Drawn

9.3 Co-ordinator Recognition

Each co-ordinator was mailed a certificate of appreciation for their hard work. Further, a letter was mailed to their supervisor expressing our thanks for the co-ordinator's great work on the Commuter Challenge.

10.0 PROGRAM EVALUATION

Program evaluation is a key part of any annual community event. Our evaluation provides information on how we performed and how we can improve the Commuter Challenge for future campaigns. The 2005 Hamilton Commuter Challenge was very successful in many ways, but there are also quite few areas, which need improvement.

10.1 Evaluation of Participation

Total number of participating companies – 28 participating organizations, while there were 38 last year

Percentage of repeat companies – 24% of last year's participating companies participated again this year

Total number of individuals registered – 1,915 participants, up from 1,820 last year

Per capita participation rate and national standing – 1,915 out of 490,268 citizens participated, with a participation rate of 0.39% of the Hamilton population. That is 1 in every 256 Hamiltonians. Hamilton placed 2nd in Ontario, just behind Waterloo and 5th in Canada within our size category [behind Central Okanagan (0.79 %), Gatineau (0.57 %), Regina (0.45 %), and Waterloo Region (0.42 %)].

Kilograms of pollutants eliminated from the air during the Commuter Challenge – Hamilton diverted 32.4 tonnes of air pollution during Environment Week June 5th – 11th 2005.

Total number of participating organizations	28
Total number of individuals who participated	1,915
Total number of participants outside organizations	217
Number of returning participant organizations	13
Percentage of 2004 organizations which returned	24%
Percent of Hamilton residents participating	0.39%
Provincial Standing	2
National Standing	5
Total kilometers traveled	162,077.1 km
Total kilograms of pollutants eliminated from the air (CO ₂ eq)	32,387.58 kg

11.0 COMMENTS AND RECOMMENDATIONS

How can we improve the Commuter Challenge for future years?

- 🚲 We need to reinforce the message of the Commuter Challenge all year round
- 🚲 We need to expand the reach of the program to youth and other commuter groups
- 🚲 Partner with leaders in the community to help recruit participation and raise awareness

Appendix A

Table of Participation Results

Organization	Population	Participants	% of Pop.	Km
5,000 – 9,999 Employees				
McMaster University	5000	1115	22.3%	102,145.4 km
City of Hamilton	9343	143	1.53%	16,717.9 km
DOFASCO	7200	65	0.9%	8,800.5 km
1,000 – 4,999 Employees				
Redeemer University College	1000	4	0.4%	259 km
500 – 999 Employees				
Mohawk College	800	157	19.63%	7,194.2 km
400 – 499 Employees				
Hamilton Utilities Corp.	400	54	13.5%	10,627.2 km
Canada Revenue Agency – Hamilton	400	14	3.5%	1,259 km
300 – 399 Employees				
Philip Services Inc.	300	4	1.33%	274 km
200 – 299 Employees				
Wescam Inc.	215	1	0.47%	140 km
100 – 199 Employees				
Liburdi Engineering	140	8	5.71%	1,200.5 km
The Economical Insurance Group	120	8	6.67%	962.60 km
Re/max	100	1	1%	200 km
50 – 99 Employees				
Hamilton Conservation Authority	70	22	31.33%	1939 km
Air Liquide	50	11	22%	1013 km
Columbian Chemicals Canada Ltd.	95	15	15.79%	997.9 km
VFT Canada Inc.	66	8	12.12%	444 km
Ontario Ministry of Finance	70	1	1.43%	51 km
1 – 49 Employees				
Green Venture	7	7	100%	530 km
Bay Area Restoration Council	4	4	100%	120 km
Dundas Community Services	4	4	100%	95 km
Wazabike	1	1	100%	333 km
Hamilton Community Foundation	31	19	61.29%	997 km
Parks Canada - Canada Marine	17	7	41.18%	527.8 km

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Discovery Centre				
Volunteer Hamilton	9	3	33.33%	171 km
Grovers	3	1	33.33%	12 km
Hamilton Chamber of Commerce	25	7	28%	540 km
Social Planning and Research Council of Hamilton	14	1	17.14%	220.5 km
Lafarge Hamilton Slag	34	1	2.94%	142 km
Events/Individuals				
Buskerfest	n/a	121	n/a	1011 km
Clean Air Day	n/a	92	n/a	1250.2 km
Registered Users from Hamilton	n/a	4	n/a	1735 km
HAMILTON TOTALS:	490268	1,915	0.39 %	162,077.1 km

Appendix B

Table of Emission Reduction Results

Oganization	Km	PM2.5	NOx	CO₂ eq
5,000 – 9,999 Employees				
McMaster University	102,145.4 km	444.62 (g)	98,906.85 (g)	20,374.28 (kg)
City of Hamilton	16,717.9 km	78.34 (g)	16,456.68 (g)	3,389.88 (kg)
DOFASCO	8,800.5 km	58.88 (g)	8,506.52 (g)	1,751.77 (kg)
1,000 – 4,999 Employees				
Redeemer University College	259 km	2.33 (g)	280.82 (g)	57.82 (kg)
500 – 999 Employees				
Mohawk College	7,194.2 km	21.12 (g)	7,829.30 (g)	1,613.15 (kg)
400 – 499 Employees				
Horizon Utilities Corp.	10,627.2 km	58.55 (g)	8,055.34 (g)	1,658.79 (kg)
Canada Revenue Agency – Hamilton	1,259 km	5.73 (g)	1,206.98 (g)	248.62 (kg)
300 – 399 Employees				
Philip Services Inc.	274 km	1.76 (g)	211.46 (g)	43.54 (kg)
200 – 299 Employees				
Wescam Inc.	140 km	1.58 (g)	190.39 (g)	39.20 (kg)
100 – 199 Employees				
Liburdi Engineering	1,200.5 km	10.42 (g)	1,259.83 (g)	259.40 (kg)
Economical Insurance Group	962.60 km	3.49 (g)	890.93 (g)	183.54 (kg)
Re/max	200 km	2.26 (g)	271.98 (g)	56.00 (kg)
50 – 99 Employees				
Hamilton Conservation Authority	1939 km	8.75 (g)	1,052.90 (g)	216.79 (kg)
Air Liquide	1013 km	1.21 (g)	1,309.01 (g)	269.77 (kg)
Columbian Chemicals Canada Ltd.	997.9 km	8.44 (g)	1,015.78 (g)	209.15 (kg)
VFT Canada Inc.	444 km	2.26 (g)	463.68 (g)	95.51 (kg)
Ontario Ministry of Finance	51 km	0.38 (g)	68.87 (g)	14.18 (kg)
1 – 49 Employees				
Green Venture	530 km	1.87 (g)	608.87 (g)	125.45 (kg)
Bay Area Restoration Council	120 km	0.79 (g)	95.19 (g)	19.60 (kg)
Dundas Community Services	95 km	0.20 (g)	103.67 (g)	21.36 (kg)
Wazabike	333 km	3.76 (g)	452.85 (g)	93.24 (kg)
Hamilton Community	997 km	6.27 (g)	899.30 (g)	185.20 (kg)

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Foundation				
Parks Canada - Canada Marine Discovery Centre	527.8 km	4.86 (g)	714.95 (g)	147.23 (kg)
Volunteer Hamilton	171 km	0.25 (g)	202.98 (g)	41.83 (kg)
Grovers	12 km	0.14 (g)	16.32 (g)	3.36 (kg)
Hamilton Chamber of Commerce	540 km	0.00 (g)	718.87 (g)	148.16 (kg)
Social Planning and Research Council of Hamilton	220.5 km	1.40 (g)	297.08 (g)	61.19 (kg)
Lafarge Hamilton Slag	142 km	0.86 (g)	103.35 (g)	21.28 (kg)
Events/Individuals				
Buskerfest	1011 km	5.54 (g)	913.96 (g)	188.23 (kg)
Clean Air Day	1250.2 km	0.86 (g)	1,658.50 (g)	341.81 (kg)
Registered Users from Hamilton	1735 km	5.28 (g)	2,223.23 (g)	458.09 (kg)
HAMILTON TOTALS:	162,077.1 km	743.99 (g)	157,229.97 (g)	32,387.58 (kg)

Km – Kilometres Traveled

PM2.5 – Airborne Particulate Matter

NO_x – Nitrous Oxides (g/kg)

CO₂ eq – Carbon Dioxide Equivalent