

Mississauga Cycling Advisory Committee

Date

2018/03/06

Time

6:30 PM

Location

Civic Centre, Committee Room A - Second Floor, 300 Civic Centre Drive, Mississauga, Ontario, L5B 3C1 Ontario

Members

Donnie Morris, Citizen Member, (Chair) Irwin Nayer, Citizen Member, (Vice-Chair) Councillor Chris Fonseca, Ward 3 David Daglish, Citizen Member Dorothy Tomiuk, Citizen Member Edisa Kozo, Citizen Member Greg Symons, Citizen Member Glenn Voakes, Citizen Member Jonathan Giggs, Citizen Member Leonard Verwey, Citizen Member Natalie Halff, Citizen Member Richard Dubiel, Citizen Member Roy Buchanan, Citizen Member

Agency Representatives/City Staff

Wayne Chan, Manager, Sustainable Transportation at Region of Peel Jeremy Blair, Manager, Transportation Infrastructure Management Matthew Sweet, Manager, Active Transportation Max Gill, Supervisor, Traffic Operations Jelmer Stegink, Active Transportation Demand Management Coordinator Kimberly Hicks, Communications Advisor

Contact

Stephanie Smith, Legislative Coordinator, Legislative Services 905-615-3200 ext. 3795 <u>stephanie.smith@mississauga.ca</u>

Find it Online

- 1. CALL TO ORDER
- 2. APPROVAL OF AGENDA
- 3. DECLARATION OF CONFLICT OF INTEREST
- 4. MINUTES OF PREVIOUS MEETING
- 4.1. Mississauga Cycling Advisory Committee Minutes February 13, 2018
- 5. DEPUTATIONS
- 5.1. Darnel Harris, Resident with respect to the Light Rail Transitway (10minutes)
- 5.2. Wai-Lyn Wong, Project Engineer, Pratt & Whitney Canada with respect to the Cycling Master Plan (10minutes)
- 6. PUBLIC QUESTION PERIOD 15 Minute Limit

Pursuant to Section 42 of the Council Procedure By-law 0139-2013, as amended: Mississauga Cycling Advisory Committee may grant permission to a member of the public to ask a question of Mississauga Cycling Advisory Committee, with the following provisions:
1. The question must pertain to a specific item on the current agenda and the speaker will state which item the question is related to.
2. A person asking a question shall limit any background explanation to two (2) statements, followed by the question.
2. The total agendary free abell he fire (5) minutes, maximum, per applying

3. The total speaking time shall be five (5) minutes maximum, per speaker.

- 7. MATTERS TO BE CONSIDERED
- 7.1. Tour de Mississauga Long Term Strategy (Jelmer Stegnik, Active Transportation Marketing and Education Specialist 10 minutes)
- 7.2. Cycling Master Plan Update (Matthew Sweet, Manager, Active Transportation 10 minutes)
- 7.3. Ontario Bike Summit (Donnie Morris, Citizen Member 5 minutes)
- 7.4. Community Rides Update (Jonathan Giggs, Citizen Member 5 minutes)
- 7.5. Mississauga Cycling Advisory Committee 2018 Work Plan (Donnie Morris, Citizen Member 5 minutes)
- 7.6. Communications and Promotions Subcommittee Update (Dorothy Tomiuk, Citizen Member 5 minutes)

- 7.7. Road Safety Mississauga Update (Leonard Verwey, Citizen Member 5 minutes)
- 7.8. Network and Technical Subcommittee Update (Donnie Morris, Citizen Member 5 minutes)
- 8. OTHER BUSINESS
- 9. DATE OF NEXT MEETING April 10, 2018
- 10. ADJOURNMENT



Mississauga Cycling Advisory Committee

Date

2018/02/13

Time

6:32 PM

Location

Civic Centre, Committee Room A - Second Floor, 300 Civic Centre Drive, Mississauga, Ontario, L5B 3C1 Ontario

Members Present

Donnie Morris, Citizen Member, (Chair) Irwin Nayer, Citizen Member, (Vice-Chair) Councillor Chris Fonseca, Ward 3 David Daglish, Citizen Member Edisa Kozo, Citizen Member Glenn Voakes, Citizen Member Greg Symons, Citizen Member Jonathan Giggs, Citizen Member Leonard Verwey, Citizen Member Natalie Halff, Citizen Member Richard Dubiel, Citizen Member

Members Absent

Dorothy Tomiuk, Citizen Member Roy Buchanan, Citizen Member

Present Agency Representatives/City Staff

Wayne Chan, Manager, Sustainable Transportation at Region of Peel Matthew Sweet, Active Transportation Manager Jelmer Stegink, Active Transportation Demand Management Coordinator Kimberly Hicks, Communications Advisor Stephanie Smith, Legislative Coordinator

1. <u>CALL TO ORDER</u>- 6:32PM

2. <u>APPROVAL OF AGENDA</u> The following items were added to the agenda: introduction of the newly appointment Citizen Member and Road Safety Mississauga Committee update.

Approved as amended (J. Giggs)

- 3. DECLARATION OF CONFLICT OF INTEREST Nil
- 4. <u>MINUTES OF PREVIOUS MEETING</u>
- 4.1. Mississauga Cycling Advisory Committee Minutes January 9, 2018

<u>Approved</u> (I. Nayer)

- 5. <u>DEPUTATIONS</u>
- 5.1. Winter Maintenance (Scott Holmes, Manager, Works Operations)

Scott Holmes, Senior Manager, Operations Maintenance spoke to the winter maintenance of bike paths and multi-use trails. He noted that the City is governed by the minimum maintenance standards set out by the Province and that new minimum maintenance standards would be implemented on April 1, 2018. Mr. Holmes noted staff would be bring a Corporate Report to a future General Committee to outline the implementation of the new minimum maintenance standards.

Members of the Committee asked the following questions: who is responsible for maintaining park trails; Regional road standards; the maintenance of the Burnhamthorpe Trail; timeframe of the street sweepers to sweep the roadways; minimum maintenance standards for sidewalks; and the breakdown of salt on a bike path. Mr. Holmes responded to questions.

Kimberly Hicks, Communications Advisor spoke to altering City graphics and posting altered graphics on the Mississauga cycling website.

RECOMMENDATION

That the deputation by Scott Holmes, Manager, Works Operations regarding winter maintenance be received.

Received (D. Daglish) Recommendation MCAC-0003-2018 2

PUBLIC QUESTION PERIOD - 15 Minute Limit – Nil Pursuant to Section 42 of the Council Procedure By-law 0139-2013, as amended: Mississauga Cycling Advisory Committee may grant permission to a member of the public to ask a question of Mississauga Cycling Advisory Committee, with the following provisions:

- 1. The question must pertain to a specific item on the current agenda and the speaker will state which item the question is related to.
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- 3. The total speaking time shall be five (5) minutes maximum, per speaker.

7. <u>MATTERS CONSIDERED</u>

Glenn Voakes, Citizen Member introduced himself to the Committee and provided an overview of his involvement within the community.

7.5 <u>Active Transportation Manager Announcement (Matthew Sweet, Manager, Active Transportation 5 minutes)</u>

Jonathan Giggs, Citizen Member enquired when the Active Transportation Coordinator position would be filled. Matthew Sweet, Manager, Active Transportation noted that by the April Mississauga Cycling Advisory Committee meeting the selected candidate should be at the meeting.

7.1. <u>Ontario Municipal Commuter Cycling Program - Projects for 2018 (Matthew Sweet,</u> <u>Manager, Active Transportation 10 minutes)</u>

Mr. Sweet spoke to the allocation of the funds received for the Ontario Municipal Commuter Cycling Program and the projects planned for 2018.

Members of the Committee spoke to the Collegeway Protected Bicycle Lanes project.

RECOMMENDATION

That the memorandum by Matthew Sweet, Manager, Active Transportation entitled Ontario Municipal Commuter Cycling Program - Projects for 2018 be received.

<u>Received</u> (I. Nayer) Recommendation MCAC-0004-2018

7.2. <u>Millcreek Drive Multi-use Trail Design Review(Matthew Sweet, Manager, Active Transportation 5 minutes)</u>

Mr. Sweet spoke to the modification of the design for the project and outlined the characteristics of the Millcreek Drive multi-use trail, privacy fences and the impact on trees.

Irwin Nayer, Jonathan Giggs, Citizen Members and Councillor Fonseca spoke to the investment of the project and ensuring there's clear signage along the trail. Mr. Sweet spoke to making connections into Go Stations and that the project had already been tendered and awarded.

RECOMMENDATION

That the memorandum by Matthew Sweet, Manager, Active Transportation entitled Millcreek Drive Multi-use Trail Design Review be received.

<u>Received</u> (J. Giggs) Recommendation MCAC-0005-2018

7.3. <u>2018 Community Rides (Jelmer Stegnik, Active Transportation Marketing and Education Specialist 15 minutes)</u>

Jonathan Giggs, Citizen Members spoke to the planning of the 2018 Community Rides.

Members of the Committee made the following comments: resources needed to implement the 2018 rides, the registration system, hotel tax and the need for Members of the Committee to volunteer.

RECOMMENDATION

That the memorandum entitled 2018 Community Rides from Jelmer Stegnik, Active Transportation Marketing and Education Specialist be received.

<u>Received</u> (G. Symons) Recommendation MCAC-0006-2018)

7.4. <u>2018 Tour de Mississauga (Jelmer Stegnik, Active Transportation Marketing and</u> Education Specialist 15 minutes)

Mr. Stegnik spoke to the 2018 Tour de Mississauga and outlined a continued working partnership with SustainMobility and next steps.

Members of the Committee spoke to the 2017 Tour de Mississauga and discussed start time of routes, rest stops and that the event is a great cycling celebration.

RECOMMENDATION

- 1. That the Mississauga Cycling Advisory Committee partners with the Active Transportation Office to organize Tour de Mississauga 2018.
- 2. That the Mississauga Cycling Advisory Committee forms a Tour de Mississauga 2018 workgroup with members interested in helping event planning.
- 3. That the Mississauga Cycling Advisory Committee recruiting event volunteers for key event operation positions.
- 4. That in principal of General Committee's approval of a future Corporate Report outlining the operational models for the 2018 and 2019 Tour de Mississauga, that \$5000.00 be transferred to the Active Transportation budget from the 2018 Mississauga Cycling Advisory Committee (MCAC) budget in support the 2018 Tour de Mississauga.

<u>Approved</u> (Councillor Fonseca) Recommendation MCAC-0007-2018

7.6. <u>Discussion of Formal Recommendations and MCAC Social Media Websites (Matthew</u> <u>Sweet, Manager, Active Transportation 5 minutes)</u>

Mr. Sweet provided clarification on the formal process on altering City logos and graphics on social media sites and appropriate language to use on the Mississauga cycling website. Donnie Morris, Citizen Member noted that he would email Dorothy Tomuik to remove a winter maintenance graphic on the website.

Councillor Fonseca noted that she raised winter operations related to cycling at a previous General Committee meeting and that communications is now using social media to provide information regarding winter maintenance of active transportation infrastructure.

7.7. Mississauga Cycling Advisory Committee 2018 Work Plan

Members of the Committee discussed the committee's priorities for 2018 and requested an additional \$10,000 for the 2018 Community Rides and an additional \$1,000 for committee projects.

Recommendation

That the 2018 Mississauga Cycling Advisory Committee 2018 work plan be approved as amended.

Approved (J. Giggs) Recommendation MCAC-0008-2018

7.8. <u>Communications and Promotions Subcommittee Update (Dorothy Tomiuk, Citizen</u> <u>Member 5 minutes)</u>

Donnie Morris, Citizen Member spoke to the Communications and Promotions Subcommittee update and outlined the following initiatives: CycleON Action Plan 2.0; Cycling Tourism; snow ploughing of cycling infrastructure; MCAC not participating in this year's Toronto Bike Show; Ontario Bike Summit; Community Ride t-shirts; May 12th tree planting; roll out of the community ride survey; and organizing a Jim Tovey remembrance ride.

RECOMMENDATION

That the written correspondence by Dorothy Tomiuk, Citizen Member regarding the Communications and Promotions Subcommittee Update be received.

Received (R. Dubiel) Recommendation MCAC-0009-2018

7.9. <u>Network and Technical Subcommittee Update (Donnie Morris, Citizen Member 5 minutes)</u>

No update provided.

8. <u>INFORMATION ITEMS</u>

8.1. Updates to the Workplace Violence and Respectful Workplace Policies

RECOMMENDATION

That the memorandum from Stephanie Smith, Legislative Coordinator regarding the Workplace Violence and Respectful Workplace Policies be received.

<u>Received</u> (I. Nayer) Recommendation MCAC-0010-2018

9. <u>OTHER BUSINESS</u>

Leonard Verwey, Citizen Member provided an update on the Road Safety Mississauga Committee and noted that they discussed their work plan, intersection safety, an update of the road safety handbook and vision zero at the last meeting.

Jonathan Giggs, Citizen Member spoke to the adoption of the Vision Zero principals for the City of Mississauga.

10. DATE OF NEXT MEETING - March 6, 2018

11. <u>ADJOURNMENT</u> – 8:35 PM



Pratt & Whitney Canada Corp. 1801 Courtneypark Drive East Mississauga, Ontario, Canada L5T 1J3 (905) 564-7500



November 2, 2017

BY EMAIL: cycling@mississauga.ca

Ms. Pauline Craig Cycling Master Plan Project Lead City of Mississauga 201 City Centre Drive Mississauga, ON, L5B 2T4 (8th floor) Tel: 905-615-3200 Ext. 3617

SUBJECT: Cycling Master Plan

To Ms. Pauline Craig and the Cycling Master Plan Committee:

INTRODUCTION

In 2010, the City of Mississauga executed a 20-year Cycling Master Plan with a vision to make Mississauga a bicycle-friendly city with the goal being to have more people cycle for commuting purposes, leisure and exercise.

"Cycling will become a way of life in the City of Mississauga that supports vibrant, safe and connected communities. Mississauga will be a place where people choose to cycle for recreation, fitness and daily transportation needs; enhancing our overall health and quality of life." ~ Mississauga Cycling Master Plan 2010

This year, the City is working towards updating its Cycling Master Plan and is engaging the public as well as local businesses to get involved and provide input. As part of the project, the City launched a "Does Cycling Move You?" survey to better understand what motivates residents and commuters to cycle more often. As part of the evaluation, the City requested that individuals review the existing cycling infrastructure map and provide feedback regarding what changes should be made to further encourage residents and commuters to cycle more frequently.

Pratt & Whitney Canada Corp. (P&WC), a Smart Commute client since 2011, is keen on providing location-specific feedback on existing and proposed cycling infrastructure in the Dixie and Courtneypark area so that we can ultimately encourage more employees to cycle to work.

WHO IS P&WC

Pratt & Whitney Canada is an aircraft engine company, with a global footprint of over 10,000 employees. The Mississauga plant at 1801 Courtneypark Drive East is a design,

assembly and production facility employing approximately 700 people. We are an integral part of the industrial neighbourhood on the western perimeter of Pearson Airport.

P&WC CYCLISTS

P&WC currently supports and promotes cycling among its employees, including its annual Bike to Work Day event that sees over 35+ employees cycling to work annually. As an organization, we are concerned about promoting cycling to our employees' on an ongoing basis due to a lack of safe cycling infrastructure in the area. P&WC would like to promote cycling beyond Bike to Work Day and into the cycling season with promotions such as "Bike Friday's" but will only do so if the appropriate cycling infrastructure is in place.

For some time now, P&WC has advocated for new cycling infrastructure in the Dixie/Courtneypark area, both to Smart Commute and the City. With this letter, P&WC would like to provide the City with meaningful information as to why the need is strong. The information provided is important as it will help the City understand the barriers P&WC's employees face when cycling to work and hopefully create a conversation as to how these current issues can be resolved.

After learning about the City's evaluation process for the Cycling Master Plan, P&WC approached SustainMobility to help evaluate all current and proposed cycling infrastructure in the Dixie/Courtneypark and Pearson Airport Areas.

P&WC and SustainMobility have detailed recommendations on what we would like to see implemented in the new Cycling Master Plan to help foster safe cycling options in the area, as well as further engage and encourage more cycling among our employees.

Our goal is to increase the number of occasional cyclists and convert some "occasional" cycling commuters into "regular" cycling commuters.

WHY FOCUS ON P&WC?

In 2015, P&WC conducted a Smart Commute employee survey that asked "What would encourage you to cycle more?" Eighty-one percent of employees responded that they would be willing to cycle more often if "cycling lanes and pedestrian paths" were made available.

This letter comes on behalf of a large population of would-be cyclists in the Dixie / Courtneypark and Pearson Airport Areas who would be encouraged to cycle to work and would benefit from safe cycling infrastructure. P&WC partnered with SustainMobility to assess the last eight years of all existing and proposed cycling infrastructure in the Pearson Aiport Area. An analysis of where all current P&WC employees live and which cycling routes would best suit these commuters was executed. See Attachment 1, "Cycling Infrastructure Analysis Report".

The "Cycling Infrastructure Analysis Report" prioritizes the five (5) highest value cycling routes that would benefit P&WC commuters. Additionally, SustainMobility's cycling usage

Letter to Pauline Craig dated November 2, 2017 City of Mississauga

survey data suggests that an improvement in cycling infrastructure would increase the number of P&WC cycle commuters to over 200 (Attachment 2).

CYCLING MASTER PLAN PRIORITIZATION

Given the potential increase in the number of cycling commuters, P&WC would appreciate the City of Misssissauga's consideration in prioritizing the following five (5) routes as recommended in the attached Cycling Infrastructure Analysis Report (1= top priority):

- 1. Etobicoke Creek
- 2. Courtneypark
- 3. Eglinton
- 4. Derry
- 5. Tomken

The recommendations of the report only prioritize the route and not the exact type of cycling infrastructure to be built. From speaking with our current cycle commuters, having dedicated real estate is a great start (i.e. bike lane or trails that are not shared with cars), but commuters have a different goal from pleasure cyclists – commuters need to get from A to B in a timely fashion. This means that off-road trails where cyclists must stop/slow/dismount frequently at driveway crossings will not be used if they cause the commute time to be increased over sharing the road with cars.

Letter to Pauline Craig dated November 2, 2017 City of Mississauga

P&WC is keen to work together with the City of Mississauga to make the city a bicycle friendly city. Why? The benefit to us of increasing the number of cycle commuters is a smaller environmental footprint and a healthier work force, but cycling to work must be made safer than it is today in order to make this happen. This letter is intended to start a dialogue with you, so please reach out and we will be happy to work with you.

Sincerely,

Wai-Lyn Wong Project Engineer, PW300 Turbofan Engines Pratt & Whitney Canada Email: <u>Wai-Lyn.Wong@pwc.ca</u> Tel: 905-564-7500 Ext. 67396

Griff Williams Plant 22 General Manager Pratt & Whitney Canada Email: <u>Griffith.Williams@pwc.ca</u> Tel: 905-564-4128

- cc: Glenn Gumulka, Executive Director, Sustain Mobility
- Encl: (1) Pratt & Whitney Canada Corp. -2017 Cycling Report.pdf
 - (2) Smart Commute Pearson Airport Area Cycling Usage Analysis.xlsx



Cycling Infrastructure Analysis Report

September 26th, 2017

TRANSPORTATION SOLUTIONS MADE EASY

Priority Cycling Infrastructure

In this cycling infrastructure analysis report we will compare both existing and proposed cycling routes. The first map titled, 'Existing Cycling Infrastructure' illustrates both current cycling infrastructure, as well as, target areas requiring improvement in the cities of Brampton, Mississauga, Toronto, and Vaughan. This is followed by the map titled, 'Proposed Cycling Infrastructure', which outlines the proposed routes based on the cycling and active transportation master plans from their respective municipalities. The final map titled, 'Priority Cycling Infrastructure' is a combination of the first two maps, targeting five high priority areas surrounding Pratt & Whitney Canada Corp. that would significantly improve cycling capabilities for the employees within the organization. These five routes are outlined in the City of Mississauga's 2010 Cycling Transportation Master Plan.

However, the plan is coming under review beginning March 2018. The review will assess the last eight years and all existing and proposed routes, whilst prioritize upcoming projects and infrastructure, including all facility types and implementation plan for capital projects for priorities. Pratt & Whitney is encouraged to comment and engage in the process. Comments will be accepted at **doescyclingmoveyou.ca** until mid-October 2017. Other engagement processes for Pratt & Whitney Canada Corp. are to contact the Mississauga Cycling Advisory Committee (MCAC) or to reach out to Mayor and City Council.

Priority #1 - Etobicoke Creek

Etobicoke Creek off-road trail is currently a series of paved and unpaved multi-use paths running north-south from Eglinton Ave. to Dixie Road. The route is selected within the Cycling Master Plan to become a primary cycling route. A primary cycling route is planned to function as the skeleton of Mississauga's cycling network, connecting areas of high interest and to provide efficient routes for commuters. This 11-km section of the Etobicoke Creek Trail is currently under construction, having started in late July 2017 and expecting to be complete by fall 2017. The construction is to widen parts of the trail, update wayfinding signage, add rest areas, and to pave existing unpaved surfaces. This will make Etobicoke Creek a crucial north-south arterial route for employees which will connect the Mississauga Transitway. However, a portion of the Etobicoke Creek Trail will be closed at Highway 401 due to a construction project until December 2019.

The Etobicoke Creek North Trail, which is the portion of trail running south of Eglinton Ave., is also under construction which began in July 2017 and expected to finish in April of 2018. This 1.1 km paved trail will connect Eglington Ave. to Centennial Park Blvd., which will further connect cycling infrastructure to Rathburn Rd. in the City of Toronto.



Priority #2 - Courtneypark

As Pratt & Whitney is located on Courtneypark Drive, it is a critical east-west route for not just cyclists, but all modes of transportation in the commercial/industrial area. Therefore, the route is outlined as a primary cycling route. Due to heavy truck traffic, the route is planned to be fully separated along the 7.7 km stretch in the form of an off-road trail or as a boulevard. Currently, the development is set to go ahead for proposed construction for 2017-2018, with funds being allocated for the infrastructure project. This project will be the primary east-west arterial route for cyclist that will connect Pratt & Whitney Canada Corp. to future proposed cycling projects such as Tomken Rd., Kennedy Rd., and Hurontario St., while providing safe crossing over Highway 410.

Priority #3 - Eglinton Ave W.

A second critical east-west arterial road for Pratt & Whitney is Eginton Ave. West. This primary proposed route for Mississauga's cycling network provides a direct connection to the City of Toronto and access to higher order public transportation infrastructure, which is desirable for multi-modal trips. This 17.8 km corridor stretch will connect from Ninth Line in the west to Etobicoke Creek and Renforth Dr. in the east via a physically separated off road path or boulevard trail.

Currently, a 3.5 km stretch of paved multi-use path has been completed between Renforth Dr. and Eastgate Pkwy., which will open in Fall 2017 following the opening of the Renforth Transitway Station. However, the rest of the proposed Eglinton Ave. route will come under review in March 2018.

Priority #4 - Derry Road East

The last critical east-west arterial road for Pratt & Whitney is a primary proposed cycling route on Derry Road East which will also connect Ninth Line in the west and Highway 427 in the east. If built, this 21.9 km route will allow cyclists to efficiently reach northern parts of the city and have direct access into Malton with a potential connection to Malton GO. The route is planned to incorporate existing infrastructure and to be connected with a series of physically separated paved multi-use paths, bike lanes, and off-road trails. This route will also come under review in March 2018, but scheduling of this Regional Road is part of the Region of Peel's Transportation Strategy and will likely move ahead.



Priority #5 - Tomken Road

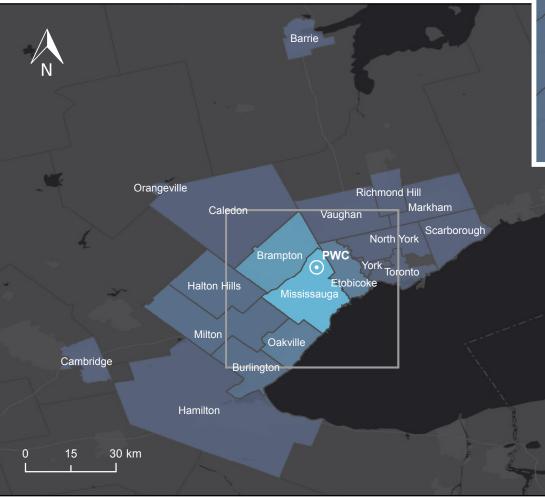
Tomken Road will also serve as a critical north-south artery for Pratt & Whitney Canada Corp. If built, the 11-km primary proposed cycling route is planned to run from the border of the City of Brampton in the north to Dundas St. in the south. The route will comprise of existing bike lanes and the construction of physically separated multi-use paths and boulevards. This project and route is to go under review in March 2018.

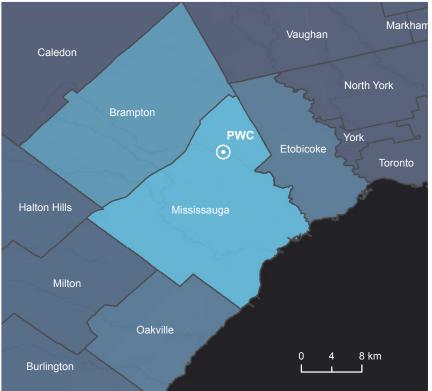


SustainMobility 202-4080 Confederation Parkway Mississauga, ON, L5B OG1 P: 905-813-2171 www.sustainmobility.ca

Employee Density & Distribution

The Commuter Shed Analysis below shows a high-resolution density map which illustrates a detailed evaluation of the residential areas Pratt & Whitney employees are commuting from, and highlights areas where high concentrations of employees reside. This information allows Pratt & Whitney to efficiently target clusters of employees who fit the criteria for various sustainable transportation options and help determine which sustainable travel modes would be most practical to promote to employees.





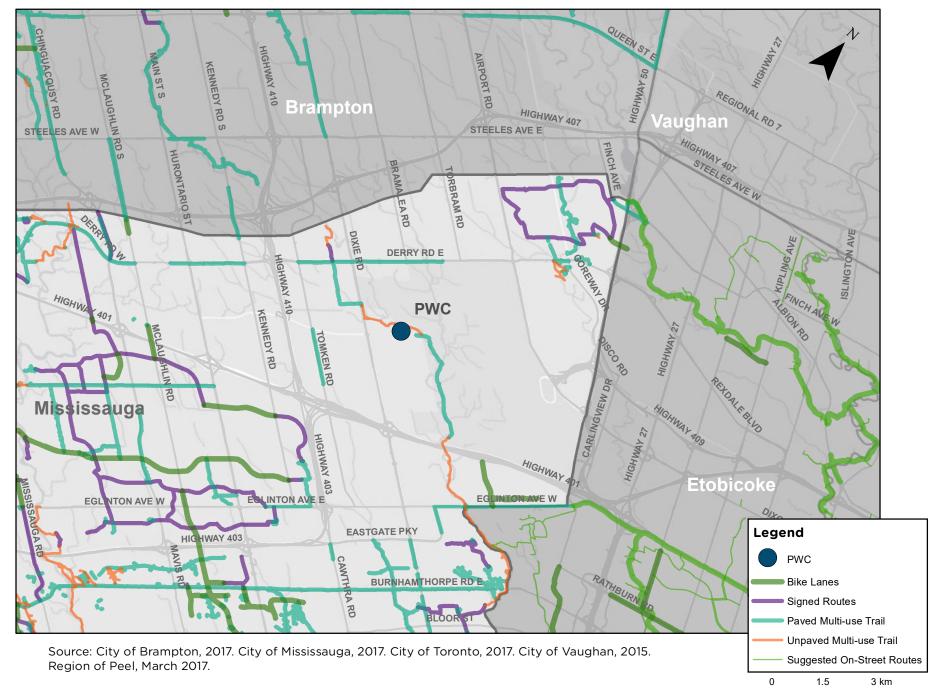
| Legend | |
|---------------------|--|
| Number of Empolyees | |
| 0 | |
| < 20 | |
| 21-40 | |
| 41-60 | |
| 61-80 | |
| 81-100 | |
| 101-180 | |
| 181-200 | |

Source: Pratt & Whitney, 2017. Statistics Canada, 2016.



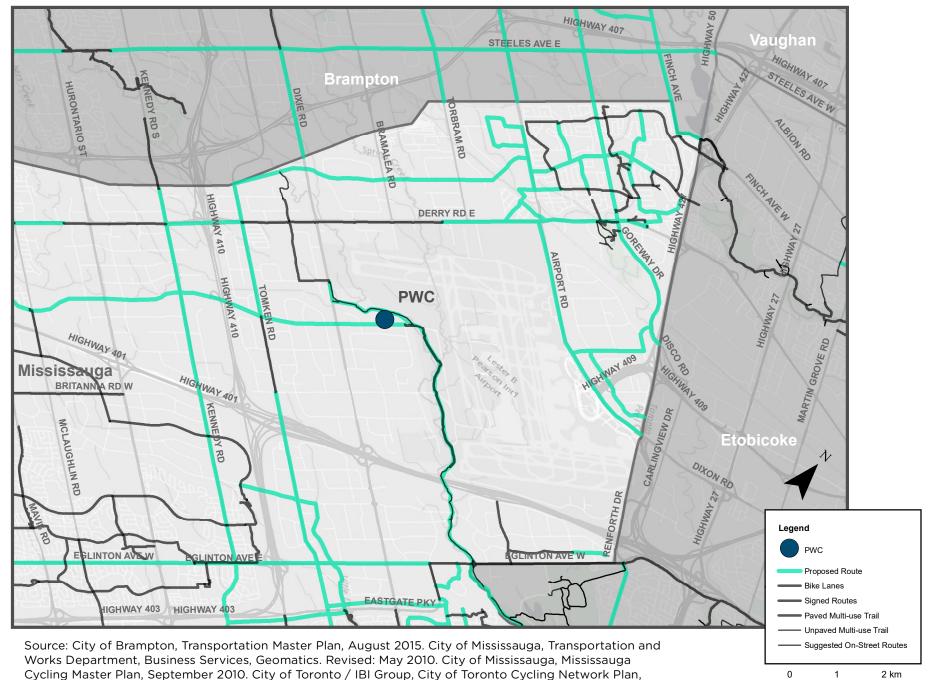


Pratt & Whitney Canada Existing Cycling Infrastructure





Pratt & Whitney Canada Proposed Cycling Infrastructure



April 2016. City of Vaughan, Transportation Master Plan, November 2012.



Pratt & Whitney Canada Priority Cycling Infrastructure

