Revisions/Updates to Published Agenda
(as of February 26, 2020)

Wednesday, February 26, 2020
7:00 p.m. – Special Meeting
Council Chambers – 4th Floor

Members:
Mayor P. Brown
Regional Councillor P. Vicente – Wards 1 and 5
Regional Councillor R. Santos – Wards 1 and 5
Regional Councillor M. Palleschi – Wards 2 and 6
Regional Councillor M. Medeiros – Wards 3 and 4 (Acting Mayor – April)
Regional Councillor P. Fortini – Wards 7 and 8 (Acting Mayor – March)
Regional Councillor G. Dhillon – Wards 9 and 10 (Acting Mayor – February)
City Councillor D. Whillans – Wards 2 and 6
City Councillor J. Bowman – Wards 3 and 4
City Councillor C. Williams – Wards 7 and 8
City Councillor H. Singh – Wards 9 and 10

For inquiries about this agenda, or to make arrangements for accessibility accommodations for persons attending (some advance notice may be required), please contact:
Terri Brenton, Legislative Coordinator, Telephone 905.874.2106, TTY 905.874.2130
cityclerksoffice@brampton.ca

Note: Meeting information is also available in alternate formats upon request.
1. **Approval of the Agenda**

2. **Declarations of Interest under the Municipal Conflict of Interest Act**

3. **Delegations**

   3.1. Delegations re: **2020-2022 Operating and Capital Budget Approval**:

   1. Richard Antonio, Chair, Peel Health Coalition
   2. Mark Sebamaalai, Brampton resident
   3. Jotvinder Sodhi, Home Owner Welfare Association (HOWA)
   4. Sylvia Roberts, Brampton resident
   5. Dipak Patel, Brampton resident

4. **Reports**

   4.1. **2020 Operating and Capital Budget Technical Recommendations**

   Note: To be distributed prior to the meeting

5. **Committee Reports**

   5.1. **Recommendations – Budget Committee – February 18, 19, 20, 24 and 25, 2020**

   (Chair – Mayor Brown)

   *Published on the City’s web portal on February 26, 2020*

6. **Correspondence**

7. **Public Question Period**

8. **By-laws**

9. **Confirming By-law**

   9.1. To confirm the proceedings of Council at its Special Meeting held on February 26, 2020
10. **Adjournment**

Next Meetings:  
Wednesday, March 11, 2020 – 9:30 a.m.  
Wednesday, April 1, 2020 – 9:30 a.m.
Wednesday, February 26, 2020  
7:00 p.m. – Special Meeting  
Council Chambers – 4th Floor

**Members:**  
Mayor P. Brown  
Regional Councillor P. Vicente – Wards 1 and 5  
Regional Councillor R. Santos – Wards 1 and 5  
Regional Councillor M. Palleschi – Wards 2 and 6  
Regional Councillor M. Medeiros – Wards 3 and 4 (Acting Mayor – April)  
Regional Councillor P. Fortini – Wards 7 and 8 (Acting Mayor – March)  
Regional Councillor G. Dhillon – Wards 9 and 10 (Acting Mayor – February)  
City Councillor D. Whillans – Wards 2 and 6  
City Councillor J. Bowman – Wards 3 and 4  
City Councillor C. Williams – Wards 7 and 8  
City Councillor H. Singh – Wards 9 and 10

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       Note: To be distributed prior to the meeting

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       (Chair – Mayor Brown)
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Attention: City Clerk’s Office, City of Brampton, 2 Wellington Street West, Brampton ON L6Y 4R2
Email: cityclerksoffice@brampton.ca Telephone: (905) 874-2100 Fax: (905) 874-2119

Meeting:  
- [ ] City Council
- [ ] Committee of Council
- [ ] Planning and Development Committee
- [ ] Other Committee:

Meeting Date Requested:  
26 Feb 2020: Agenda Item (If applicable):

Name of Individual(s):  
RICHARD ANTONIO, ROSEMARY KEENAN, RODRIGO BRIDGE, STAN TAYLOR, BETTY DAVIS

Position/Title:  
CHAIR AND PHC MEMBERS

Organization/Person being represented:  
PEEL HEALTH COALITION (PHC)

Full Address for Contact:  
Telephone:
Email: peelhealthcoalition@gmail.com

Subject Matter to be Discussed:  
BUDGET AS IT RELATES TO HEALTHCARE

Action Requested:  
APPROVE MOTION THAT HAS BEEN APPROVED BY SO OTHER MUNICIPALITIES TILL DATE - REF ATTACHED LIST. MOTION TO STOP FURTHER HEALTHCARE CUTS PLANNED/SLATED FOR 2020 AND REVERSE ALL CUTS BY PRO violently

A formal presentation will accompany my delegation:  
☑ Yes ☐ No

Presentation format:  
☑ PowerPoint File (.ppt) ☐ Adobe File or equivalent (.pdf) ☐ Video File (.avi, .mpg) ☐ Other:

Additional printed information/materials will be distributed with my delegation:  
☐ Yes ☐ No ☐ Attached

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Briefing Note/Speaker’s Notes
Municipal Council Resolution
October 2019

The following can serve as either speakers’ notes for local residents who are making deputations to support our Municipal Council Resolution or as a briefing note for Councillors/Mayors who are speaking to it.

Approximately 10 minutes

Introduction
Thank you for giving me the opportunity to present to you today. My name is xxx and I am the co-chair of the xxx Health Coalition. We are a grassroots organization with more than half-a-million members across Ontario and xxx members locally. We are non-partisan and we do not tell people how to vote or endorse any political parties. Our mandate is to protect and improve our public health care system for all and we advocate to protect services as public and non-profit and to protect local accessible services on the principles that underlie our public health care system in Canada, principles of compassion and equity.

I would like to address the planned provincial cuts and closures of public health care services. These changes will lead to the province offloading more of the cost of health care services onto every municipality in Ontario, including our municipality. They also mean cuts to services for which the evidence is overwhelming that capacity is already far short of population need. The cuts and closures are unnecessary, will lead to new costs, will take money away from care and will put the quality and accessibility of public health care services at risk.

We are asking municipalities across the province to pass a motion that calls upon the Ontario government to halt the closures, mergers, and cuts to local health care services that our communities have spent almost a century or more building.

Public Health Units provide the most vital health promotion and disease prevention functions that we have in our health care system. There is no evidence to support cutting them. It is critical that these services remain local because the demographics and needs are unique. Local governance means that public health units have the flexibility to address the specific unique local demographic, socio-economic, environmental and cultural needs of their communities.

In its initial plan, the government of Ontario was planning to cut provincial funding to Public Health by 27 percent and to close of 25 of 35 local Public Health Units, merging them down to 10. After significant pushback, the province has cancelled the retroactively of the funding cuts and has reduced the amount of the cut. These are steps in the right direction. But there is no evidence to support any provincial funding cut to Public Health and this is something that can be won. Amalgamating and cutting funding to Public Health Units will jeopardize vital local services including food and water safety, infectious disease tracking and prevention, immunizations, prenatal training and safety, student
breakfast programs, overdose prevention, safe needle and biohazard programs, and much much more. Opposition to these cuts exists across partisan political lines and there is a deep consensus that Public Health Unit functions must be protected. We are sure you see the importance of these services and we hope that you will help to send our clear message to the provincial government, asking them to reconsider. Already hundreds of emergency department doctors, and hundreds of nurses and health professionals are organizing to write open joint letters to the Premier asking him to stop the cuts and restructuring and stating that these changes will place hospitals under more stress, intensifying overcrowding and the hallway medicine crisis that our province is facing.

**Ambulance/paramedical services:** The provincial government is also planning to close 49 of 59 local paramedic units and 12 of 22 local dispatch centres. The Ontario Paramedics Association has put out an official response expressing their disappointment and grave concern regarding these plans. The centralization of local paramedic units will mean longer travel distances, longer wait times, centralized triage and the centralization of resources over time.

[*To say in rural and northern communities only:* Rural and northern communities such as our own, already suffering from a shortage of services, will be especially hard-hit as dispatch services and the governance of ambulance services would move further away. *To say in larger cities:* Larger hospitals have been required to take more and more patients from surrounding areas as their local services have been cut or closed. Today, there are frequent “code zeroes” across Ontario’s larger cities in which there is one or fewer ambulances available because all others are caught in offload delays at hospitals that cannot keep up with population need.*]

Furthermore, centralizing dispatch centres moves them further away from local communities and may lead to miscommunications regarding directions to be taken by ambulances and dispatchers who have no familiarity with the giant territory to which they would be required to dispatch. Dispatchers tell us that they receive calls from children saying “I’m in the house past the Walmart” or the like, and it makes a huge difference if dispatchers understand the territory to which they are dispatching. In Alberta, when they tried to centralize land ambulance services, complaints of long delays and mistakes and miscommunication in dispatch skyrocketed.

The big issue for paramedic services today is the duration and frequency of offload delays in which paramedics get stuck in emergency departments waiting for hours to transfer patients because the emergency departments are full. This is because the hospitals are full and patients are backlogged into the hallways waiting for a bed to become open. The centralization of paramedical services will cost likely millions in restructuring costs, taking money away from care, worsening wait times and dispatch problems, and doing nothing to address the most pressing problems faced by paramedical services. There is no evidence to support another round of centralization of ambulance and paramedic services and we hope that you will join in sending a message to the province that the people of Ontario want to protect our local governance of these most vital services.

Previous large-scale restructuring in Ontario undertaken by the Mike Harris government involved province-wide hospital restructuring, including hospital mergers and closures of dozens of local hospitals. It ultimately did not reduce administrative costs as was promised. In fact, it cost $3.9 billion, according to the Provincial Auditor. That is, it cost $3.9 billion in restructuring costs for mergers, according to the Provincial Auditor General, to cut $800 million from public hospitals. These were costs to sever staff from one place then rehire them in another, costs to rejig computer
systems and telephone systems and so on in the amalgamated entities, costs for new letterhead and logos, costs for consultants and restructurers, costs for PR, costs for moving, and the list goes on. The evidence is indisputable that those costs were lost to health care and were never recouped. This is not the fault of any particular government. It was an ideology that was tried in various forms across Canada. But we have the data now, we have the results, and they are very clear. Amalgamations cost millions or billions of dollars and the evidence simply is not there that they ever recoup those costs. Moreover, the results are often years of organizational turmoil and serious service impacts. The Canadian Institute for Health Sciences Research Foundation concluded its study of health care amalgamations in Canada by saying:

“...the urge to merge is an astounding, run-away phenomenon given the weak research base to support it, and those who champion mergers should be called upon to prove their case.”

**Long Term Care:** As of 2020, the provincial government will be cancelling two special funds for long-term care: the High Wage Transition Fund and the Structural Compliance Fund. This amounts to a $34 million dollar cut in today’s dollars, and impacts a number of municipalities significantly. The High Wage Transition Fund in particular targets municipally run long-term care homes. This cancellation will require either increases in local (municipal) funding and/or adverse effects on the quality and quantity of care provided in these homes.

Aside from the cancellation of these two special funds, funding for daily care in long-term care homes is set to increase by only 1 percent which is approximately half the rate of inflation, meaning real dollar cuts. Yet the evidence is overwhelming that current funding and care levels are insufficient to meet the acuity – that is the complexity and heaviness – of the care needs of the residents already. Long-term care cannot take cuts. The Ontario Health Coalition recently pulled together the most recent data on Ontario’s long-term care residents. What they found:

- The resident-on-resident homicide rate in Ontario’s long-term care homes is higher than that of any city in the country. In many instances, elderly residents with dementia are both the perpetrators and the victims. Ontario’s Chief Coroner has highlighted the unacceptable rates of homicide in our long-term care homes repeatedly.

- The acuity of residents has increased dramatically. Ontario has cut hospitals to an extent that is unheard of in Canada and among our international peers. We have the fewest hospital beds per population left of any province and among all OECD countries, only Turkey and Chile have fewer hospital beds per capita. We also have the second fewest number of long-term care beds per population. This means that those people who get into long-term care beds are often hospital patients in other jurisdictions, often psychogeriatric patients, chronic care patients and patients with mental health and behavioural needs that are beyond the scope of the homes’ staff to take care of. Overall, resident care needs are very high by every possible measure.

- Yet the actual hands-on care levels in long-term care homes are decreasing, according to provincial government data. Wait lists for long-term care are extraordinary.

- All of this culminates in extraordinary resident-on-resident levels of violence as well as extremely high accident and injury rates for the staff.
The evidence shows irrefutably that levels of care in long-term care are insufficient to be safe, given the complexity of the care needs among Ontario’s approximately 80,000 long-term care residents. Homes need to be properly resourced to improve care levels, they cannot safely sustain real-dollar cuts.

**Local Public Hospitals:** Funding for local hospitals’ operating budgets is also set at less than the rate of inflation, let alone population growth and aging. This means real-dollar cuts to operational funding. It means service levels will not keep up with population needs. The Ontario Health Coalition has pulled together the government data on hospital capacity and has found the following:

- By every reasonable measure, Ontario funds its public hospitals at the lowest rate in Canada. (Per capita, as proportion of provincial GDP)
- As a result, capacity has been cut dramatically. Ontario now has the fewest hospital beds per capita of any province in the country. When compared to OECD nations, all our peer countries have almost double or more hospital beds per person. The only countries with fewer hospital beds than Ontario are Turkey and Chile.
- Ontario has the fewest nurses per weighted case (that is, per average patient) of any province in Canada.
- Ontario has the highest readmission rates (that is 30-day readmission in hospitals due to complications) of any province in Canada.
- Ontario has the highest rates of overcrowding that we could find in any jurisdiction.

More cuts mean more services & staff cuts, less services, more centralization of services and the problems with access to care that this causes, including longer waits, and worse health outcomes.

**Conclusion**

The provincial government is hearing the grave concerns raised across Ontario about these cuts and closures. They have begun to respond. They have rolled back a proportion of the Public Health cuts and cancelled their retroactivity. They have twice delayed the elimination of the two special funds for long-term care. They have promised to consult on the paramedical service restructuring and the public health restructuring. These are steps in the right direction. But they do not resolve the problems. We are planning major stadium events across Ontario in which we will fill four stadiums across the province (or similar type venues) to make visible the broad public support to save these services and stop the cuts and closures. We are asking this municipality to support these efforts by coming out to the event at xxxx and by passing the municipal council resolution to save our local health care services. In so doing, you will be joining with municipal councils across Ontario. Thank you.
Sample Municipal Council Resolution to Save Local Health Care Services

WHEREAS public health care consistently ranks as the top priority in public opinion polls, and;

WHEREAS Public Health provides vital health promotion and prevention services based on the unique demographic and economic, social, and cultural needs of our communities, and;

WHEREAS the evidence from hospital amalgamation in Ontario and across Canada is that they have cost billions of dollars and have not yielded the promised administrative savings but have taken money away from frontline care, and;

WHEREAS there is no evidence to support the proposed closure of 25 out of 35 local Public Health Units, the closure of 12 of 22 local ambulance dispatch centres, and the closure of 49 out of 59 local ambulance services, and;

WHEREAS there is a deep consensus among virtually all stakeholders that increasing acuity in our long-term care homes requires additional staff and resources, not cancellation of the two special funds and real dollar cuts to per diem funding of our long-term care homes, and;

WHEREAS our local hospitals have been downsized for an entire generation and cannot meet population needs while sustaining real dollar cuts to hospital global budgets.

THEREFORE BE IT RESOLVED:

The municipality of xxx calls upon the Ontario government to halt the closures of, mergers of, and cuts to our local health care services including Public Health Units, land ambulance services, hospitals and long-term care homes.
### Municipalities that have passed the resolution from the Ontario Health Coalition

As of February 25th:

1. Amherstburg, Town of
2. Atikokan, Town of
3. Baldwin, Township of
4. Belleville, City of
5. Billings, Township of
6. Blind River, Town of
7. Bluewater, Municipality of
8. Brooke-Alvinston, Municipality of
9. Bruce Mines, Town of
10. Central Elgin, Municipality of
11. Clarington, Municipality of
12. Conmee, Township of
13. Dawn-Euphemia, Township of
14. Dorion, Township of
15. Dubreuilville, Township of
16. Enniskillen, Township of
17. Essex, County of
18. Essex, Town of
19. Faraday, Township of
20. Gillies, Township of
21. Huron East, Municipality of
22. Ingersoll, Town of
23. Kingston, City of
24. Kingsville, Town of
25. La Vallee, Township of
26. Lakeshore, Town of
27. Lambton Shores, Municipality of
28. Lambton, County of
29. LaSalle, Town of
30. Leamington, Municipality of
31. London, City of
32. Macdonald, Meredith and Aberdeen Additional, Township of
33. Manitouwadge, Township of
34. McKellar, Township of
35. McNab/Braeside, Township of
36. North Middlesex, Municipality of
37. O’Connor, Township of
38. Oil Springs, Village of
39. Petrolia, Town of
40. Plympton-Wyoming, Town of
41. Point Edward, Village of
42. Prince, Township of
43. Quinte West, City of
44. Sarnia, City of
45. Schreiber, Township of
46. Shundiah, Municipality of
47. Spanish, Town of
48. St. Clair, Township of
49. Tecumseh, Town of
50. Terrace Bay, Township of
51. Thessalon, Town of
52. Toronto, City of
53. Tudor and Cashel, Township of
54. Warwick, Township of
55. Wawa, Municipality of
56. Wollaston, Township of
57. Woodstock, City of
**Delegation Request**

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**Meeting:**  
- City Council  
- Planning and Development Committee  
- Committee of Council  
- Other Committee:  

**Meeting Date Requested:** 2020 February 26th  
**Agenda Item (if applicable):**

**Name of Individual(s):** Mark Sebamaalai

**Position/Title:** Resident

**Organization/Person being represented:**

**Full Address for Contact:**

**Telephone:**

**Email:**

**Subject Matter to be Discussed:** Transit Budget

**Action Requested:** Fund Transit Improvements

A formal presentation will accompany my delegation:  
- Yes  
- No

Presentation format:  
- PowerPoint File (.ppt)  
- Adobe File or equivalent (.pdf)  
- Picture File (.jpg)  
- Video File (.avi, .mpg)  
- Other:

Additional printed information/materials will be distributed with my delegation:  
- Yes  
- No  
- Attached

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Respected Mayor Patrick Brown & Councillor Harkirat Singh

We request to read this letter to share with entire council in the budget meeting and add to the budget agenda.

Best Regards,
Jotvinder Sodhi

The Home Owner Welfare Association (HOWA) has been working on consumer rights on all levels of government along with Tarion and builder issues since 2014. This is a grassroots organization which advocates for new economic development, safe community, protecting consumer rights and for infrastructure growth to name a few.

A growing, concerning mandate is public safety and community involvement.
In the past years volunteers have been delegating to the Region of Peel, City of Brampton on these public safety initiatives.

HOWA along with other associations and groups conducted seminars and Town hall meetings to highlight these initiatives. We invited the Peel Regional Police for their awareness on public safety.

We have been working on a safe place program for Brampton for years. We want all Brampton residents to participate and feel safe within their own city. HOWA has many suggestions on how to do this which would include private fundraising and the City of Brampton matching the contribution to protect all residents of our city.

These are a few of the initiatives which we have been working on and we would like to continue to do so. Members of HOWA would like to present our ideas and suggestions to the city/region in the hopes of growing awareness of our actionables to make Brampton a better, safer place to live. HOWA would like to expand our presence within the peel region in order to encourage residents of the community to work along with us.

Thank you.
Jotvinder Sodhi
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Meeting: [✓] City Council [☐] Committee of Council [☐] Planning and Development Committee [☐] Other Committee:

Meeting Date Requested: 2020 February 26th Agenda Item (if applicable):

Name of Individual(s): Sylvia Roberts
Position/Title: Resident
Organization/Person being represented:

Full Address for Contact: Telephone:
Email:

Subject Matter to be Discussed: Transit Budget

Action Requested: Fund Transit Option as presented in the budget options

A formal presentation will accompany my delegation: [✓] Yes [☐] No
Presentation format: [☐] PowerPoint File (.ppt) [✓] Adobe File or equivalent (.pdf) [☐] Picture File (.jpg) [☐] Video File (.avi, .mpg) [☐] Other:

Additional printed information/materials will be distributed with my delegation: [☐] Yes [☐] No [☐] Attached

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2018-2022 Business Plan

- **2018**: 28.4m riders, 617k passengers
- **2019**: 29.7m riders, 632k passengers
- **2020**: 31.0m riders, 646k passengers
- **2021**: 32.3m riders, 661k passengers
- **2022**: 33.8m riders, 676k passengers
Planned Service hours for 2020

Figure 4: Fare Scenario 1 and 2 – Brampton Transit Annual Service Hour Improvements
PERCENTAGE GROWTH IN POPULATION, RIDERSHIP, SERVICE HOURS AND STAFF SINCE 2009
3.1-4-6
Delegation Request

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Meeting: 

- [ ] City Council
- [ ] Committee of Council
- [ ] Planning and Development Committee
- [ ] Other Committee:

Meeting Date Requested: 26 feb 2020 
Agenda Item (if applicable): City Budgeting

Name of Individual(s): Dipak Patel

Position/Title:

Organization/Person being represented:

Full Address for Contact: Telephone:
Email:

Subject Matter to be Discussed: City Budgeting/Smart Building/Energy Saving

Action Requested:

A formal presentation will accompany my delegation:  
- [ ] Yes  
- [ ] No

Presentation format:  
- [ ] PowerPoint File (.ppt)
- [ ] Adobe File or equivalent (.pdf)
- [ ] Picture File (.jpg)
- [ ] Video File (.avi, .mpg)
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Smart Building Controls (IOT)/Data Analytics/Energy Saving

Presented By:
Deep Patel (M.Eng.)
Smart Building Controls
Energy Consumption

• In fact, 50% of the energy consumed in a typical commercial building is wasted due to inefficient use, according to World Energy Outlook.

• HVAC and Lighting together represent up to 60% of the energy being consumed in a commercial office.

• A typical HVAC unit consumes 1KW of power per ton of cooling.

• It’s impossible to manage what you don’t measure.
BAS/EMS pattern - Limitation

- An EMS provides users with the ability to monitor, control and measure their buildings’ energy loads.
- They centrally control devices like HVAC units and lighting systems across multiple locations, making them useful for building and facility managers who oversee multiple spaces.
- An EMS was once a great tool for consolidating information and reviewing energy usage trends, while comparing them across multiple sites.
- An EMS is a very lightweight version of an automation system.
- That is to say that an EMS knows the address of your building, but does not know its orientation, building usage pattern, or local weather.
Technology exists today that allows us to build predictive and proactive systems that make buildings more energy efficient.

A predictive solution that leverages cloud based algorithms can log hundreds of variables every minute!

With the ability to take in hundreds of data points, a predictive solution has the ability to consider factors like weather forecast, building orientation, positioning of the sun, humidity, air quality and mean radiant temperature to deliver comfort, all the while saving energy.

An algorithms that can model the thermal envelope and air quality of your building, before sending out the optimal strategy to achieve the perfect balance.
Examples
Examples

3.1-5-7

BEFORE

AFTER
Smart Building Control

Architecture

Visualytik: HTML5 Drag & Drop Visualization Engine

Inputs
Components
Outputs
Sedona Framework

Real-time Controls Framework

World of IOT Data
Smart Building Products

- 75F® Smart Node™
- 75F® Central Control Unit™ (CCU)
Smart Building Products

BASpi – 12-point BACnet/IP Sedona Expansion Board
Smart Building Products

E³AC.io™ - Edge Energy Economic Analytics Controller

When people say that we are living in the post-PC era they mean that the personal computer is being eclipsed as the center of the IT universe by the smartphone. Operations technology is experiencing a similar reordering. In this new era of the Internet of Things (IoT), compute resources equivalent to a PC or smartphone are being integrated into all sorts of equipment and devices. For commercial buildings, a new category of IoT device is emerging—the Energy Analytics Controller (EAC). Smart building applications development should revolve around the enormous possibilities of these edge devices.
SkySpark® Analytics automatically analyzes building, energy and equipment data to identify issues, faults, deviations and correlations, all of which are opportunities for improved performance and operational savings.

https://www.youtube.com/watch?v=dt0HU3CmA2A
Sky Spark Application

- SkySpark can be applied to virtually all types of data.
  - Building Automation
  - Energy Management
  - Industrial Automation
  - Data Centers
  - Maintenance Repair Operations (MRO)
  - Monitoring-based Commissioning
  - Smart Services/Asset Management
  - Smart Homes
  - Telecommunications Infrastructure
  - Agriculture
Real world examples of Data Analytics

- Simultaneous heating and cooling in a single unit or across groups of units
- Short cycling of equipment
- Lack of diversity control resulting in higher than necessary electrical demand
- Energy Performance Analysis – Deviation of energy intensity (kw/sq ft/degree day) from benchmarks, baselines, or goals, along with time of occurrence, duration and cost
- Predictive Fault Detection – Detecting degradation of cooling or heating performance (i.e., unit runs but does not deliver expected cooling/heating)
- Economizers open while heating or cooling
- Non-functioning sensors (temp, kw, etc)
- Lights or other loads operating when they shouldn’t
- Setpoints overridden and not changing with schedules as expected
Understand, Prioritize and Budget

• SkySpark provides direct calculation of the costs of equipment faults, energy performance deviations, and other operational issues.

• SkySpark will automatically calculate costs by the minute, hour, day, week, month, year, or any time period. And you can set thresholds to generate spark notifications only when costs exceed certain limits. That’s the power of operational analytics.
Energy Consumption with Weather Data, Equipment Operation

- normalize energy consumption for weather data and facility size and other conditions unique to the applications.
- SkySpark’s built-in weather service provides continually updating weather data, a 3-day forecast (for predictive results) and past weather data going back multiple years.
- Combine weather forecast data and past performance to predict future conditions using SkySpark’s Machine Learning tools.
KW demand with Equipment
Automated Operational Analytics Provides Monitoring-Based Commissioning (MBCx)

• Commissioning is the process of analyzing equipment system performance to identify operational inefficiencies and deviations from optimum performance.

• SkySpark rules to automatically monitor results on an ongoing basis detecting any reoccurrence of the issues that were identified during the commissioning process.

• The result is continuous, automated monitoring of your systems, providing true Monitoring Based Commissioning.
Skyspark - Features

KPI App
Automatically calculates key performance indicators and presents them in “candle charts” for easy comparisons.
Skyspark - Features

Energy App
Provides a comprehensive suite for analysis of energy resources including electrical demand, consumption, cost, as well as water and gas usage. The unique Operations view automatically aligns energy usage data with equipment operational status showing you exactly how your equipment systems are affecting energy use.
Skyspark - Features

Equip App
Allows for easy navigation through the data associated with equipment systems without having to create graphics of equipment systems.
Skyspark - Features

Any View Can Be A Report

All of the SkySpark® Apps allow you to turn any view into a report in a variety of formats, including PDF, or export the view for use in your favorite desktop word processing or publishing tools in formats including SVG, PNG, HTML, Excel and more.
Services

• Turn key Smart Building Solution for New Construction and Retrofit projects
• Smart control application for Energy management/Savings.
• Smart devices selection, control and integrate for data analytics.
• Solution for Data analytics platform for any project from small to large projects.
Thank you
February 18, 19, 20, 24 and 25, 2020

1.

BC001-2020 That the agenda for the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be approved as amended to add the following:

4.7. Information Report – 2020 Proposed Operating and Capital Budgets – Pre-Budget Discussion

4.1/4.6/4.7

BC002-2020 1. That the presentation by D. Barrick, Chief Administrative Officer, and D. Sutton, Treasurer, Corporate Services, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: 2020-2022 Operating and Capital Budgets be received; and

2. That the following documents be received:
   - Consideration of Optional Investment and Efficiency Considerations (Item 4.6)
   - Information Report – 2020 Proposed Operating and Capital Budgets – Pre-Budget Discussion (Item 4.7)

        Carried

4.2.

BC003-2020 That the information report from Gary Milakovic, Forum Research Inc., to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: City of Brampton – Community Satisfaction Survey be received.

        Carried
4.3.

BC004-2020 That the information report and presentation from Alan Mitchell and Steve Batty, KPMG, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: Operational Service Review Consolidation – Business Improvement & Prioritization be received.

Carried

4.4.

BC005-2020 That the following departmental presentations to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: 2020-2022 Capital Budgets be received:
   a. Community Services
   b. Public Works and Engineering
   c. Transit
   d. Corporate Services

Carried

4.5.

BC006-2020 That the following departmental presentations to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: 2020-2022 Operating Budgets be received:
   a. Public Works and Engineering
   b. Fire and Emergency Services
   c. Transit
   d. Community Services
   e. Corporate Services
   f. Planning and Development Services

Carried

5.1.

BC007-2020 That the following delegations and related submissions, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: 2020-2022 Operating and Capital Budget Approval (including proposed 2020 Brampton Transit Fares, User and Licensing Fees) be received:
February 19, 2020
1. Kevin Montgomery, Brampton resident – Brampton as a Police Community Partner
2. Vinkal Desai, Brampton resident – Provision of Ping Pong Tables at Cassie Campbell Community Centre
3. Sylvia Roberts, Brampton resident – Purpose of Brampton Transit
4. Todd Letts, Chief Executive Officer, and Glenn Williams, Brampton Board of Trade – 2020 Budget
5. Mark Seba, Brampton Resident – Transit Investments

February 20, 2020
1. Terry Miller, President, CARP – 2020 Budget
2. Myrna Adams, President, Brampton Senior Citizens Council – 2020 Budget
3. Peter Howarth, Past President, CARP – 2020 Budget

February 24, 2020
1. Azad Goyat, Brampton resident – Property Tax Freeze
2. Dave Kapil, President, Kapil Holdings Inc. – 2020 Budget
3. Ravi Kanagasabey, Brampton resident – 2020 Budget
4. Jotvinder Sodhi, Brampton resident – 2020 Budget
5. Surjit Singh, Brampton resident – 2020 Budget
6. Sylvia Roberts, Brampton resident
   • Budget and demographics
   • Property Rates and other municipalities
7. Malcolm Hamilton, Brampton resident – Environmental considerations

Carried

6.1.

BC008-2020 1. That the presentation by Suzy Godefroy, Executive Director, and Kristina Romasco, Chair, Downtown Brampton BIA, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: Downtown Brampton Business Improvement Area (BIA) 2020 Operating Budget Request, be received;

2. That the 2020 Operating Budget submission for the Downtown Brampton BIA be approved, as presented.

Carried
6.2.

**BC009-2020**

1. That the presentation by Susan Bartoletta, Interim Chief Executive Officer, and Jaipaul Massey-Singh, Board Chair, Brampton Library Board, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: *Brampton Library 2020 Operating and Capital Budget Request* be received;

2. That the 2020 Operating Budget submission for the Brampton Library be approved, as presented;

3. That the 2020 Capital Budget submission for the Brampton Library be approved, as presented;

4. That the 2021 and 2022 Capital Budget submission for the Brampton Library be endorsed, in principle, as presented.

   Carried

7.1.

**BC010-2020**

1. That the report titled: *RM 11/2020 – Installation of a Brampton Sign for Tourism Promotion* to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be received, and;

2. That staff be requested to report in approximately one month on potential partnerships.

   Carried

7.2.

**BC011-2020**

That the report titled: *Amendment to Adult Entertainment Establishment By-law 114-2017 to Increase Licensing Fee* (R20/2020, BJX), to the Budget Committee Meeting of February 18-25, 2020, be referred back to staff for further investigation, including feedback from Peel Regional Police, Region of Peel, Brampton Community Safety, and the City of Hamilton, and future report thereon at the earliest opportunity.

   Carried
7.3.

1. That the report titled: **Business Licensing Fee Increases for 2020** (R428/2019, BJX) to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be received; and

2. That the business license fee changes, as set out in Appendix 3 to this report, and the corresponding by-law amendment as generally set out in Appendix 4 to this report, be approved, effective February 26, 2020.  

    Carried

7.4.

1. That the report titled: **2020 User Fees – Community Services, Corporate Services, Fire & Emergency Services, Economic Development & Culture, Public Works & Engineering, and, Planning & Development Services** to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be received; and

2. That the Community Services user fee charges proposed for 2020, as set out in Appendix 1 in this report, be approved; and

3. That the Corporate Services user fee charges proposed for 2020, as set out in Appendix 2 in this report, be approved; and

4. That the Fire and Emergency Services user fee charges proposed for 2020, as set out in Appendix 3 in this report, be approved; and

5. That the Economic Development and Culture user fee charges proposed for 2020, as set out in Appendix 4 in this report, be approved; and

6. That the Public Works and Engineering user fee changes proposed for 2020, as set out in Appendix 5 in this report be approved; and

7. That the Planning and Development Services user fee changes proposed for 2020, as set out in Appendix 6 in this report be approved; and

8. That the respective schedules to User Fee By-Law 380-2003, as amended, be further amended to include the approved fees for 2020

    Carried
7.5.

BC014-2020

1. That the report titled: Brampton Transit Fare Change (R34/2020, IB.C), to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be received; and

2. That Brampton Transit fares and related charges be approved and set, with an effective date of April 13, 2020, as detailed in Appendix B of this report; and

3. That Schedule G of the User Fee (Municipal Act) By-Law 380-2003, as amended be updated to reflect the approved 2020 Brampton Transit fares and related charges as detailed in Appendix B; and

4. That there be no increase to fares for the youth fee category (12-19 years) at this time.

Carried

7.6.

BC015-2020

That the presentation from Z. Majid, Senior Manager, Accounting Services and Deputy Treasurer, Corporate Services, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: Financial Assistance to the Downtown Brampton BIA (RM 15/2020) be received; and

Whereas properties purchased by the City that are within the geographic area comprising the Downtown Brampton Business Improvement Area and have no commercial tenants become tax-exempt; and

Whereas as a result of becoming tax-exempt, those properties no longer have the BIA levy applied to them.

Therefore be it resolved that on a go-forward basis:

The City absorbs the BIA levy impact for properties purchased by the City, that are within the geographic area comprising the Downtown, and have no commercial tenants thereby becoming tax-exempt;

The City tracks the total assessment value of properties within the geographic area comprising the Downtown and once this total assessment returns back to the 2018 assessment value (indexed) in future years, the City stops any further financial assistance to the BIA; and
City Staff track the actual BIA levy impact and report back to Council for approval as part of budget deliberations on an annual basis.

A recorded vote was requested and the motion carried, as follows:

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Carried
9 Yeas
1 Nays
1 Absent

8.1.

BC016-2020 That the report titled: **2019 Third Quarter Operating Budget and Reserve Report (R321/2019)**, to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, be received.

Carried

9.1.

BC017-2020 That the following correspondence to the Budget Committee Meeting of February 18, 19, 20, 24 and 25, 2020, re: **2020-2022 Operating and Capital Budgets** be received:

1. Louis Kdouh, Brampton resident, dated February 15, 2020
2. Ewa Milewska, Brampton resident, dated February 15, 2020
3. Donna Laevens-Van West, Brampton resident, dated February 16, 2020
4. Cindy Evans, Brampton resident, dated February 17, 2020
5. Peter Bolton, Brampton resident, dated February 18, 2020
6. Adele Rochon, Brampton resident, dated February 23, 2020

Carried
10.1.

BC018-2020 That the 2020 Operating Budget submissions be amended to incorporate the following:

1. That the number of grass cuttings be maintained at 12 per season rather than the proposed 10 cuts per season, at a value of $480,000;

   That cutting to fence lines be provided three times per season where practical, at an approximate value of $100,000; and

   That the park enhancement program be continued for the 2020 budget year at a value of $1.25 million, to be provided for a one-time allocation from reserves to be determined by staff.

2. That the savings related to energy efficiency retrofits and other energy efficiency related programs be allocated to a reserve account to be re-invested toward further energy efficiency related initiatives; and

   That a minimum of 25 per cent of the annual surplus also be allocated to this account.

3. Whereas through the Forum Community Research Program, residents mentioned that investments in commuting infrastructure, including transit, improves their quality of life;

   Whereas the City of Brampton has declared a climate emergency and improving transit services is a priority in responding to climate issues;

   Whereas the current transit operating budget does not provision for any additional service and does not account for any additional revenue through ridership growth;

   Whereas Pearson Airport is an important employment area for Brampton residents with more than 10,000 workers already choosing Pearson as a place of employment;

   Whereas Brampton Transit ridership growth in the last half of 2019 averaged 4.7 per cent per month and was over 15 per cent in January 2020;
Whereas, if strong ridership growth continues through 2020, Transit could expect to collect additional operating revenue of approximately $1.5 million;

Therefore be it resolved that:

1. The net Transit Operating Budget for 2020 be increased by $900,000, from surplus, to extend Züm transit service to Pearson Airport; and

2. The net Transit Operating Budget for 2020 be increased by $1.5 million to help address critical ridership needs, to be offset with additional base revenue growth of $1.5 million; and

3. Staff continue to monitor ridership increase through 2020 and should ridership growth not be realized, then adjust 2021 operating budget to reflect the change in demand.

4. Whereas the City has a current total reserve balance of approximately $480 million;

Whereas the City has approx. $300 million in deferred revenue;

Whereas reserve contributions in the 2020 proposed budget is $116 million which exceeds 2019 contributions by $34 million;

Therefore be it resolved:

That Council reduce the 2020 over 2019 increase to the reserves from $34 million to $29 million;

That staff make the necessary adjustments within the reserve funds to accommodate; and

This saves the City $5 million (or approximately 1 percent) from 2020 operating budget while still contributing more to reserves this year than last year.

5. That $2 million be removed from the 2020 budget as allocated for Core Data and Voice, and leaving approximately $1.85 million;

That the $35,000 be removed from the 2020 budget for the Communications Master Plan, and be shifted to 2021 in due course;
That the $40,000 allocated for the rebranding of the City be removed from the 2020 Communications budget; and

That staff be requested to investigate means of reducing the need for $700,000, and using natural materials, for a temporary parkette.

Carried

BC019-2020

That the 2020 Operating Budget submission for the Corporate Departments and Programs be approved, as amended in the recommendation above, except for:

a. the compensation portion of the Public Works and Engineering Department budget;

b. the compensation portion of the Enforcement and By-law Services Division of the Corporate Services Department budget;

c. the grant funding portion of the Economic Development and Culture Department budget

That the 2020 Operating Budget submission for the Corporate Departments and Programs, as it pertains specifically to the compensation portion of the Public Works and Engineering Department budget, be approved;

That the 2020 Operating Budget submission for the Corporate Departments and Programs, as it pertains specifically to the compensation portion of the Enforcement and By-law Services Division of the Corporate Services Department budget, be approved;

That the 2020 Operating Budget submission for the Corporate Departments and Programs, as it pertains specifically to the grant funding portion of the Economic Development and Culture Department budget, be approved;

That the 2020 Capital Budget submission for the Corporate Departments and Programs be approved, as presented; and

That the 2021 and 2022 Capital Budget submission for the Corporate Departments and Programs be endorsed, in principle, as presented.

Carried
Summary of Recommendations
Budget Committee

BC020-2020  That staff be requested to provide a recommendation to the Special Council Meeting for Budget, related to the creation of a position of environmental coordinator.

Carried

BC021-2020  That $21 million in External Debt related to the Fire Headquarters be substituted with excess capital funding returned, which will result in a $1.43 million (approximately 0.3 per cent) reduction in debt servicing costs to the taxpayer.

Carried

BC022-2020  That the Budget Committee do now adjourn to meet again at the call of the Chair.

Carried