Mackenzie Vaughan Hospital

Altaf Stationwala

President and CEO Mackenzie Health

March 2, 2017
Regional Municipality of York
Committee of the Whole Meeting









VISION

Create a world-class health experience

MISSION

Relentlessly improve care to create healthier communities

VALUES

Excellence, Leadership, Empathy

GUIDING PRINCIPLES

Teamwork, Accountability, Safety

CHARACTER

Professional, Friendly, Expert



Quick Facts



450+ Physicians



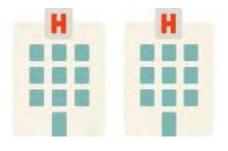
2,600+ Staff



1,000+ Volunteers



2,000+ new staff to be hired for 2020



2 Sites in 2020: Richmond Hill and Vaughan



Hospital Beds MRHH: **515**

MVH: +350



118,500 Emergency and Urgent Care Visits



243,441 Outpatient19,376 Admissions9,359 Surgeries



200,938+ Diagnostic Exams



2,305 Births

Our **Service** Model











Clinics



Chronic Kidney Disease |



Mental Health



Integrated Stroke











Physical Capacity:

515 beds



Complex

Continuing



Rehabilitation |

and





Mackenzie Hospital



Specialty



Emergency



Critical Care



Surgical



Medical

Clinical | Support





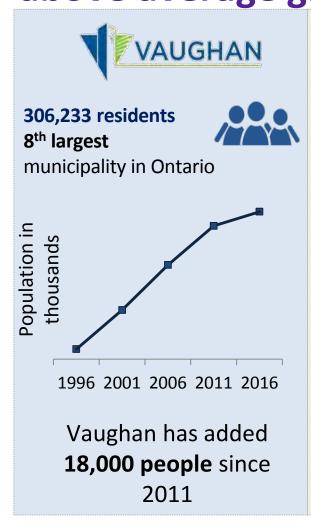


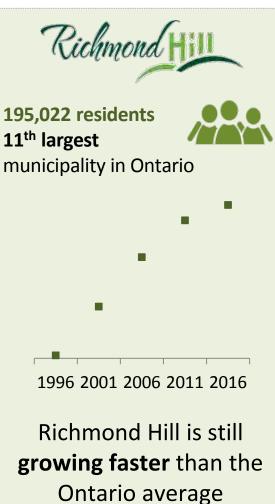
Physical Capacity: 350 beds Initial

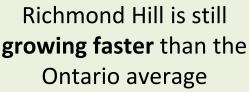
Future

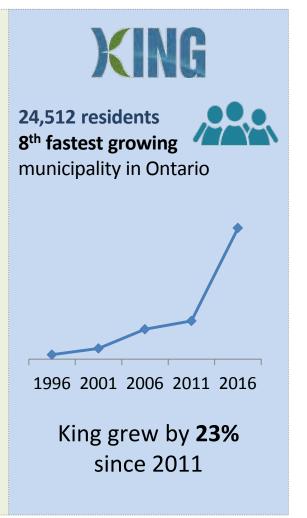
King City skyrockets while larger Vaughan and Richmond Hill maintain above average growth













Emergency Department Pressures

MRHH



2015/16

109,000 ED visits



MVH

MRHH





2020/21

134,000 ED visits

On any given day,
250 to 320 patients
are seen in the
Emergency Department

Each day,
45 to 70 ambulances
arrive at Mackenzie Health's
Emergency Department

Over the past four years we've experienced

38% growth
in ambulance traffic







Mackenzie Vaughan Hospital Project





Video Presentation



Architectural rendering reflects current design concepts. Exterior colors and finishes may change with final design.

Project Stages



Infrastructure Ontario - Phases

Pre-Transaction

- IO due diligence
- Procurement model

Transaction

- Transaction documents
- RFQ & RFP

Implementation

Design, construction, commissioning



Stage 1

Proposal & Business case

Stage 2

Functional Program

Stage 3

Output Specs & Blocks

Stage 4

Procurement

Stage 5

Design & documents Construction & commissioning 30 – year Operating Period

9

MOHLTC – Capital Planning Stages

Mackenzie Vaughan Hospital Groundbreaking



October 25, 2016



Planning the New Hospital





Architectural rendering reflects current design concepts. Exterior colors and finishes may change with final design.

Unprecedented Community Support for Future Health Care Development



 \$117M million for future hospital development from



 Land contribution for the future Mackenzie Vaughan Hospital from

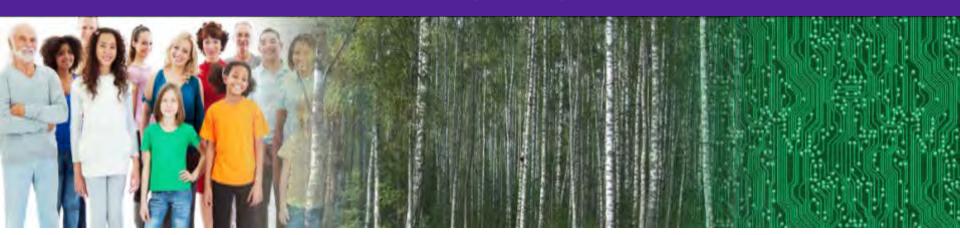


Strong donor support from



Plenary Health

Hafeez Habib Vice President, Project Delivery Plenary Group







Plenary Health and Partners

MISP COMPUG≅N





Design Build















Project Co



Plenary Health



Active Project Management



Finance











Projects In Operation









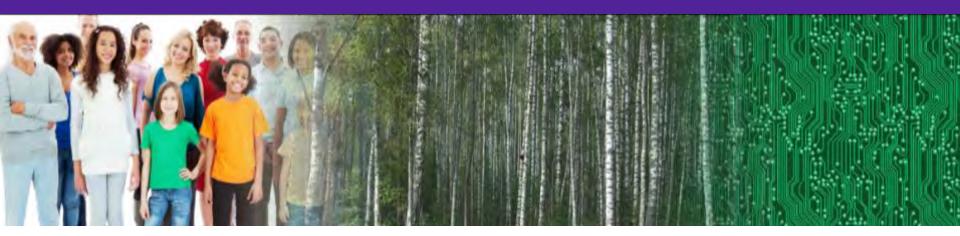




Principles and Site Utilization

Stuart Elgie

Senior Principal, Business Centre Sector Leader
Stantec Architecture

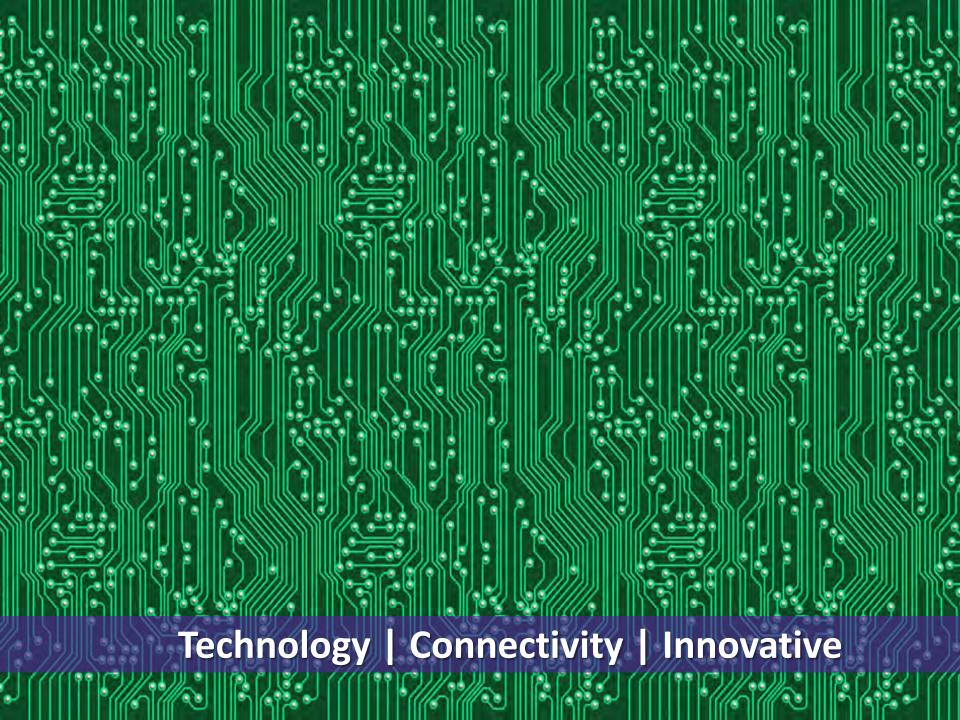






Humanize | Embrace Individuality | Independence





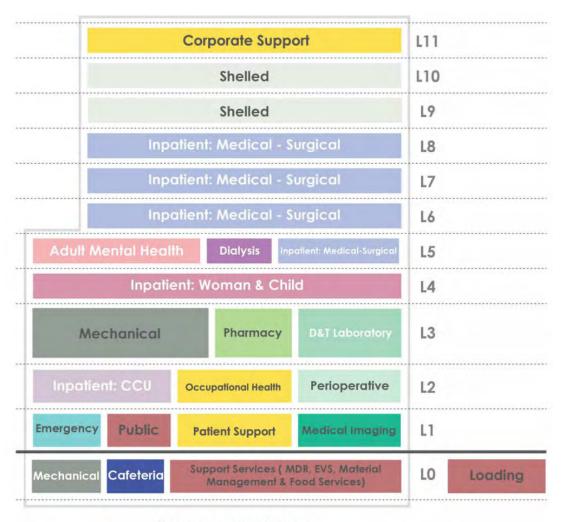




Aerial View – South Side, Looking North



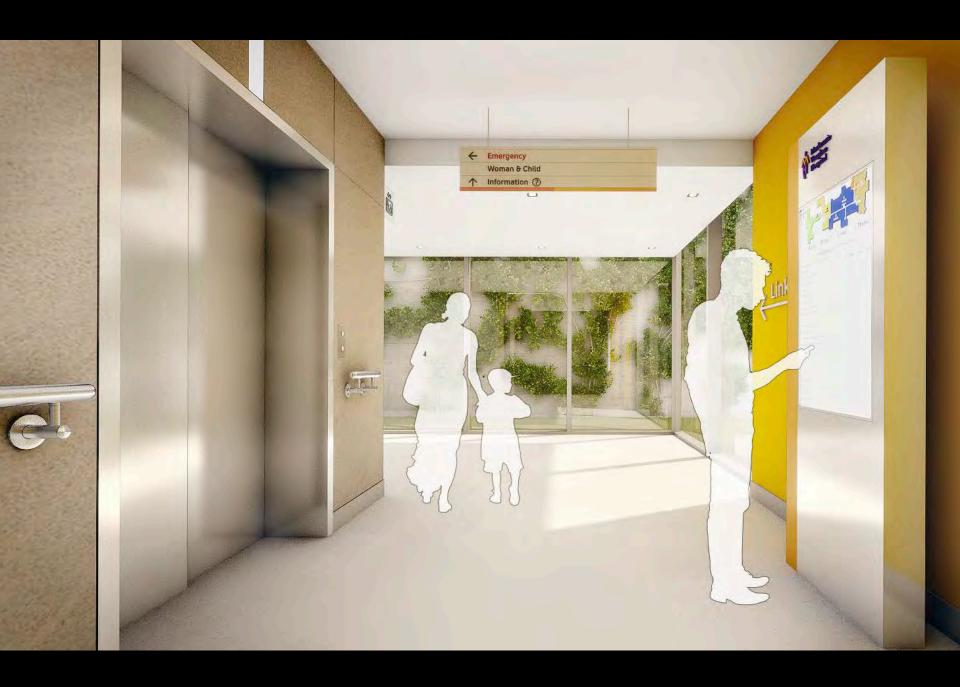
Location of Services



































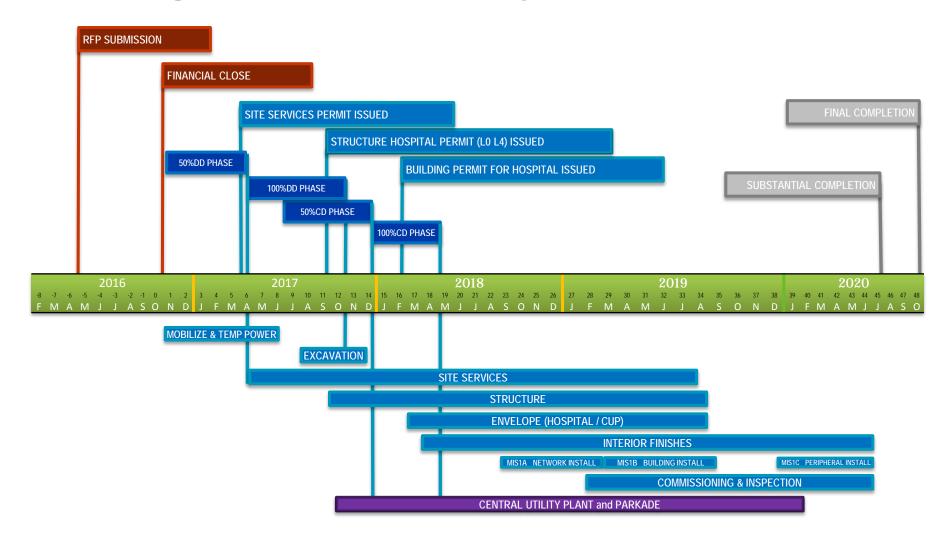






Aerial View – South Side, Looking North

Design and Permit Sequence



Next Steps



City of Vaughan

- Presentation the Committee of the Whole: March 7, 2017
- Subsequent lifting of the "H" allowing permits to be applied for and issued
- Site Services Permit target release: March 24, 2017

York Region

 Region to issue Environmental Assessment report for improvements to sections of Major Mackenzie Drive and Jane Street

Month 1 to 6



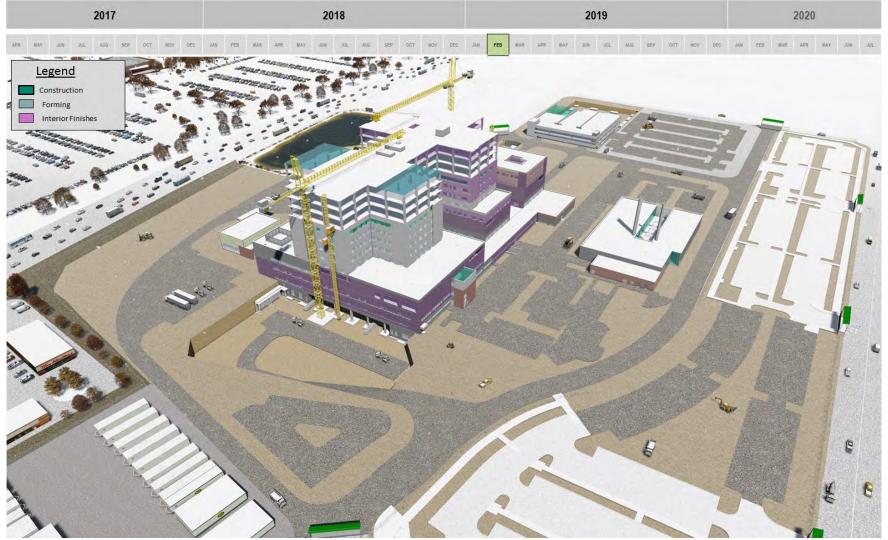


























Technology and Innovation

Altaf Stationwala

President and CEO Mackenzie Health



Procurement of an Integrated Solution



EMR



Managed ICAT



Managed Equipment









Smart Workflow

Mackenzie Vaughan Hospital will be the first hospital in Canada to feature fully integrated 'smart' technology systems and medical devices that can speak directly to one another to maximize information exchange.

Mackenzie



Smart Hospital Vision – Innovation Unit First-in-canada project featuring unique advanced technology integration transforming delivery of care

WWW



Special **Notification Lights**

Outside each room, lights alert the staff from across the unit to patient safety concerns such as fall risk or when immediate assistance is needed.



Smart Stations

Installed in every room, provide patient information to caregivers to respond faster to patients' needs, therefore improving patient outcomes and experience.

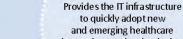
Mobile Phones

Enable nurses and physicians to communicate securely with one another about medications. meetings or discharge plans to expedite patient care.



Smart Badges

Identify location on the unit, alert of patient calls, enable staff communication and record response and direct patient care time provided.



to quickly adopt new and emerging healthcare innovations and technologies, as they become available.

Data Centre



Hand Hygiene **Support Solution**

Utilizes a system that assists team members to practice hand hygiene at key points in time to avoid spreading germs to patients.

Smart Infusion Pumps

Patient-controlled pumps deliver medications, fluids and nutrients at precisely controlled rates and help prevent medication errors.



Features include safety alerts to help prevent adverse events such as falls and built-in scale for accurate and timely weighing of patients.











HEALTHCARE DEVELOPMENT



Mackenzie Vaughan Hospital to feature fully integrated 'smart' technology

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Questions?

