The purpose of today’s workshop is to provide:

- A short history of GRIDS, GRIDS 2 & the MCR
- An understanding of intensification and density
- An explanation of Land Needs Assessment
- An outline of upcoming key decision points and next steps in the GRIDS 2 / MCR process

*Today’s workshop is about education and information-sharing. There are no recommendations or decisions requested from this workshop.*
Today’s speakers:

Joanne Hickey-Evans – Manager, Policy Planning & Zoning
By-law Reform, City of Hamilton

Antony Lorius – Principal, Lorius & Associates

Heather Travis – Senior Project Manager, Growth Management Strategy, City of Hamilton
Agenda

1. What is growth management?
2. Where have we been? A brief history of GRIDS
3. Where we are going? GRIDS 2 and the MCR
4. A discussion on significant planning considerations to be addressed as part of GRIDS 2 /MCR:
   - Residential Intensification
   - Designated Greenfield Area
   - Employment Area
5. Land Needs Assessment targets and scenarios
6. Evaluation of growth options – restrictions and opportunities
7. Next Steps
NOV/DEC 2019
Open House and Stakeholder Workshop, Round 2
- Employment Land Review
- Intensification and density targets
- Urban Structure update

FEB 2020
Release of Land Needs Assessment (LNA) and Call for Requests:
- LNA results
- Evaluation framework
- Requests for consideration

MAY 2020
Open House and Stakeholder Workshop, Round 3
- Preferred growth option

OCT 21
Council Workshop

NOV | GIC
General Issues Committee (GIC) – request to commence consultation

FEB | GIC
Employment Review, Land Needs Assessment, Evaluation framework

MAY/JUNE | GIC
Evaluation results and request to commence consultation

SEPT/OCT | GIC
Preferred growth option

PHASE 2
TECHNICAL STUDIES

PHASE 3
ANALYSIS OF GROWTH OPTIONS

PHASE 4
OFFICIAL PLAN REVIEW
What is Growth Management?

• Growth management is a strategic, long-range, comprehensive and integrated approach to planning and City-building.

• It incorporates infrastructure planning and investment, demographic and economic forecasting, employment trends, land use planning.

• *A Place to Grow: Growth Plan for the Greater Golden Horseshoe (Growth Plan, 2019)* provides the context for growth management from a planning perspective.
What is the Growth Plan?

• *Growth Plan* is the Provincial vision for growth in the Greater Golden Horseshoe to 2041

• Establishes the population and employment growth forecasts that must be used for growth management and long-range planning

• Provides direction on how growth is to be accommodated, including intensification and density targets
What is GRIDS?

• GRIDS (Growth Related Integrated Development Strategy) is the City’s growth strategy which was approved in 2006, and planned for the City’s growth to the year 2031.

• GRIDS identified a Nodes and Corridors land use structure for the City, how infrastructure and transportation Master Plans would align with growth, and a preferred growth option to accommodate population and job growth to 2031.
### 9 Directions to Guide Development

1. **Encourage a compatible mix of uses in neighbourhoods that provide opportunities to live, work and play.**

2. **Concentrate new development within existing built-up areas and within a firm urban boundary.**

3. **Protect rural areas for a viable rural economy, agricultural resources, environmentally sensitive recreation and the enjoyment of the rural landscape.**

4. **Design neighbourhoods to improve access to community life.**

5. **Retain and attract jobs in Hamilton’s strength areas and targeted new sectors.**

6. **Expand transportation options that encourage travel by foot, bike and transit, and enhance efficient inter-regional transportation connections.**

7. **Maximize the use of existing buildings, infrastructure, and vacant or abandoned land.**

8. **Protect ecological systems and improve air, land and water quality.**

9. **Maintain and create attractive public and private spaces and respect the unique character of existing buildings, neighbourhoods and settlements.**
GROWTH CONCEPTS TO GROWTH OPTIONS

3 CONCEPTS

No Urban Boundary Expansion

Appropriately Distributed Development

Downtowns, Nodes & Corridors

Existing Urban Boundary  New Growth  Downtown  Sub-Centres
TRIPLE BOTTOM LINE EVALUATION

ENVIRONMENT

ECONOMY

COMMUNITY

TBL
COMMUNITY

CONSIDERATIONS

Does the option accommodate the Provinces housing forecasts?

Does the option achieve a mix of building types and land uses?

Does the option support closer live/work connections?

Will cultural heritage be protected?

MEASURES

15 measures, including:

- Deviation from provincial housing mix targets
- Number of traffic zones with population decline
- Ease of retaining and providing new infrastructure
- Number of residents within 5 km of CBD
- Area of cultural heritage landscape integrity

The Growth Option will:

- Support delivery of public services in an equitable manner
- Enhance employment opportunities and ensure they are accessible to all
- Protect human health

Option 5 ranked #1 or #2 in 9 of the 15 measures
(2 measures did not receive a ranking)
ENVIRONMENT

CONSIDERATIONS

How do we protect the functions of ecological systems?

Does the option preserve our agricultural land and rural areas?

Does the option result in cleaner air and water?

MEASURES

13 measures, including:

- Number of hectares in growth areas that are in natural heritage system
- Impacts to terrestrial and aquatic habitat
- Acreage of prime agricultural area in growth areas
- Number and area of active farm parcels
- Change in vehicle kilometres travelled
- Proximity of residents to transit
- Impacts to flooding, water quality and groundwater

The Growth Option will:

- Ensure Hamiltonians share equally in the benefits of a healthy natural environment
- Enhance economic development in an eco-efficient manner
- Protect ecosystem health

Option 5 ranked #1 or #2 in 8 of the 13 measures
**ECONOMY**

**CONSIDERATIONS**

- Can this option be efficiently serviced?
- How many jobs are provided?
- How does this option attract and retain a skilled, innovative, diverse workforce?
- How does this option support existing commercial nodes?

**MEASURES**

15 measures, including:
- Ability to use existing infrastructure
- Transportation, Water/Wastewater, Stormwater infrastructure requirements
- Impact on accessibility for goods movement
- Number of jobs created
- Population growth in Downtown and core areas

The Growth Option will:
- Help to retain and attract a skilled, innovative and diverse workforce
- Position Hamilton as a centre of economic growth
- Maintain and enhance Hamilton’s high quality environmental amenities

**Option 5 ranked #1 or #2 in 13 of the 15 measures**
(1 measure did not receive a ranking)
Note: The Twenty Road East lands were not included as part of the preferred option. Council directed, through Motion, that these lands be incorporated in the next comprehensive review, which will occur through GRIDS2.
IMPLEMENTATION OF GROWTH STRATEGY

SEPTEMBER 2006
Adoption of Rural Hamilton Official Plan (effective date March 2012)
(mapped a future urban growth district in Elfrida area – removed by Province prior to approval – remains under appeal)

JULY 2009
Adoption of Urban Hamilton Official Plan (effective date August 2013)
(description of a future urban growth district in Elfrida area – removed by Province prior to approval – remains under appeal)

OCTOBER 2010
Airport Employment Growth District (AEGD) Secondary Plan approved by Council (and appealed to OMB)

FEBRUARY 2015
Minutes of Settlement – AEGD Phase 3 hearing signed by 4 parties (confirmed boundaries of AEGD and Elfrida as first priority for residential growth to 2031)

2017
Commencement of Elfrida Growth Area Study and Sub-watershed Study (project currently on hold)
Implemented transportation and infrastructure improvements ...

- Centennial Trunk Sewer
- LRT Planning
- Stormwater Master Plan
- Transportation Master Plan
- Water/Wastewater Master Plan
- GO Stations
- New transit terminals
- Other infrastructure investments
What is GRIDS 2 and the Municipal Comprehensive Review?

**GRIDS 2**
- Update to GRIDS
- Long range growth management to 2041
- Integrated with updates to Master Plans
- Informs DC By-law update

**MCR**
- Provincial requirement to update Official Plans to conform to provincial plans
- Plans to the year 2041
How much growth is forecast to 2041?

GROWTH FORECAST: 2016 to 2031

- An increase of 122,000 people, for a total population of 680,000 people.
- An increase of 107,000 jobs, for a total employment of 310,000 jobs.

GROWTH FORECAST: 2031 to 2041

- An increase of 100,000 people, for a total population of 780,000 people.
- An increase of 40,000 jobs, for a total employment of 350,000 jobs.

The Growth Plan forecasts are for a 2031 population of 680,000 and a 2041 population of 780,000 and jobs of 310,000 and 350,000 respectively.

This equates to an increase of 222,000 persons and 147,000 jobs between 2016 and 2041.
## GRIDS & GRIDS 2 – a comparison ...

<table>
<thead>
<tr>
<th></th>
<th>GRIDS</th>
<th>GRIDS 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Planning horizon</strong></td>
<td>2001 – 2031*</td>
<td>2031 - 2041</td>
</tr>
<tr>
<td><strong>Population</strong></td>
<td>150,000 persons</td>
<td>100,000 persons</td>
</tr>
<tr>
<td></td>
<td>80,000 units</td>
<td>40,000 units</td>
</tr>
<tr>
<td><strong>Distribution (units)</strong></td>
<td>Intensification: 26,500</td>
<td>Intensification: 20,000 (min. target)</td>
</tr>
<tr>
<td></td>
<td>vacant land supply: 32,000</td>
<td>vacant land supply: 0</td>
</tr>
<tr>
<td><strong>Problem?</strong></td>
<td>Where will remaining 21,500</td>
<td>Where will remaining 20,000 units be allocated? (also need to review growth to 2031 under new targets)</td>
</tr>
<tr>
<td></td>
<td>units be allocated?</td>
<td></td>
</tr>
<tr>
<td><strong>Jobs</strong></td>
<td>90,000 jobs</td>
<td>40,000 jobs</td>
</tr>
</tbody>
</table>

* the 2031 forecasts increased from 660,000 population and 300,000 jobs in the 2006 Growth Plan (the targets utilized for the first GRIDS) to 680,000 population and 310,000 jobs in the updated Growth Plan
MCR Process

1. **Background Review**
   - Growth Summary 2006 - 2016

2. **Background Studies**
   - Urban Structure Review
   - Greenfield Target Analysis
   - Employment Land Review
   - MTSA Planning
   - Intensification Update

3. **Land Needs Assessment**
   - Residential Intensification
   - Designated Greenfield Area Density
   - Employment Area Land Need

4. **Evaluation of Growth Options**
   - Evaluation Framework
   - Analysis of Options
   - Identification of Preferred Option
Major Elements of the Land Needs Assessment (LNA)

- **Intensification Target**: % of new units to be built inside the built boundary
- **Designated Greenfield Area (DGA)**: planned density of the greenfield area
- **Employment Area Land Need**: part of the DGA but treated separately in the analysis
What is Intensification?

The Provincial Policy Statement (PPS) defines intensification as the development of a property, site or area at a higher density than currently exists through:

- *redevelopment*, including the reuse of *brownfield sites*;
- the development of vacant and/or underutilized lots within previously developed areas;
- infill development; and
- the expansion or conversion of existing buildings.

Intensification can take place anywhere throughout the urban area, including greenfield areas.
Role of Intensification in Planning Policy

• Growth through intensification has long been a policy goal

• Intensification also embedded with many other City planning objectives:
  – Supporting transit ridership
  – Reduce amount of new greenfield land required
  – Development of complete communities

• Often promoted as a way to save money on infrastructure, but not always the case
Intensification in a Growth Plan Context

- Refers to new housing in built-up parts of the community through infill and redevelopment, referred to as the “built-up area”

- *Growth Plan* has a specific requirement for the share of new units built within the built-up area = “intensification target”

- “Intensification” and *Growth Plan* target are not the same
What is Hamilton’s intensification target?

The annual minimum intensification target established by the *Growth Plan 2019* is 50%, to take effect following completion of the MCR.

- Refers to the share of new units within built boundary (shown in red on the map).
- Target is a minimum. City can set a higher target than mandated by the *Growth Plan*.
- City may apply for approval of an alternative lower target, but would require approval from Minister.
Historic rates of intensification

The City’s intensification rate (in a *Growth Plan* context) has fluctuated on a yearly basis since 2006.

This variation is to be expected. The number of permits issued will vary from year to year.

The City has averaged 30% to 40% of new units in recent years.
How do we determine an appropriate intensification target for Hamilton?

• Need to look at supply and demand for intensification units

• Theoretically, the supply of potential intensification units in Hamilton is large:
  - Downtown / Pier 7&8
  - nodes and corridors
  - other infill opportunities

• But how much intensification will Hamilton actually experience by 2041?

• Based on past experience – approx. 700 to 800 RI units / year

• Need to look at future demand for intensification to determine appropriate target
Major Factors Driving Demand

Five key factors drive demand for intensification:

- **Economic Factors** that have driven strong population growth and housing demand overall

- **Age Structure** (demographic and lifecycle factors) which largely dictates housing choice by unit type

- **Housing Supply**, which determines options available to consumers

- **Cost and Affordability**, which has led to a broad market shift to smaller and more affordable housing forms

- **Lifestyle Preferences**, which influences the location and type of intensification across the broader metropolitan region.
What is the market demand for intensification units in Hamilton?

- Scenario based approach taken to forecasting demand for intensification in Hamilton:
  - Current trends forecast = 40% of new units
  - High forecast = 48% of new units
  - Low forecast = just under 30% of new units

- Significant new development activity anticipated under all market demand outlooks:

  - Forecast growth of 20,000 to 35,000 high-rise apartment units to 2041
  - Means 4 to 10 new apartment buildings, each year, every year, to 2041
  - *Growth Plan* target is at the high end of the forecast range
So what is the outlook for intensification in Hamilton?

- 50% is a suitable aspirational target, but it is a high target and represents significant new development.
- Adopting the right planning policy will promote intensification, but to achieve targets, need to address demand.
- Demand needs to change – more people need to choose to buy intensification units.
- Success in the market depends on the relative attraction of the City for investment.
- Intensification is often presumed to be a substitute, or instead of new greenfield development, but this is not always correct.
How has the City been encouraging residential intensification?

- Updated policy and zoning frameworks:
  - UHOP – nodes and corridors urban structure
  - Downtown Secondary Plan Review and Zoning By-law
  - Transit-Oriented Corridor (TOC) and Commercial-Mixed Use Zoning
  - New Residential Zoning By-law (in progress)
  - New Secondary Plans (eg. Centennial Neighbourhoods)
  - West Harbour planning
- Incentive programs (eg. ERASE grants, parkland dedication, downtown programs)
- Laneway housing pilot project
- Transit investments
Requirements and key challenges

Planning for higher levels of intensification poses risks / challenges:

- The purpose of the intensification target is to reduce the amount of new urban lands developed in greenfield locations.
- Planning for higher intensification target could lead to potential mismatch between market housing demand and supply of available units.
- Challenges with redevelopment (eg. NIMBYism, land assembly, site remediation etc.).
- Opportunity to utilize existing infrastructure and services, but in many cases will need upgrades.
- Provincial and City population growth forecast may not be achieved, which has fiscal impacts.
What is the Designated Greenfield Area (DGA)?

The DGA is part of the City’s urban area that is outside of the built boundary. The DGA includes areas within the City’s existing urban area ("existing DGA") and expansion areas added to the urban area in the future ("new DGA").
What is the DGA Density Target?

- The Growth Plan establishes a minimum planned density target in the DGA of **50 persons and jobs per hectare (pjh)**. This target is measured across the entirety of the DGA (with certain exclusions including employment lands, natural heritage features, rights-of-way).

\[
\text{People} + \text{Jobs per Hectare (PJH)} = \frac{\text{No. of People Living in an Area}}{\text{Area in Hectares}} + \frac{\text{No. of Jobs in an Area}}{\text{Area in Hectares}}
\]

- This target applies to the City’s existing DGA lands (already in the urban boundary) as well as any new expansion lands added to the urban area.

- Employment density is measured separately. The DGA density target does not apply to employment areas.
What is the City’s Current Planned DGA Density?

• The City’s existing DGA is currently planned at **56 pjh**.

• The City’s newest greenfield community (Fruitland Winona) is planned at a density of 70 pjh. This target for new residential greenfield areas is in the Urban Hamilton Official Plan.

• The Growth Plan density target is a minimum and the City may plan to achieve a higher density target that is appropriate for Hamilton.
What does the difference in density actually look like?

HIGHLAND HILLS EAST - 62 PERSONS AND JOBS PER HECTARE
What does the difference in density actually look like?

ROPA 9 LANDS — 46 PERSONS AND JOBS PER HECTARE
Implications of a higher DGA density target

More efficient use of land = less new greenfield land required

Opportunity to plan for new transit-supportive communities

More medium to high density housing forms – may compete with demand for these units in the built-up area, making intensification target more difficult to achieve

Higher density housing forms can have an impact on community design, resulting in less area for parking, increased lot coverage, less impermeable surface etc.

Risk of losing Hamilton’s growth to adjacent municipalities if opportunities for market demand housing are not available
Greenfields versus intensification

- Intensification and greenfield development driven by different dynamics:
  - Intensification driven by demand: economic and demographic factors combined with lifestyle choice
  - Greenfield development driven by the supply of land available, especially for ground-related housing
- City has limited control over the amount of intensification that occurs: multiple factors must come together for large-scale development to occur
- Greenfields are different: available supply largely dictates development activity (other things being equal)
- Where greenfield supply does not exist, demand tends to shift location not unit type
What are Employment Areas?

- Areas designated in the Official Plan to accommodate a wide range of economic activities that occupy mainly industrial-type buildings
- Integrated system of industrial and business park lands
- Developed areas home to major economic & transportation infrastructure (Bayfront, Port of Hamilton)
- Greenfield areas in Red Hill South and AEGD where most new development will occur
Employment Area Land Need?

- GTHA remains one of the fastest growing metropolitan areas in Canada and the United States
- Growth in e-commerce has created a demand for new building space
- Professional service and technology-related uses forecast to grow steadily over the period to 2041
- Demand for employment areas in Hamilton anticipated to remain high in the future
- Maintaining an appropriate and marketable supply of land is important
How do the intensification and density targets impact land need?

Intensification Target
% of new units to be built inside the built boundary

Designated Greenfield Area (DGA)
planned density of the greenfield area

Employment Area Land Need
part of the DGA but treated separately in the analysis
Density and intensification targets work together to set land need.
Considering the appropriate intensification and density targets for Hamilton

- The targets in the Growth Plan are minimums. The City can consider different targets that are appropriate for Hamilton.

- However, there are limitation on the targets that can be considered due to market demand, existing approvals and current patterns of development.
Considering the intensification target…

The Growth Plan minimum target is **50%**. The draft RI Demand Study has identified 50% as a “suitable aspirational target” for the City.

Can the City consider a higher or lower intensification target? Yes, but must be aware of limitations:

**Lower target:**
City may request a lower target, but it may not be approved by Minister in light of opportunities for intensification along LRT corridor, downtown etc.

**Higher target:**
- 50% is already at the high end of the forecast demand range.
- Future development in the existing DGA accounts for 20% of projected unit growth, meaning maximum RI rate would be 80%.
Considering the density target for the Existing DGA...

- Growth Plan minimum density target: **50 pjh**.

- Planned density of the **Existing DGA** (lands which are already in the urban boundary) based on existing approvals and development assumptions: **56 pjh**.

- Most of the City’s Existing DGA is already planned. Of the 4,230 gross ha of Existing DGA, only **118 ha** remains unplanned.

- Opportunities to increase the planned density of the Existing DGA are limited.
Considering the density target for the New DGA...

The Growth Plan minimum density target for the DGA is **50 pjh**.

The UHOP target for new greenfield communities is 70 pjh. The City’s newest planned greenfield community (Fruitland-Winona) is planned at a density of **70 pjh**.

Can the City consider a higher or lower density target? Yes, but must be aware of limitations:

**Lower target:**
City may request a lower target, but it may not be approved by Minister. The City’s existing planned density already exceeds the minimum target.

**Higher target:**
The higher the target, the higher the share of townhouses and multiple dwellings, possibly competing with intensification units, and not adequately supplying the low density market.
INTENSIFICATION

GREENFIELD DENSITY
Different scenarios could be considered...

1. **Growth Plan**
   - **“Low” Targets**
     - RI @ 50%
     - New DGA density @ 50pjh
   - Required urban expansion area could be maximized.

2. **Current Development**
   - **“Mid-Range” Targets**
     - RI @ 50%
     - New DGA density @ 60pjh
   - Urban expansion area, if required, could be moderate.

3. **“High” Targets**
   - RI @ 60%
   - New DGA density @ 70pjh
   - Urban expansion area, if required, could be minimal.
BUT, urban expansion area is only one potential impact. All scenarios will also have impacts on:

- City Revenues (D.C.'s, Property Taxes)
- Climate Change
- Agricultural & Rural Lands
- Growth Potential
- Servicing
- Housing Distribution
- Housing Mix
- Transportation
Takeaways

• Minimum targets are not necessarily the right target for the City. On the intensification side, the preliminary findings of the RI Demand Study has found that the Growth Plan minimum of 50% is a suitable aspirational target. On the greenfield density side, the City is already achieving densities higher than the minimum.

• Need to balance the need for a variety of housing types and market demand with other desired objectives (eg transit supportive, complete communities, preserving agricultural land).
Takeaways

• Increasing both the intensification target and the density target could lead to the planned future housing mix being overly comprised of medium and high density housing forms and under comprised of single detached dwellings.

• If Hamilton does not supply the demand for low density housing, that growth could go elsewhere. The City may not meet its growth targets, which creates financial implications.

• Planning for a higher target does not mean that the City will achieve that target. Growth and development is dictated by a combination of broad market forces and Hamilton’s relative attraction as a location for investment.
Evaluation of Growth Options

If the Land Needs Assessment identifies a need for additional land to accommodate the City’s growth to 2041, the next phase of the MCR will be the evaluation of growth options.

There are a number of limitations on where the City cannot grow:

• expansion into the Greenbelt Plan is prohibited (with the exception of Towns / Villages – Waterdown and Binbrook – where a 10 ha expansion could occur)
• no residential development above the 28 NEF contour
• agricultural and natural heritage constraints
Evaluation of Growth Options (continued)

- Council direction from GRIDS identifies Elfrida as preferred growth area to 2031, with a motion to include the Twenty Road East lands in the next comprehensive review

- Minutes of settlement from AEGD Hearing identify an east to west progression of future growth areas
Elfrida – 1,200 gross ha (approx.)

Twenty Road W / Garner Rd = 180 gross ha (approx.)

Twenty Road E = 380 gross ha (approx.)
Evaluation framework:

- Will be developed with input from stakeholders / public.

- Will respond to criteria of Growth Plan and City’s 9 Directions to Guide Growth, with updates to be considered.

- Will use a climate change lens.
PLANNING DIVISION

PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

PHASE 2
TECHNICAL STUDIES

PHASE 3
ANALYSIS OF GROWTH OPTIONS

PHASE 4
OFFICIAL PLAN REVIEW

NOV/DEC 2019
Open House and Stakeholder Workshop, Round 2
- Employment Land Review
- Intensification and density targets
- Urban Structure update

FEB 2020
Release of Land Needs Assessment (LNA) and Call for Requests:
- LNA results
- Evaluation framework
- Requests for consideration

MAY 2020
Open House and Stakeholder Workshop, Round 3
- Preferred growth option

OCT 2019
Council Workshop

NOV 2019 | GIC
General Issues Committee (GIC) – request to commence consultation

FEB 2020 | GIC
Employment Review, Land Needs Assessment, Evaluation framework

MAY/JUNE 2020 | GIC
Evaluation results and request to commence consultation

SEPT/OCT 2020 | GIC
Preferred growth option
## Upcoming Consultation:

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
</table>
| Tuesday, November 26, 2019    | David Braley Centre Auditorium  
100 Main St W, Hamilton                                                   | 2 – 4 pm  
6 – 8 pm |
| Thursday, November 28, 2019   | Battlefield House Museum & Park  
77 King St W, Stoney Creek                                                | 2 – 4 pm  
6 – 8 pm |
| Monday, December 2, 2019      | Dundas Town Hall Auditorium  
60 Main Street, Dundas                                                    | 2 – 4 pm  
6 – 8 pm |
| Wednesday, December 4, 2019   | St. Naum of Ohrid Macedonian Orthodox Church  
1150 Stone Church Road East, Hamilton                                    | 2 – 4 pm  
6 – 8 pm |
WEB UPDATES

PUBLIC ENGAGEMENT STRATEGY

OPEN HOUSES
Multiple rounds

DIRECT MAIL OUTS

MARKETING CHANNELS
Billboards, Radio, Pop up events
Key decision points

• Intensification target – Feb 2020
• Density target – Feb 2020
• Employment land review – Feb 2020
• Land Needs Assessment – Feb 2020
• Evaluation framework – Feb 2020
• Growth options to 2031 and post-2031 – Feb 2020
• Preferred growth option – Oct 2020
• Official Plan Amendment under sec 26 – late 2021
Thank you!