### MONITORING AND EVALUATING THE IMPLEMENTATION OF THE GROWTH PLAN: NAVIGATING A PATH FORWARD

A presentation at the Growth Plan Implementation Workshop hosted by the Clean Air Partnership

Marcy Burchfield

Executive Director, Neptis Foundation

October 20, 2017



# neptis THE DEPTIS FOUNDATION

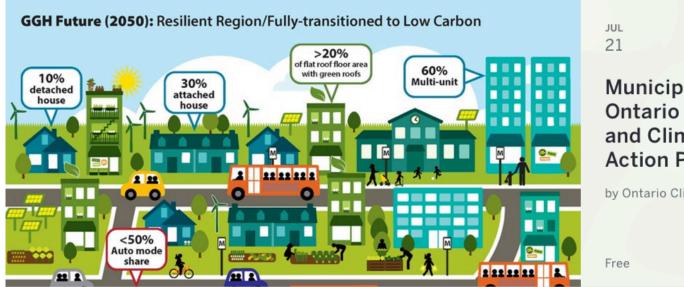
The Neptis Foundation is an independent, privately-capitalized, charitable foundation located in Toronto, Ontario, Canada.

Neptis conducts and disseminates nonpartisan research, analysis and mapping related to the design and function of Canadian urban regions. We aim to inform and to improve policy- and decision-making around regional urban growth and its management.

### www.neptis.org



## THE IMPORTANCE OF DATA



Municipal Think Tank: Ontario Growth Plan and Climate Change Action Plan

by Ontario Climate Consortium (OCC)

- A NEW PROVINCIAL MUNICIPAL RELATIONSHIP
- ROLE OF DATA IN TRACKING AND EVALUATING IMPLEMENTATION OF GROWTH PLAN

## **NOISE & CONFUSION DURING REVIEW PROCESS**

#### TORONTO & GTA ONTARIO CANADA WORLD WEIRD ARCHIVES



#### **NEWS** TORONTO & GTA

### Greenbelt forcing up home prices in GTA: Critics

BY ANTONELLA ARTUSO, TORONTO SUN

FIRST POSTED: SATURDAY, JANUARY 28, 2017 08:20 PM EST | UPDATED: SATURDAY, JANUARY 28, 2017 08:27 PM EST

#### > thestar.com <

**Business** 

### Land supply not to blame for rising home prices: Study

Only 20% of the land available for housing has been developed in the last 10 years, according to new research.



#### Ontario's anti-sprawl restrictions not a factor in housing shortage: government CANADA

#### Ontario's anti-sprawl restrictions not a factor in housing shortage: government

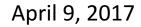


GLOBE

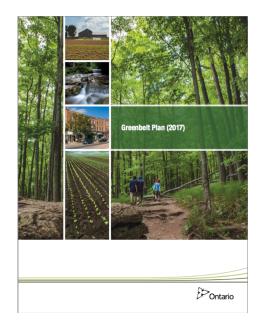
#### Report blames Ontario's 2006 growth plan for soaring house prices

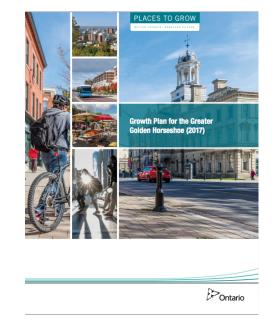


Though the supply for condominiums has soared, the same cannot be said for low-rise homes in the city. CHRISTOPHER KATSAROV/(CHRISTOPHER KATSAROV/THE GLOBE



## WILL IMPLEMENTATION BE **DIFFERENT** FOR GP (2017)?

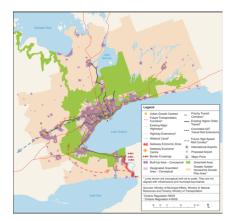








2005, UPDATED 2017

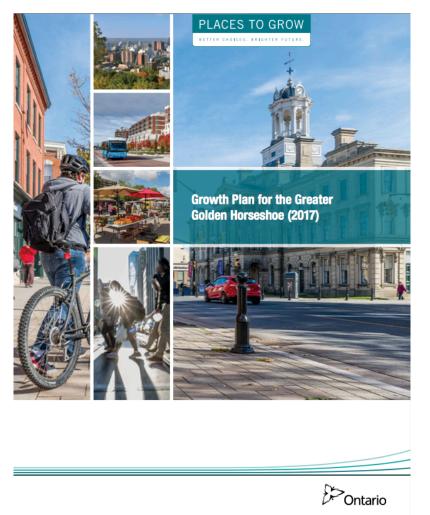






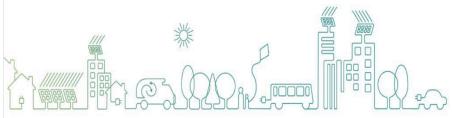
2008, UNDER REVIEW

## WHERE DO POLICIES INTERSECT?



#### #ONclimate

### ONTARIO'S CLIMATE CHANGE STRATEGY

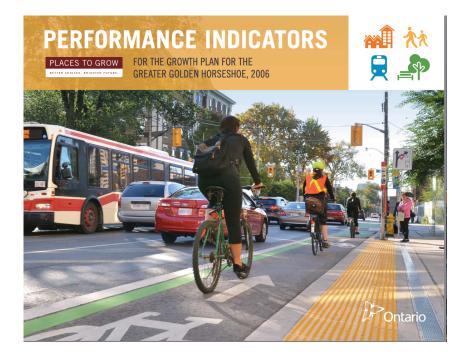




## **KEY INTERSECTIONS OF CLIMATE CHANGE & GP**

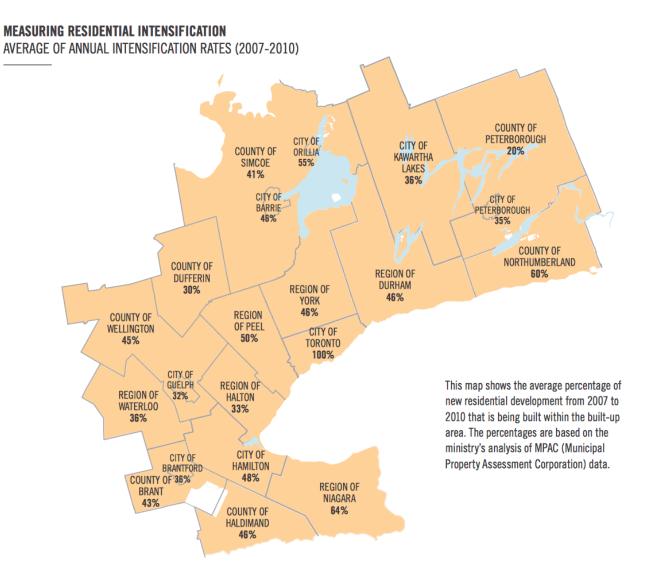
- PLAN A COMPACT, CONNECTED REGION WITH COMPLETE COMMUNITIES
- MODE SHIFT AWAY FROM INDIVIDUAL AUTO TO BIKE, WALK AND TRANSIT
- UNDERTAKE STORMWATER MANAGEMENT PLANNING, INFRASTRUCTURE RISK ASSESSMENT, LOW IMPACT DEVELOPMENT
- PRACTICE WATERSHED PLANNING
- PROTECT NATURAL HERITAGE SYSTEM AND AGRICULTURAL LAND BASE
- DEVELOP GREENHOUSE GAS INVENTORIES FOR TRANSPORTATION, BUILDINGS, WASTE MANAGEMENT AND MUNICIPAL OPERATIONS
- MAXIMIZING THE USE OF EXISTING INFRASTRUCTURE

## MMA: KEY PERFORMANCE INDICATORS (2015)



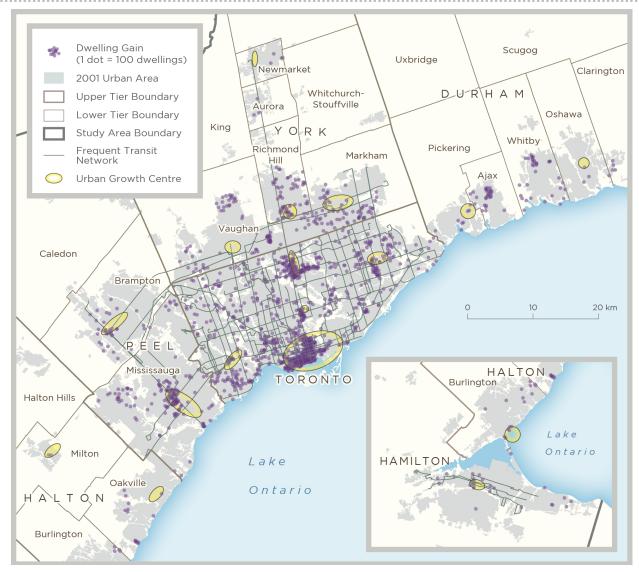
- LIMITED INDICATORS –
  ONLY 14
- AGGREGATED DATA
- FEW INDICATORS BASED
  ON MUNICIPAL DATA
- CONSULTATION TO INFORM INDICATOR DEVELOPMENT WAS LIMITED.

### MMA: TRACKING INTENSIFICATION UNITS BY U/STM



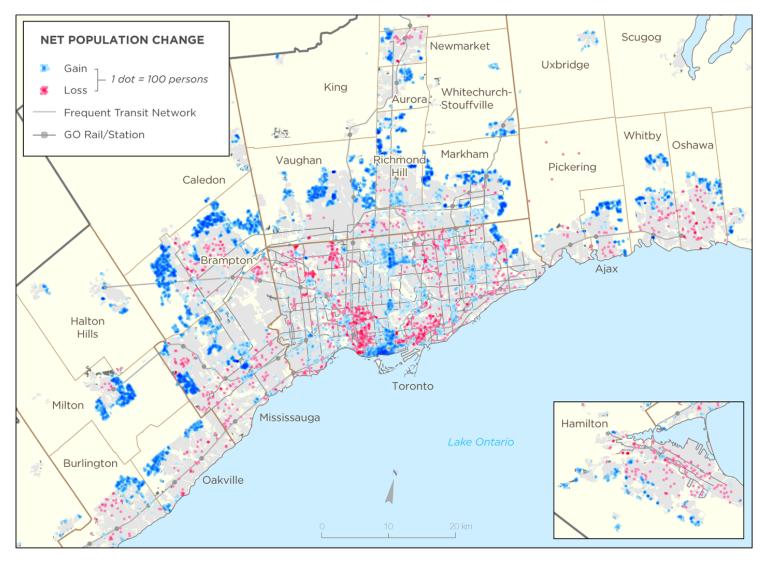
#### Source: MMA Performance Indicators for GGH, 2006

### NEPTIS: TRACKING INTENSIFICATION UNITS BY DA



Source: Neptis Foundation, Burchfield and Kramer, Growing Pains, 2015

### **NEPTIS: TRACKING POPULATION GAIN AND LOSS**



Source: Neptis Foundation, Burchfield and Kramer, Growing Pains, 2015

### **MMA: TRACKING GREENFIELD DEVELOPMENT**

The lands identified as the developing DGA constitute a very small proportion (less than 9 per cent) of the total DGA. Of the parcels in the developing DGA across all Greater Golden Horseshoe municipalities, 95 per cent were developed between 2006 and 2011.

or single-tier municipality. Each new development in the DGA contributes to the overall planned density, and the ministry is interested in tracking the density and other characteristics of this emerging development. Therefore, we have estimated the density of the existing developing DGA, and assessed the housing mix and lot sizes of the residential development. This provides a snapshot of what the developing DGA looks like today as it progresses towards the planned densities.

#### How was it measured?

The developing DGA includes lands that were built on, or were in the process of being built up to 2011.

The limits of the developing DGA were approximated by selecting and aggregating census dissemination blocks (DBs) with a perimeter size less than 1750 metres. Dissemination blocks are used by Statistics Canada to collect data on population and employment, osen based on tests best approximate the DGA.

provided population nent estimates for , and densities were roperty attributes ate the percentage wellings, semi-

detached dwellings, row houses and apartments in the developing DGA, and Land Information Ontario parcel fabric was used to calculate average lot areas by dwelling type.

#### Results

The lands identified as the developing DGA constitute a very small proportion (less than 9 per cent) of the total DGA. Of the parcels in the developing DGA across all Greater Golden Horseshoe municipalities, 95 per cent were developed between 2006 and 2011. The majority of this development was based on approvals that were granted before the Growth Plan came into effect. On average, lot sizes in the

developing DGA as of 2011 are smaller than residential development built in previous decades across the Greater Golden Horseshoe.

Since 1986, there has been a longterm decline in lot sizes across the Greater Golden Horseshoe. However,

#### IS DEVELOPING DESIGNATED GREENFIELD AREAS



lot sizes in the developing DGA between 2006 and 2011 are smaller than lot sizes from previous decades.

Estimated densities of existing development vary considerably. Estimated densities across the entire developing DGA for the inner ring were 51 people and jobs combined per hectare, and across the outer ring were 23 people and jobs combined per hectare. Because of the lag between BUILD COMPACT AND EFFICIENT COMMUNITIES

As the illustration shows, development can occur either as intensification within the built-up area of a municipality, or as new development within designated greenfield areas. Development does not always happen evenly, and it is built out over time. This indicator measures the estimated developing DGA, which can have varying sizes and shapes, as shown in this illustration.

Agricultural and Rural Area

SETTLEMENT AREAS: Designated Greenfield Area Built-up Area

approvals and construction, this development likely reflects approvals that were granted before the Growth Plan came into effect.

#### Considerations

Density numbers are based on the best data that is available for the entire area as of 2011: Census population counts and National Household Survey place of work estimates.

### **MAYORS: TRACKING GREENFIELD DEVELOPMENT**

Greater Toronto & Hamilton Area (GTHA) Mayors and Chairs Summit September 30, 2016

Report on the Government of Ontario's Co-ordinated Land Use Planning Review including the Proposed Growth Plan for the Greater Golden Horseshoe and the Proposed Greenbelt Plan

Hazel McCallion Ex-officio Advisor to the Premier on Issues within the Greater Toronto and Hamilton Area

December 2016

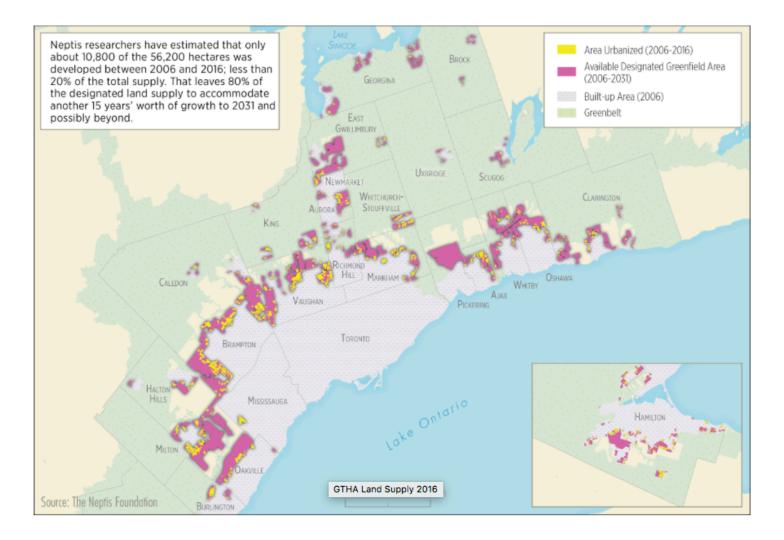
Greater Toronto & Hamilton Area (GTHA) Mayors and Chairs Summit Report, September 2016

lands are approved but not yet built, and those lands that are currently in a public planning process, MGP estimated that approximately 50% of the DGA land is built on, or planned to be built in the short term. This is a significantly different number than what was put forward by the Province. This discrepancy is problematic, as this would mean that the remaining land in the DGA available for development is less than 50%, rather than the Province's number of 95%. The Province must review its information and update it to ensure there is evidence to support the Government's policy direction. Before implementing any new proposed density target, the Province needs to go back and work with the Municipalities to ensure the accuracy of the data being used for the baseline information. In making policy decisions of the magnitude proposed, there should be little room for arguing about facts.

process, MGP estimated that approximately 50% of the DGA land is built on, or planned to be built in the short term. This is a significantly different number than what was put forward by the Province. This discrepancy is problematic, as this would mean that the remaining land in the DGA available for development is less than 50%, rather than the Province's number of 95%. The Province must review its information and update it to

Source: Hazel McCallion, Report on the Government of Ontario's Co-ordinated Land Use Planning Review including the Proposed Growth Plan for the Greater Golden Horseshoe and the Proposed Greenbelt Plan, December 2016

### **NEPTIS: TRACKING LAND CONSUMPTION**



Source: Neptis Foundation, No shortage of land for homes in the Greater Toronto and Hamilton Areaa, 2016

### **NEPTIS: TRACKING LAND CONSUMPTION**

	A	В	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB	AC	AD	AE
1	Municipality		Und	elineated Bu	ilt-up Area (UI	BUA)			Des	ignated Greer	nfield Area (D	DGA)	Othe	er Designated	Lands	A	ll Available La	inds
				UBUA: Tota Urbanized		% Available		UBUA: Total Urbanized Area (2016) in		DGA: Total Urbanized	Available	% Available	Amendmen t 1 Employmen	Barrie	Brantford/B rant Boundary	Total Designated	Total Designated Lands	% Available of Total Designated
2 STM	/UTM	Туре	Total UBUA	Area (2016)	UBUA	UBUA	Greenbelt	Greenbelt	Total DGA	Area (2016)	DGA	DGA	t Areas	Lands	Adjustment	Lands	(Available)	Lands
3 UTN	M/STM																	
4 Inne	er Ring		10,590	5,237	5,353	51%	8,439	4,421	52,035	9,788	42,247	81%	0	) (	) 0	62,626	6 47,600	0 769
5 Durh	•	Upper-Tier	2,745		-	36%			12,883	1,502	11,381	88%	i 0	) (	0 0		-	
6 Halto	on	Upper-Tier	1,789			50%			11,488	1,706	9,782	85%	i 0	) (	0 0			
7 Peel		Upper-Tier	1,557	750	807	52%	1,327	665	10,452	2,832	7,620	73%	i C	) (	0 0			6 70
8 York		Upper-Tier	2,826	1,216	1,610	57%	2,719	1,181	17,212	3,748	13,464	78%	6 C	) (	0 0	20,038	8 15,074	4 75
9 Hami	ilton	Single-Tier	1,674	605	1,068	64%	358	154	1	0	1	98%	6 C	) (	0 0	1,674	4 1,069	9 64
10 Toro	into	Single-Tier	0	C	0	100%	C	0	0	0	0	100%	i C	) (	0 0	(	o c	0 100
11 Oute	er Ring		39,283	13,181	26,102	66%	2,804	1,101	46,731	4,952	41,779	89%	1,861	2,349	2,689	92,914	4 74,781	1 809
12 Duffe	erin	Upper-Tier	2,223	646	1,577	71%	672	214	734	111	624	85%	i 0	) (	0 0	2,957	7 2,201	1 74
13 Niaga	ara	Upper-Tier	2,444	894	1,550	63%	650	369	7,804	866	6,938	89%	i C	) (	0 0	10,247	7 8,488	8 83
14 North	humberland	Upper-Tier	5,050	1,306	3,744	74%	548	215	2,243	188	2,055	92%	i C	) (	0 0	7,292	2 5,799	9 80
15 Peter	rborough	Upper-Tier	5,111	1,315	3,796	74%	C	0	1,857	82	1,775	96%	i C	) (	0 0	6,968	8 5,571	1 80
16 Simce	coe	Upper-Tier	14,699	4,759	9,941	68%	357	50	12,105	1,141	10,965	91%	1,861	L C	0 0	28,666	6 22,767	7 79
17 Wate	erloo	Upper-Tier	2,116	1,315	801	38%	17	10	6,800	1,137	5,663	83%	i 0	) (	0 0	8,917	7 6,464	4 72
18 Welli	ington	Upper-Tier	1,971			59%			2,560		2,417	94%		· ·				
19 Brant			2,316			62%		-			2,266				-			
20 Brant			1		-			-			1,434			· ·				
	imand County	Single-Tier	868			50%					1,898			•	-			
	artha Lakes	Single-Tier	2,450			66%			1,351		1,247	92%		-	-			
	of Peterborough	Single-Tier	33			70%			-,		981	87%	-	-		-,		
24 Barri		Single-Tier	0		-	#DIV/0!	0	-			1,160			-,				
25 Orillia		Single-Tier	1	C	-	16%		-			542			•	-			
26 Guel	· _	Single-Tier	1	C	1	76%	C	0	2,175	362	1,813	83%	i C	) (	0 0	2,177	7 1,814	4 83
27 <b>LTN</b>																		
28 Inne	er Ring		10,590	5,237	5,353	51%	8,439	4,421	52,035	9,788	42,247	81%	0	) (	0 0	62,626	5 47,600	0 769
29 Ajax		Lower-Tier	0		-	#DIV/0!	C			422	672		6 C	) (	0 0	1,094		
30 Brock		Lower-Tier	138			59%					441			•	-			
	ngton	Lower-Tier	1,030	631		39%			2,600		2,268				-			
32 Osha		Lower-Tier	26						2,252		1,875			-				
33 Picke		Lower-Tier	418			37%			2,947		2,947	100%		· ·		-,		
34 Scugo	•	Lower-Tier	573			34%			393		346			· ·				
35 Uxbr		Lower-Tier	399			24%			100		90			•	-			
36 Whit		Lower-Tier	161	108		33%			3,037		2,742			-	-	-/		
37 Burlin	5	Lower-Tier	486			51%			809		570							
38 Halto		Lower-Tier	678			48%			1,435		1,173			· ·		-,		
39 Milto	on	Lower-Tier	625	314	312	50%	625	314	5,889	856	5,033	85%	6 C	) (	0 0	6,515	5 5,345	5 82

Source: Neptis Foundation, Background Analysis, 2017

 PROVINCE IS LOOKING FOR INPUT IN DEVELOPING AN INDICATORS & MONITORING PROGRAM

 OPPORTUNITY FOR CLEAN AIR PARTNERSHIP AND WORKSHOP ATTENDEES TO CONTRIBUTE

### WHAT ARE MEANINGFUL INDICATORS FOR A MEANINGFUL MONITORING PROGRAM?

- WHAT IS THE RELATIONSHIP BETWEEN THE RIGHT INDICATORS AND THE RIGHT DATA SOURCE?
- WHAT IS THE TIME FRAME IS BEST?
- HOW CAN AN OPEN AND TRANSPARENT PROCESS BE ACHIEVED?
- WHAT IS NEEDED BEYOND DATA COLLECTION?
  - HOW IS TRANSPARENCY ADDRESSED?
  - CAN THE MONITORING PROGRAM BE LINKED TO ON-GOING RESEARCH NEEDED TO SUPPORT IMPLEMENTATION?

## METRO VANCOUVER AS **BEST PRACTICE** EXAMPLE

#### **metro**vancouver



Regional Growth Strategy Bylaw No.1136, 2010

### Metro Vancouver 2040 Shaping Our Future

Adopted by the Greater Vancouver Regional District Board on July 29, 2011 Updated to July 28, 2017

### **GOVERNANCE** GIVES VANCOUVER AN EDGE

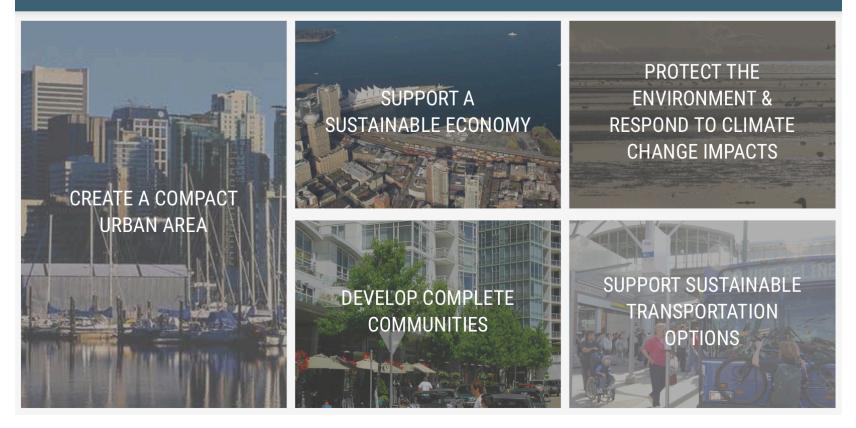
	SERVICES • BOARDS • MEDIA ROOM • EVENTS • DOING BUSINESS • ABOUT U
Regional Planning	-
Stewart, Richard (C) – Coquitlam	Penner, Darrell – Port Coquitlam
Coté, Jonathan (VC) – New Westminster	Read, Nicole – Maple Ridge
Corrigan, Derek – Burnaby	Reimer, Andrea – Vancouver
Dilworth, Diana – Port Moody	Smith, Michael – West Vancouver
Froese, Jack – Langley Township	Steele, Barbara – Surrey
Mussatto, Darrell – North Vancouver City	Steves, Harold – Richmond
Paton, Ian – Delta	
	+
Utilities	

## INDICATORS LINKED TO KEY GOALS OF PLAN

COMPACT URBA AREA STAINABLE CONOMY ENVIRONMENT & CLIMATE CHANGE

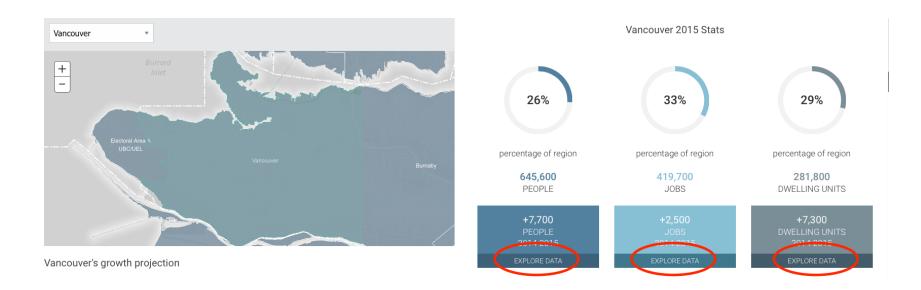
COMPLETE COMMUNITIES SUSTAINABLE TRANSPORTATION REGIONAL LAND USE DESIGNATIONS

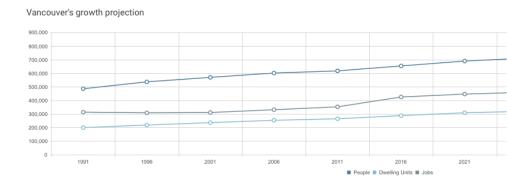
DATA DASHBOAR Q



### Source: Metro Vancouver 2040 Dashboard

### **COMMUNICATION & TRANSPARENCY CONSIDERED**

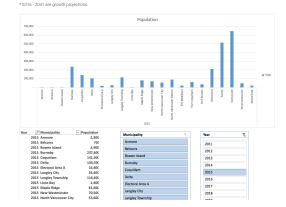




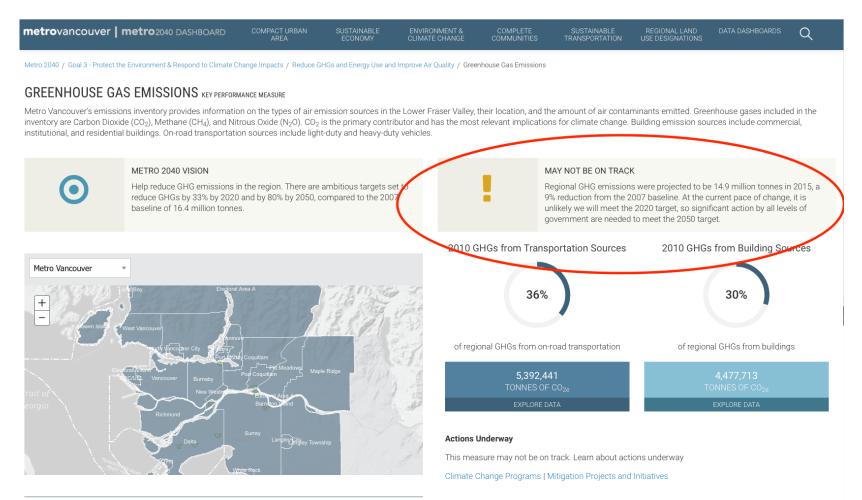
### Source: Metro Vancouver 2040 Dashboard

#### **REGIONAL GROWTH - POPULATION**

& Download the Data



## MEASURING **PROGRESS** TOWARDS GOALS



Other resources

### Source: Metro Vancouver 2040 Dashboard <sup>21</sup>

## FULL LIST OF VANCOUVER INDICATORS



Source: Metro Vancouver 2040 Dashboard

## **KEY QUESTIONS TO CONSIDER**

- WHAT CAN BE LEARNED FROM BEST PRACTICES REGARDING FUNDAMENTAL APPROACH TO MONITORING?
  - FROM METRO VANCOUVER?
  - BEST PRACTICES IN GGH OR OTHER PLACES?
- WHAT'S MISSING FROM METRO VANCOUVER INDICATORS & MONITORING PROGRAM
  - WHAT ISSUES ARE SPECIFIC TO GGH?
- HOW DO WE GO FROM INDICATORS TO DATA SETS TO FRAMEWORK THAT IS TRANSPARENT, SHAREABLE AND UNDERSTANDABLE?
  - KEY INDICATORS
  - KEY MUNICIPAL DATA SETS



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OCTOBER 20, 2017