

# THE WORLD COUNCIL ON CITY DATA

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DATA FOR CANADIAN  
CITIES PROJECT

WCCD ISO 37120

Platinum Certification

City of Markham

<http://www.dataforcities.org/>

Twitter: @WCCityData

Facebook: WCCityData

Patricia McCarney  
President and CEO

James Patava  
Vice President

# *Congratulations!*



**The City of Markham** is being awarded WCCD ISO 37120 Platinum Certification – supported by the Government of Canada – demonstrating a commitment to high calibre data and data driven planning, management and governance for a more sustainable and prosperous future.



# 37120

*1st* ISO Standard for cities

CD is implementing this  
al first in over *100 cities*  
ss 35 countries

*rkham* is joining a global  
work of data driven cities



19 themes

104 indicators



Economy



Education



Energy



Environment &  
climate change



Finance



Governance



Health



Housing



Population &  
social conditions



Recreation



Safety



Solid Waste



Sport & Culture



Telecommunication



Transportation



Urban/local agriculture  
& food security



Urban Planning



Wastewater



Water

# WCCD CERTIFICATION LEVELS



ASPIRATIONAL	BRONZE	SILVER	GOLD	PLATINUM
30-44 Core Indicators	45-59 Indicators  45 Core + 0-14 Supporting	60-74 Indicators  45 Core + 15-29 Supporting	75-89 Indicators  45 Core + 30-44 Supporting	90-104 Indicators  45 Core + 45-59 Supporting



**WCCD**

**WORLD COUNCIL  
ON CITY DATA**

@wccitydata

# THE WCCD ISO FAMILY OF STANDARDS

SUSTAINABLE DEVELOPMENT OF COMMUNITIES

ISO 37120

Indicators for City Services & Quality of Life

ISO 37122  
Indicators for  
Smart Cities

ISO 37123  
Indicators for  
Resilient Cities



WCCD

World Commission  
on Communities  
and Development



**The Data for Canadian Cities Pilot Project –  
Supported by the Ministry of Infrastructure &  
Communities**

**An Overview**

# Celebrating WCCD ISO Certification

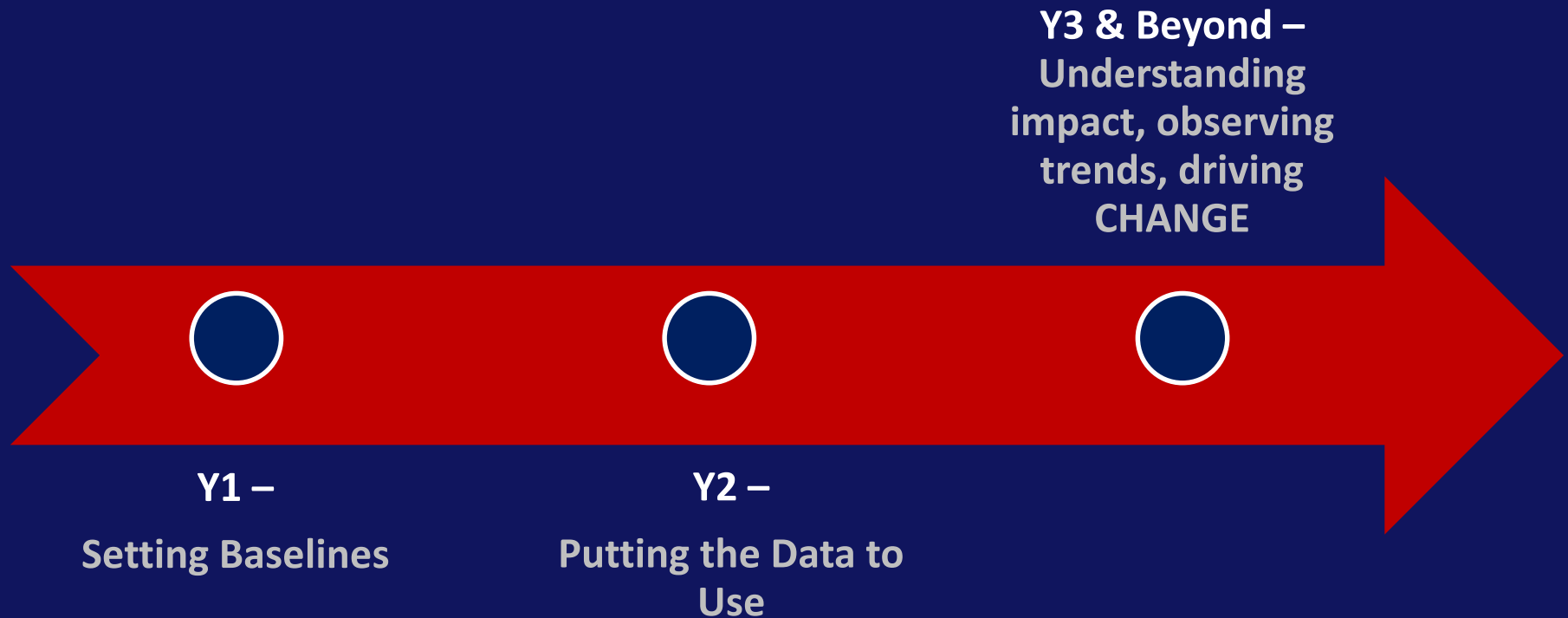
**“All communities, large and small, need good data to plan and build modern public infrastructure. Meeting global data standards is critical. Through the Data for Canadian Cities Pilot Project, in partnership with the World Council on City Data, we've been helping municipal leaders in a number of communities across Canada do just that. I am delighted that Markham has obtained the ISO standard for municipal data, this will help the City plan projects with quality data and will help guide evidence-based decision-making. Canada's infrastructure plan invests in thousands of projects, creates jobs across the country and builds stronger communities.”**

**The Hon. Catherine McKenna – Minister of Infrastructure and Communities**



# The Data for Canadian Cities Project

## Driving long-term impact, across Canada



# The WCCD and ISO 37120 Indicators help to:

- ✓ **Create Data-driven Municipalities and incentivize performance**
- ✓ **Inform and Direct Federal Spending Across The Country**
- ✓ **Showcase the impact of Federal spending to citizens and communities across the country**
- ✓ **Drive Job Creation And Economic Development**
- ✓ **Track progress by cities on our climate agenda**
- ✓ **Embrace the United Nations SDGs at a local level**

# CITY OF MARKHAM

DATA DRIVEN INSIGHTS



WCCD

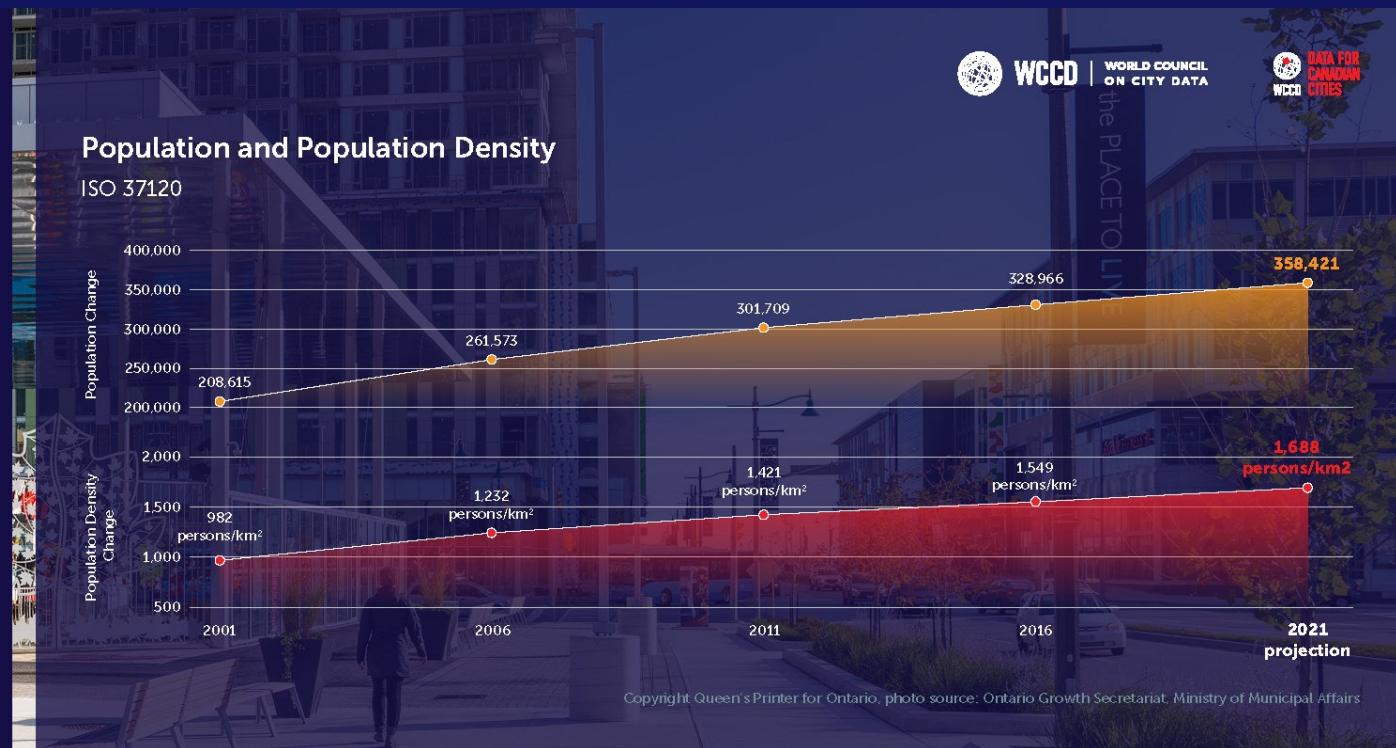
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CANADIAN  
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## DENSITY AND POPULATION CHANGE





MARKHAM: CELEBRATING  
GROWTH AND DIVERSITY

## FOREIGN BORN POPULATION



WCCD

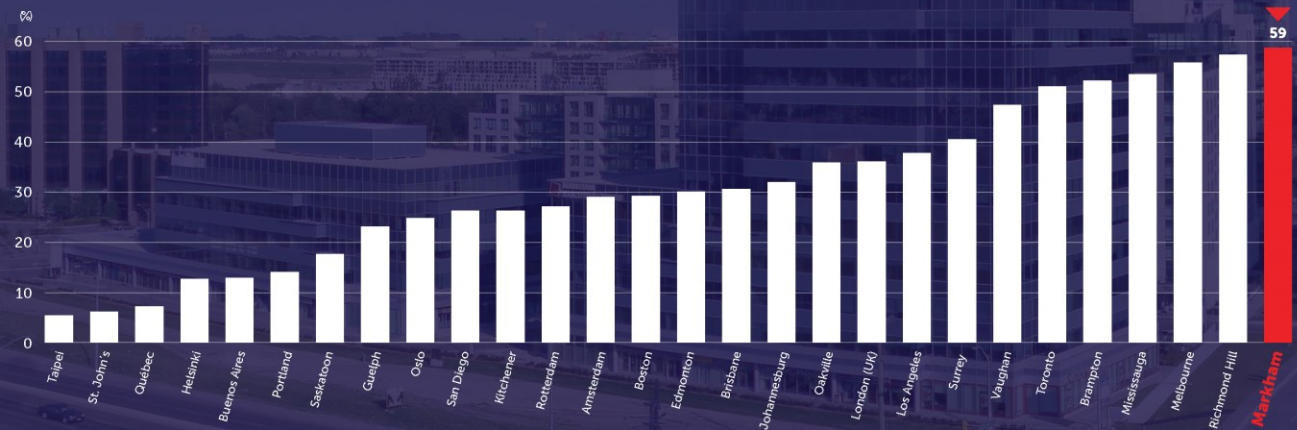
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DATA FOR  
CANADIAN  
CITIES

### Percentage of Population that are Foreign Born

ISO 37120 Profile Data 13.4.2



DATA FOR  
CANADIAN  
CITIES

WORLD COUNCIL ON CITY DATA  
1000 SHEPPARD AVENUE EAST, SUITE 200  
MARKHAM, ONTARIO L3R 9V4  
416-490-1100 | WWW.WCCD.CA

# MARKHAM

## PROTECTING AND ENHANCING THE NATURAL ENVIRONMENT



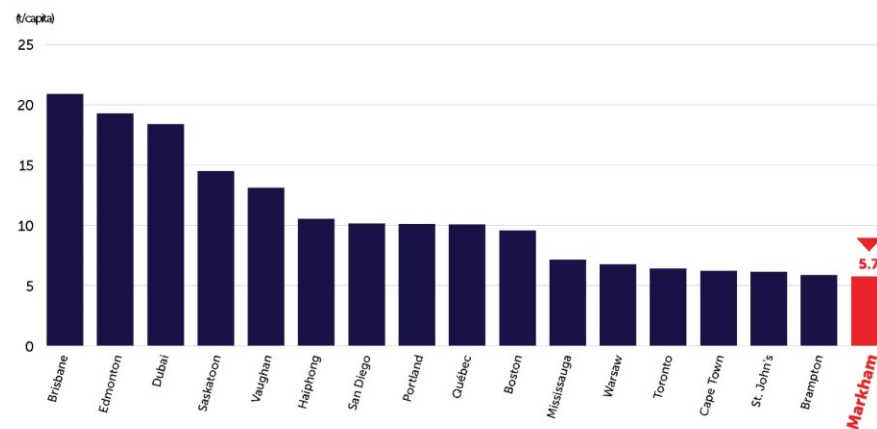
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# CLIMATE STEWARDSHIP







## MARKHAM: PROTECTING AND ENHANCING THE NATURAL ENVIRONMENT

## PRESERVING AIR QUALITY

*PM2.5 measures levels of fine particulate matter in the air, such as fine dust and soil particles, acids, metals and allergens. Health effects from high concentrations of particulate matter in the air are predominantly associated with respiratory and cardiovascular issues.*



WCCD

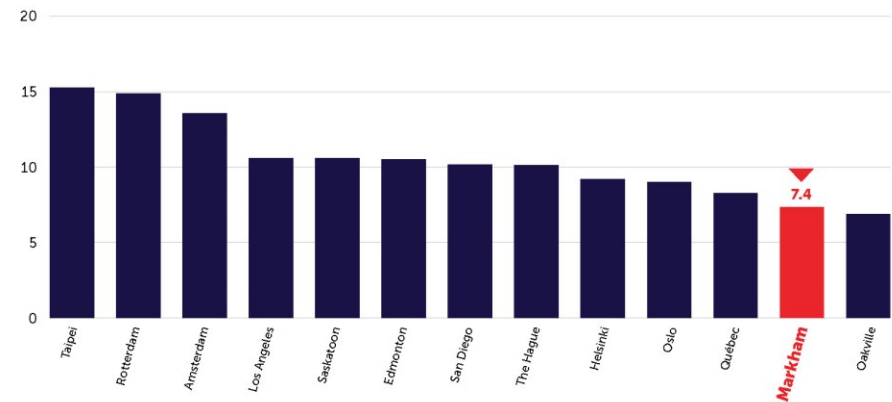
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## Fine Particulate Matter (PM2.5) Concentration

ISO 37120 Indicator 8.1







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MARKHAM: A THRIVING AND  
VIBRANT CITY

## ENCOURAGING INNOVATION

Number of New Patents per  
100 000 Population per Year

ISO 37120 Indicator 5.6



NUMBER OF NEW PATENTS IN  
MARKHAM

90

per 100 000 population per year

## ENCOURAGING INNOVATION



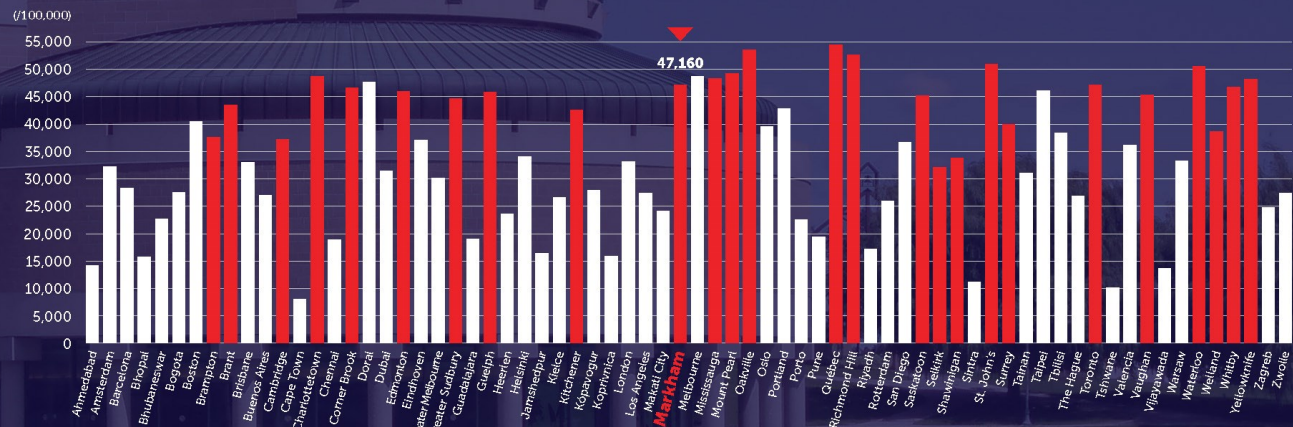
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City	Number of People
London (UK)	3
Brisbane	8
Mississauga	9
Oslo	9
Vaughan	14
Brampton	22
Edmonton	25
Amsterdam	27
Helsinki	28
Warsaw	29
Toronto	39
Los Angeles	50
Cambridge	51
Saskatoon	51
Melbourne	63
Guelph	70
<b>Markham</b>	<b>90</b>

MARKHAM: A THRIVING AND  
VIBRANT CITY

## HIGHER EDUCATION DEGREES

Number of Higher Education Degrees per 100 000 Population  
ISO 37120 Indicator 6.6



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**CITY OF MARKHAM  
WCCD ISO 37120  
PLATINUM CERTIFICATION  
THE HIGHEST LEVEL OF CERTIFICATION**



**WCCD**

**ISO 37120**



**ISO 37120**



**WORLD COUNCIL  
ON CITY DATA**



## Certificate Of Registration

ISO 37120 Sustainable Development of Communities:  
Indicators for City Services and Quality of Life

The World Council on City Data certifies that:

### MARKHAM

Has reported indicators in conformity  
with ISO 37120 at the

**Platinum Level - ISO 37120**

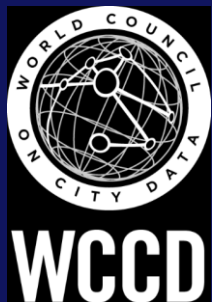
And has been added to the WCCD Global Cities Registry™

Reporting Year: **2019**

Certificate Registration Number: **2019-P-0137**

Certificate Expiry Date: **March 31st, 2021**

Patricia McCarney  
President and CEO  
World Council on City Data



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