



# WCCD

# THE WORLD COUNCIL ON CITY DATA

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## WCCD ISO 37120

## Platinum Certification

## City of Markham

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

Twitter: @WCCityData

Facebook: WCCityData

Patricia McCarney  
**President and CEO**

Justine Hamilton - Arvisais  
**Manager – City Relations  
and Special Projects**

**ISO 37120**



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**ISO 37120**



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**The City of Markham** is being awarded WCCD ISO 37120 Platinum Certification for the third year in a row – 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.



**WCCD**

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# WCCD ISO 37120 – A GLOBAL FIRST

## THE WORLD COUNCIL ON CITY DATA



# WCCD

INTERNATIONAL STANDARD  
**ISO 37120**

**Sustainable cities  
and communities**

Indicators for city services  
and quality of life

Second edition  
2018-07

Reference number ISO 37120:2018(E)  
© ISO 2018



# WCCD CERTIFICATION LEVELS

**ISO 37120**



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

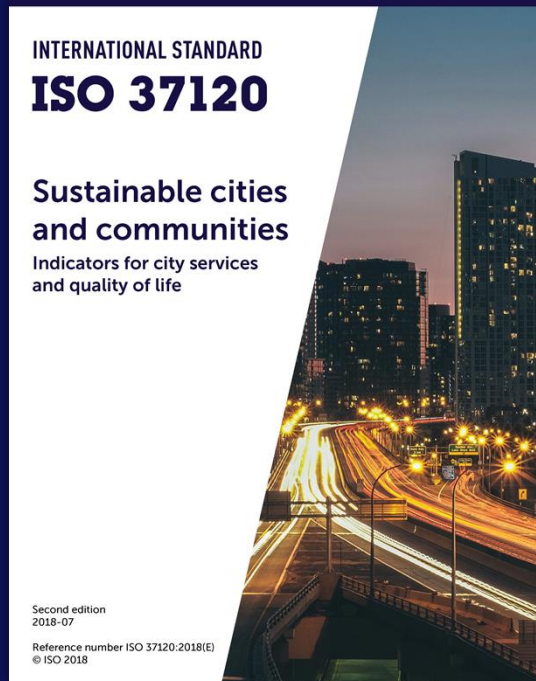


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@wccitydata

# The ISO 37120 SERIES

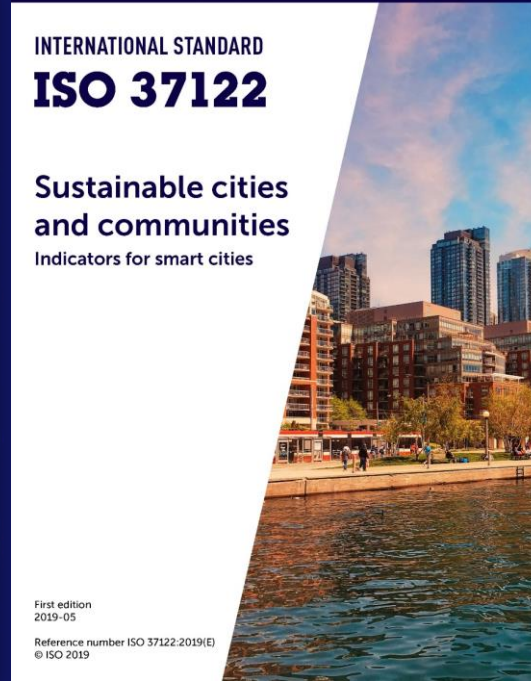


## ISO 37120

### *Indicators for City Services and Quality of Life*

The **1st** ISO Standard for cities

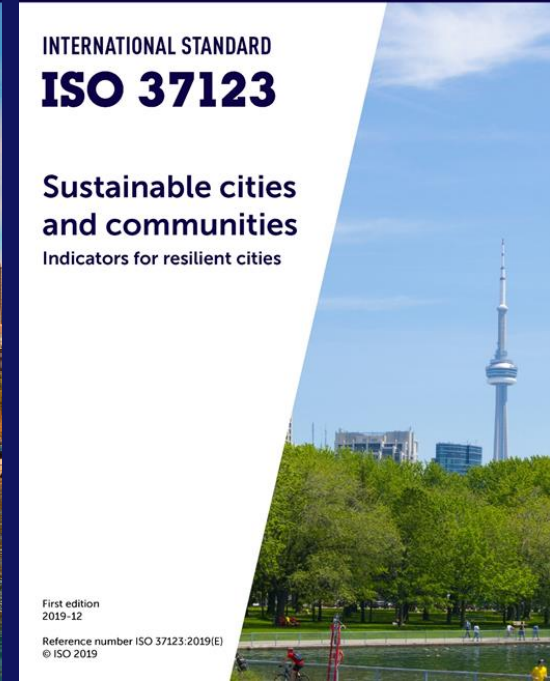
WCCD is implementing this global first in over **100 cities** across **35 countries**



## ISO 37122

### *Indicators for Smart Cities*

Cities globally are becoming early Adopters and demonstrating that **data is the essential starting point for Smart Cities**  
Tracking Data that is Citizen Focused



## ISO 37123

### *Indicators for Resilient Cities*

**Cities globally are becoming Early Adopters and demonstrating that data is instrumental in building more Resilient Cities** to plan for, and recover from, shocks and stresses



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**UNDRR**

UN Office for Disaster Risk Reduction



The ISO 37120 SERIES - ISO 37120 & ISO 37122 & ISO 37123 –  
252 KPIs with globally standardized definitions and methodologies across 19 themes

19 themes

252 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



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# How can WCCD-certified ISO data now be put to work in Markham?

## Data applications for globally standardized data



Internal Benchmarking



Global Benchmarking



Strategic Planning



Economic Development

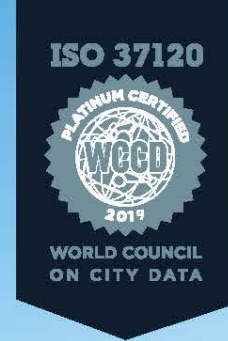


Infrastructure Investment



Localizing Global Agendas





# WCCD ISO 37120 DATA SUPPORTING THE CITY OF MARKHAM BUILDING MARKHAM'S FUTURE TOGETHER 2020-2023 STRATEGIC PLAN





# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: SAFE, SUSTAINABLE, & COMPLETE COMMUNITY

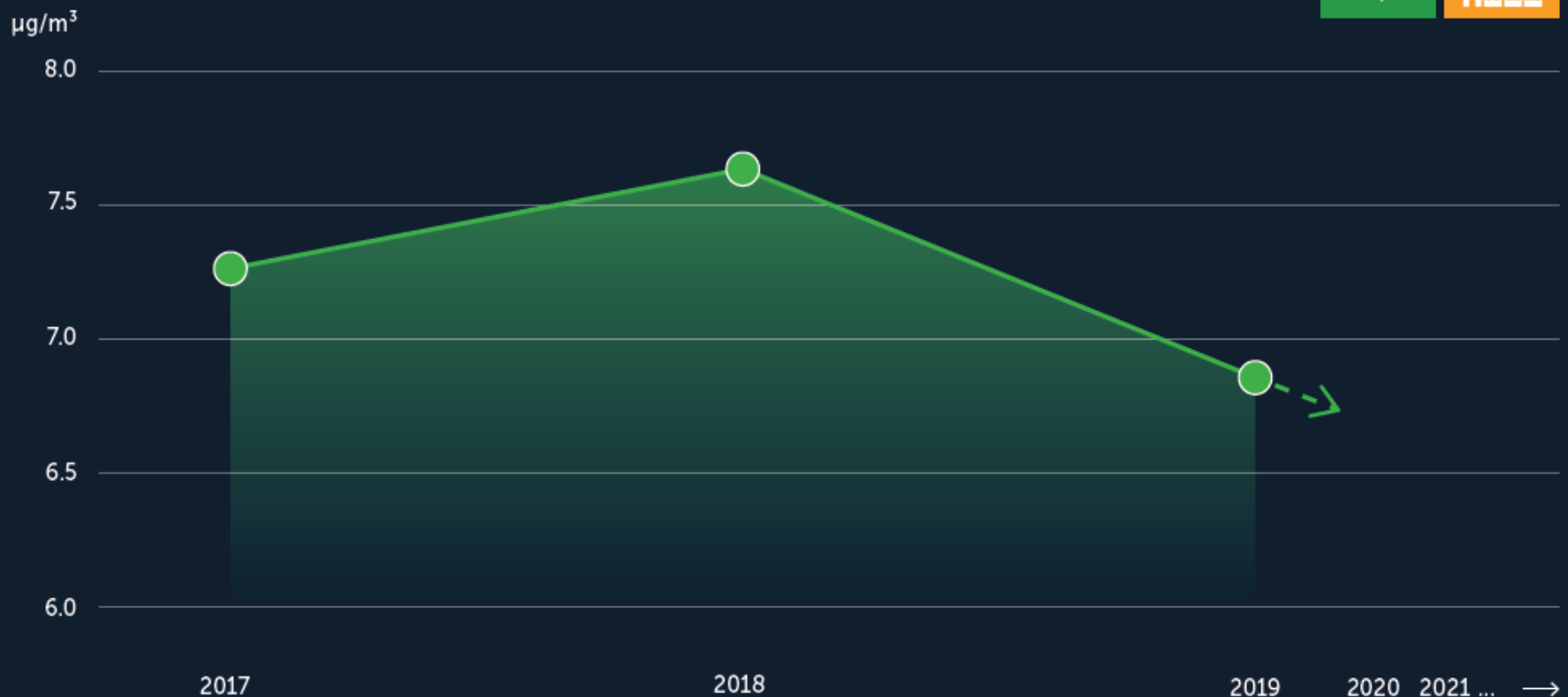
Protect and enhance our natural environment and built form

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.

UN SDGs



ISO 37120 Indicator 8.1: Fine Particulate Matter (PM2.5) Concentration ( $\mu\text{g}/\text{m}^3$ )



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# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: STEWARDSHIP OF MONEY & RESOURCES

Proactively manage our assets to maximize the return (financial, social, environmental and cultural) on taxpayer investment

ISO 37120 Indicator 7.5: Final Energy Consumption of Public Buildings per year (GJ/m<sup>2</sup>)



UN SDGs



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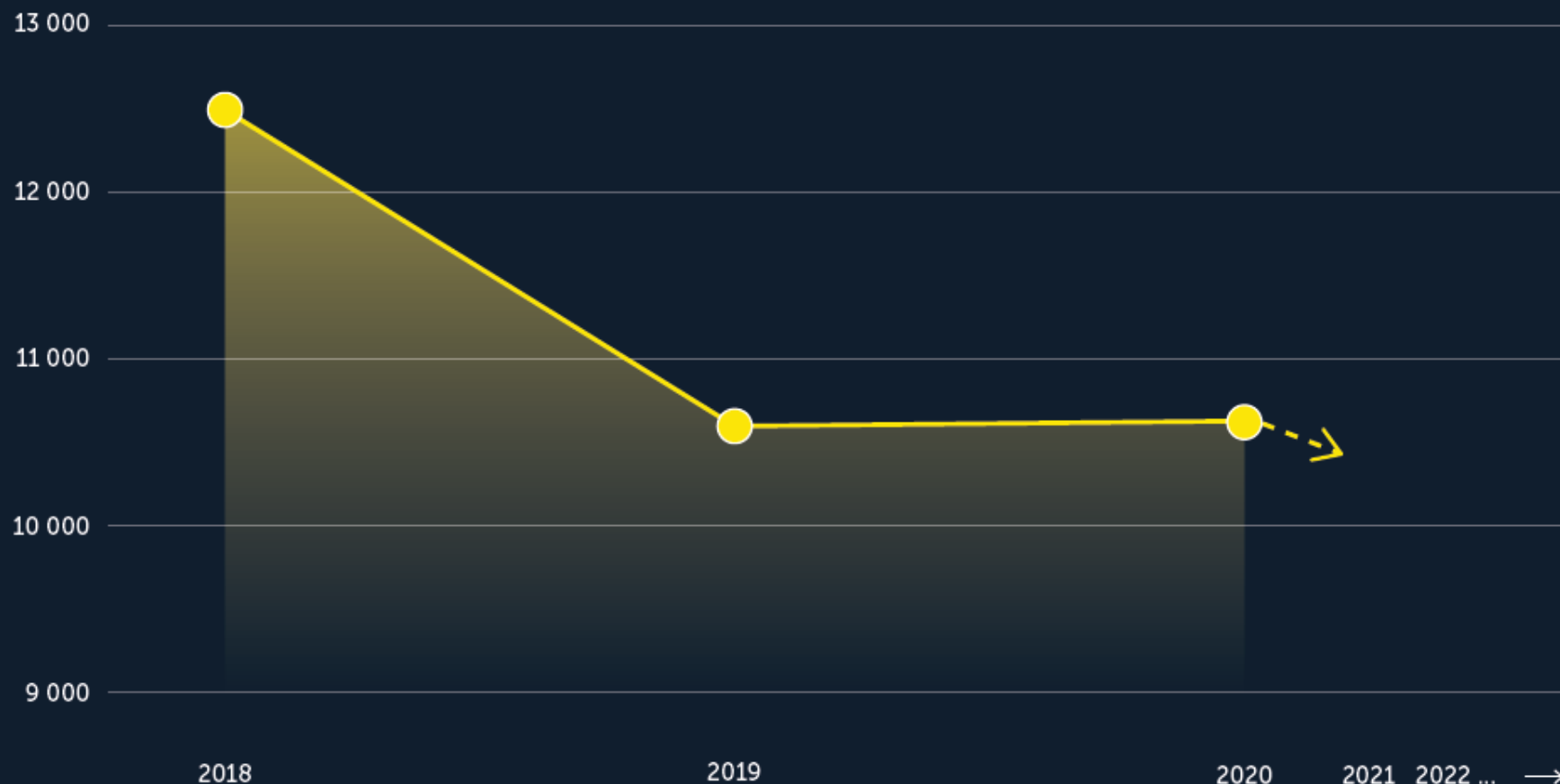


# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: STEWARDSHIP OF MONEY & RESOURCES

Proactively manage our assets to maximize the return (financial, social, environmental and cultural) on taxpayer investment

ISO 37120 Indicator 7.6: Electricity Consumption of Public Street Lighting per kilometre of Lighted Street (kWh/km/year)

kWh/km/year



UN SDGs



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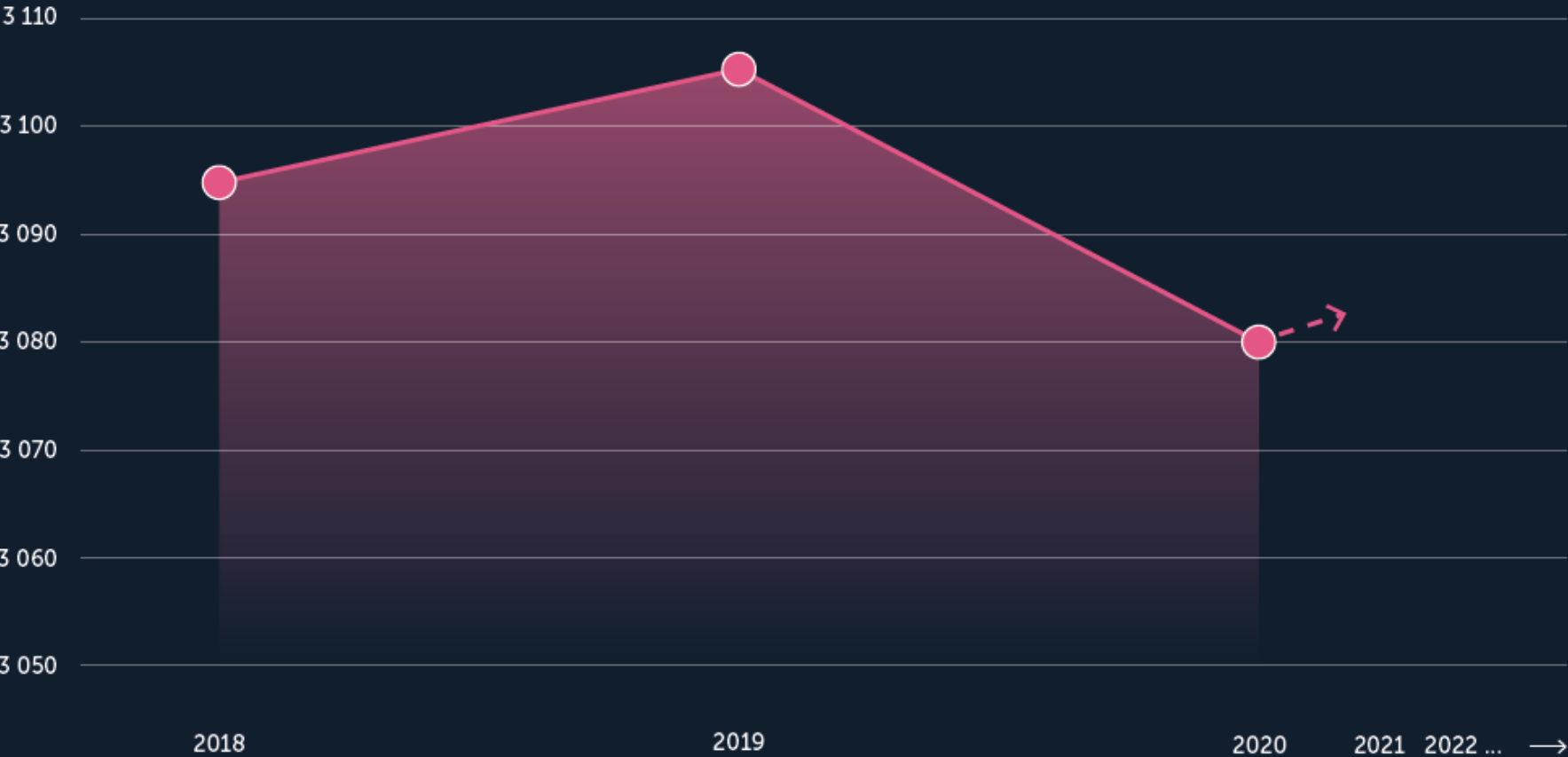
# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: ENGAGED, DIVERSE, THRIVING & VIBRANT CITY

Build Markham as the best place to live, invest, work and experience rich diversity

UN SDGs



ISO 37120 Indicator 5.5: Number of Businesses per 100 000 Population



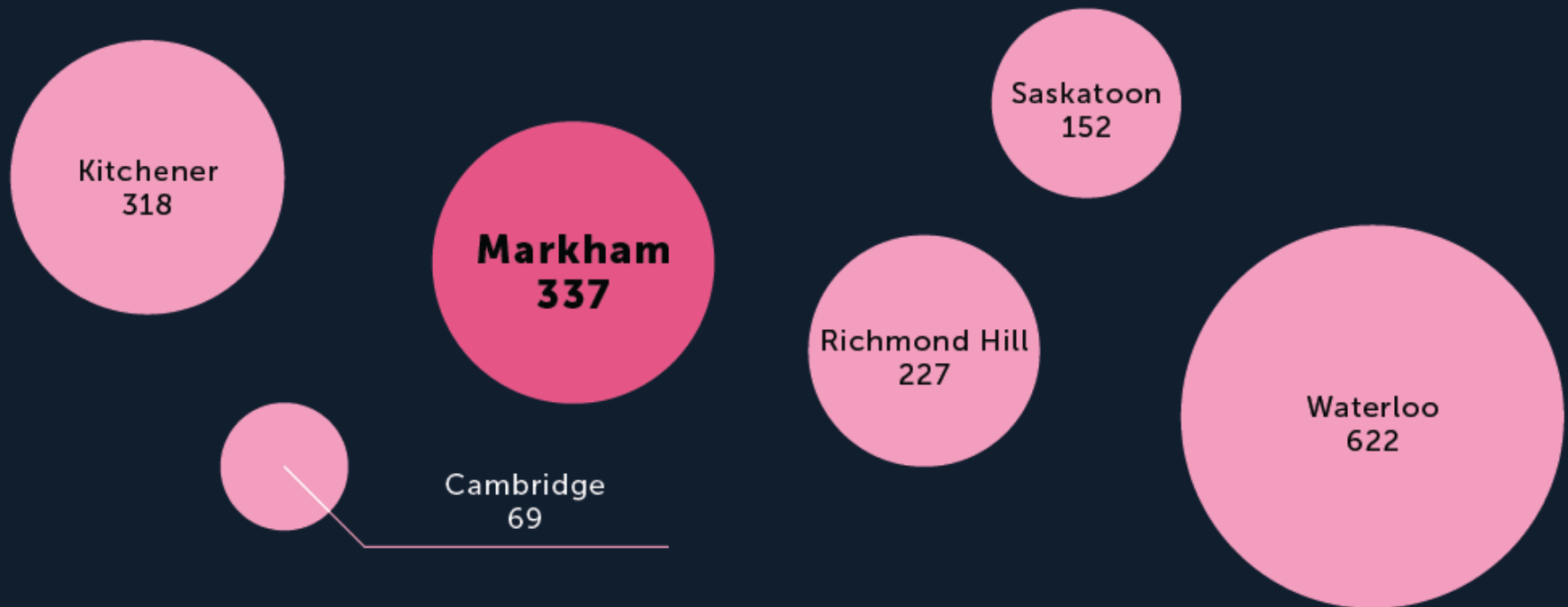


# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: ENGAGED, DIVERSE, THRIVING & VIBRANT CITY

Build Markham as the best place to live, invest, work and experience rich diversity

Number of Patents (Annual)

UN SDGs



WCCD

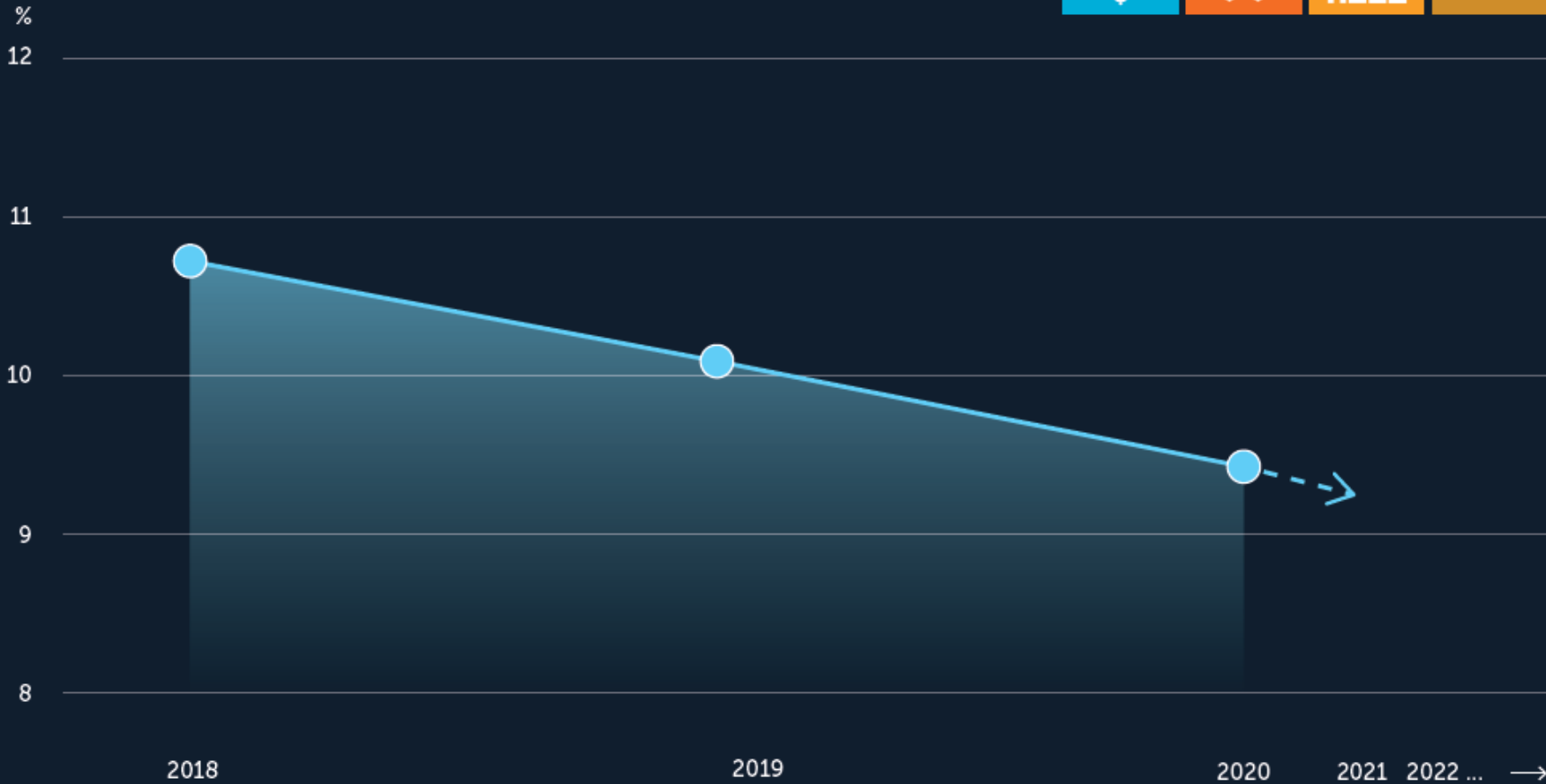
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# SUPPORTING CITY OF MARKHAM'S STRATEGIC GOALS: SAFE, SUSTAINABLE, & COMPLETE COMMUNITY

Protect and enhance our natural environment and built form

ISO 37120 Indicator 23.7: Percentage of Water Loss (Unaccounted for Water)



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



**WCCD**

**ISO 37120**

**ISO 37120**



**WORLD COUNCIL  
ON CITY DATA**

ISO 37120



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## 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: **2021**

Certificate Registration Number: **2021-P-0191**

Certificate Expiry Date: **March 31 2023**

A handwritten signature in black ink.

Patricia McCarney  
President and CEO  
World Council on City Data



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