

THE WORLD COUNCIL ON CITY DATA



WCCD

WCCD ISO 37120

Platinum Certification

City of Markham

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

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WCCD ISO 37120 – A GLOBAL FIRST

THE WORLD COUNCIL ON CITY DATA



WCCD

WCCD is implementing this global first in over **100 cities** across **40 countries**

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





CELEBRATING THE CITY OF MARKHAM: 5 YEARS OF WCCD ISO 37120 CERTIFICATION

ISO 37120



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INTERNATIONAL STANDARD
ISO 37122

**Sustainable cities
and communities**
Indicators for smart cities

First edition
2019-05

Reference number ISO 37122:2019(E)
© ISO 2019



ISO 37122

Indicators for Smart Cities

Cities leading, building data
sets that are *citizen focussed*

Demonstrating that data is the
essential starting point for
Smart Cities



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INTERNATIONAL STANDARD
ISO 37123

**Sustainable cities
and communities**
Indicators for resilient cities

First edition
2019-12

Reference number ISO 37123:2019(E)
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ISO 37123

Indicators for Resilient Cities

Partnering with **UNDRR** for a
Pilot Roll-out for selected cities

MCR 2030



Demonstrating that **Data is**
instrumental in building more
Resilient Cities



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WCCD – A Longstanding Partner of UNDRR



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UNDRR

United Nations Office for
Disaster Risk Reduction

A Core Partner of MCR 2030



**Making
Cities
Resilient**

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



Health



Sport & Culture



Education



Housing



Telecommunication



Energy



Population &
social conditions



Transportation



Environment &
climate change



Recreation



Urban/local agriculture
& food security



Finance



Safety



Urban Planning



Governance



Solid Waste



Wastewater



Water



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WCCD ISO 37125 – A NEW GLOBAL FIRST



WCCD

NEW - ESG

ISO 37125

*Environmental, Social, and Governance
Indicators for Cities*

Designed to support cities in creating data-informed **ESG Profiles** and to demonstrate commitment to Sustainable, Inclusive and Responsible Governance. Demand is growing from cities to enter the **Debt markets** and issue bonds to support their capital plans in order to build more resilient infrastructure and de-escalate risk for their citizens



WCCD | WORLD COUNCIL
ON CITY DATA

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

Data applications for globally standardized data



Economic Development



Infrastructure Investment



Localizing Global Agendas



Internal Benchmarking



Global Benchmarking



Strategic Planning



MARKHAM DATA DRIVEN INSIGHTS 2023



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ON CITY DATA

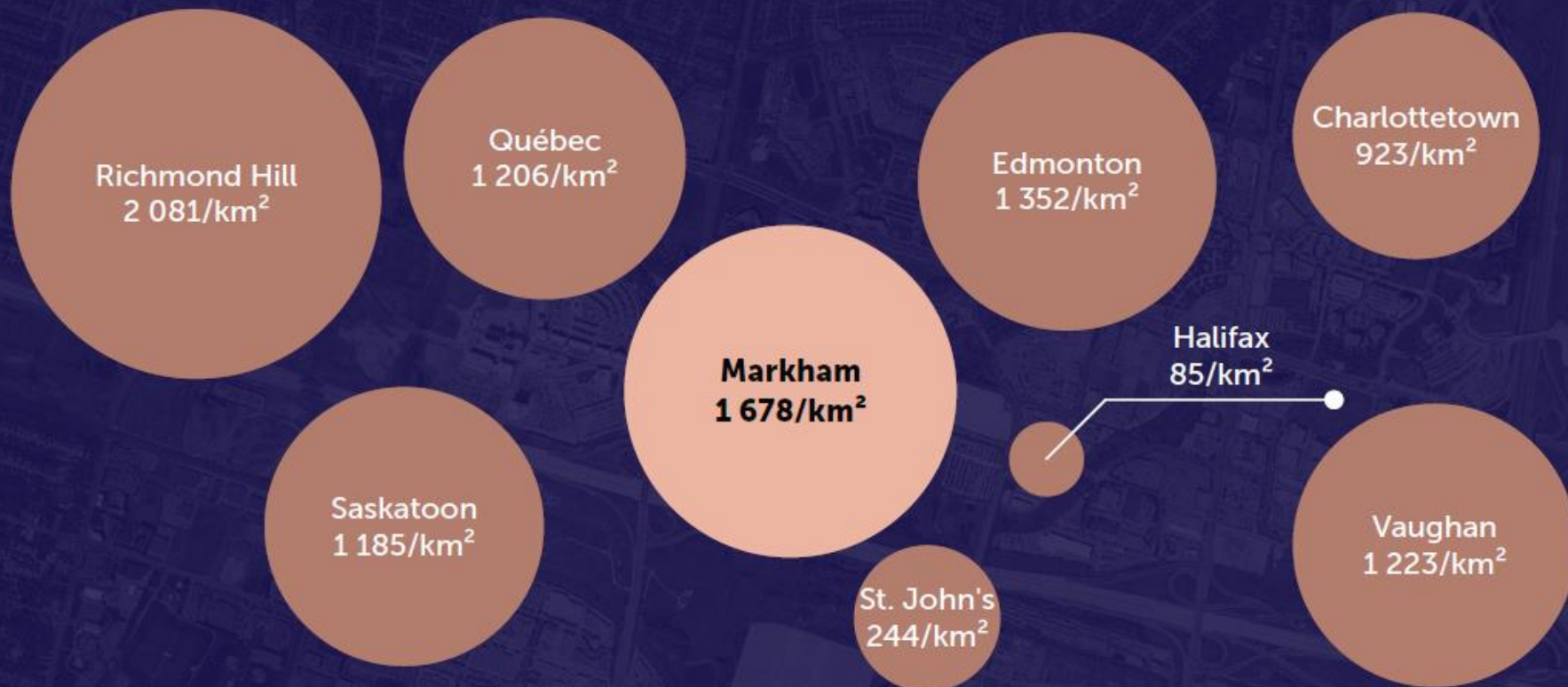
A TRAJECTORY OF SUSTAINABLE GROWTH

Population Density



A TRAJECTORY OF SUSTAINABLE GROWTH - MARKHAM IN A COMPARATIVE PERSPECTIVE

Population density (persons per square kilometre)



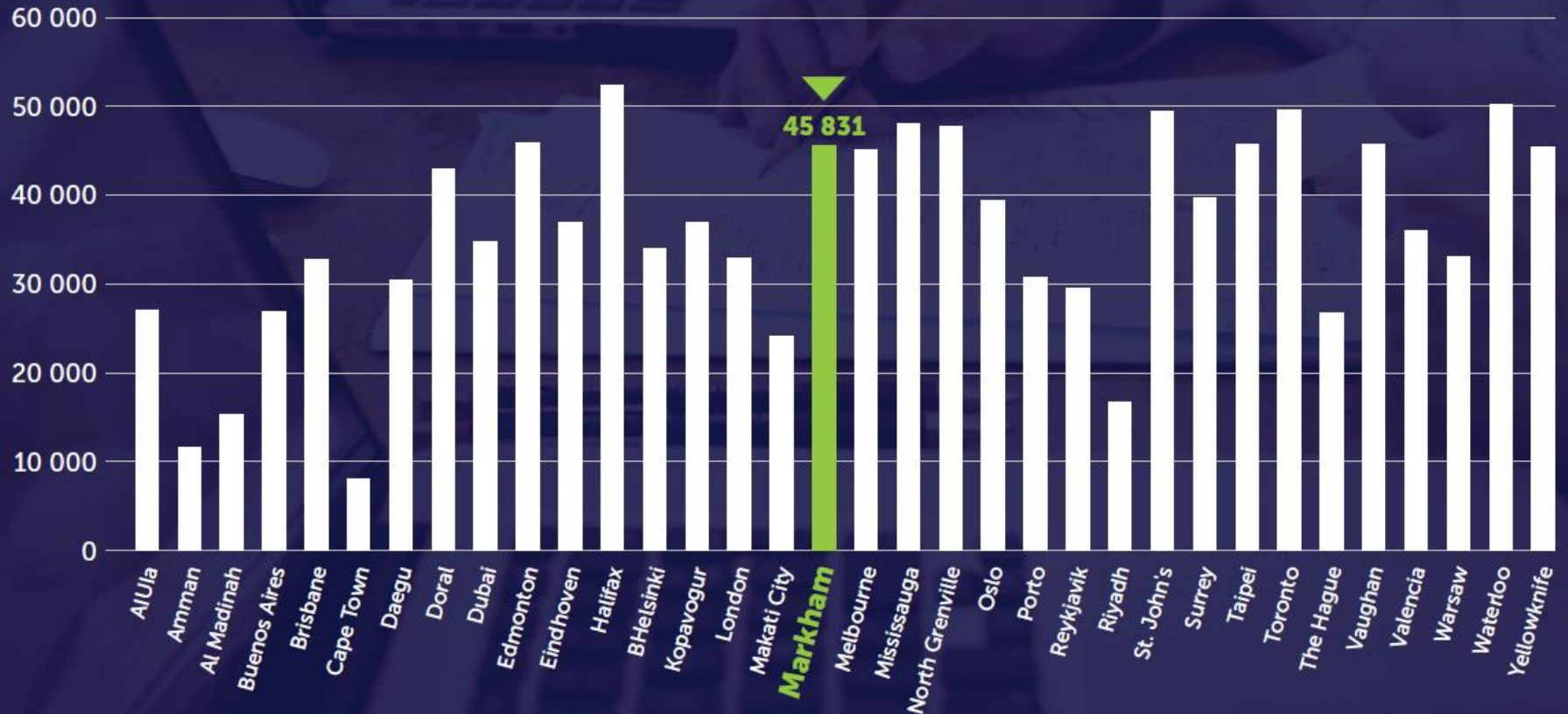
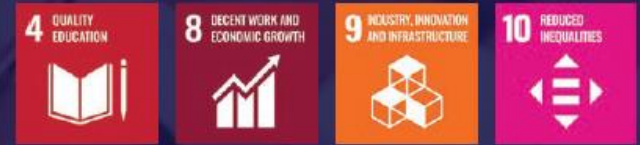
AN EDUCATED WORKFORCE

Supporting City of Markham Strategic Goals: Exceptional Services by Exceptional People

Attract and retain the right talent and invest in and empower our people to drive innovation and service excellence

Number of higher education degrees per 100 000 population

Sustainable Development Goals



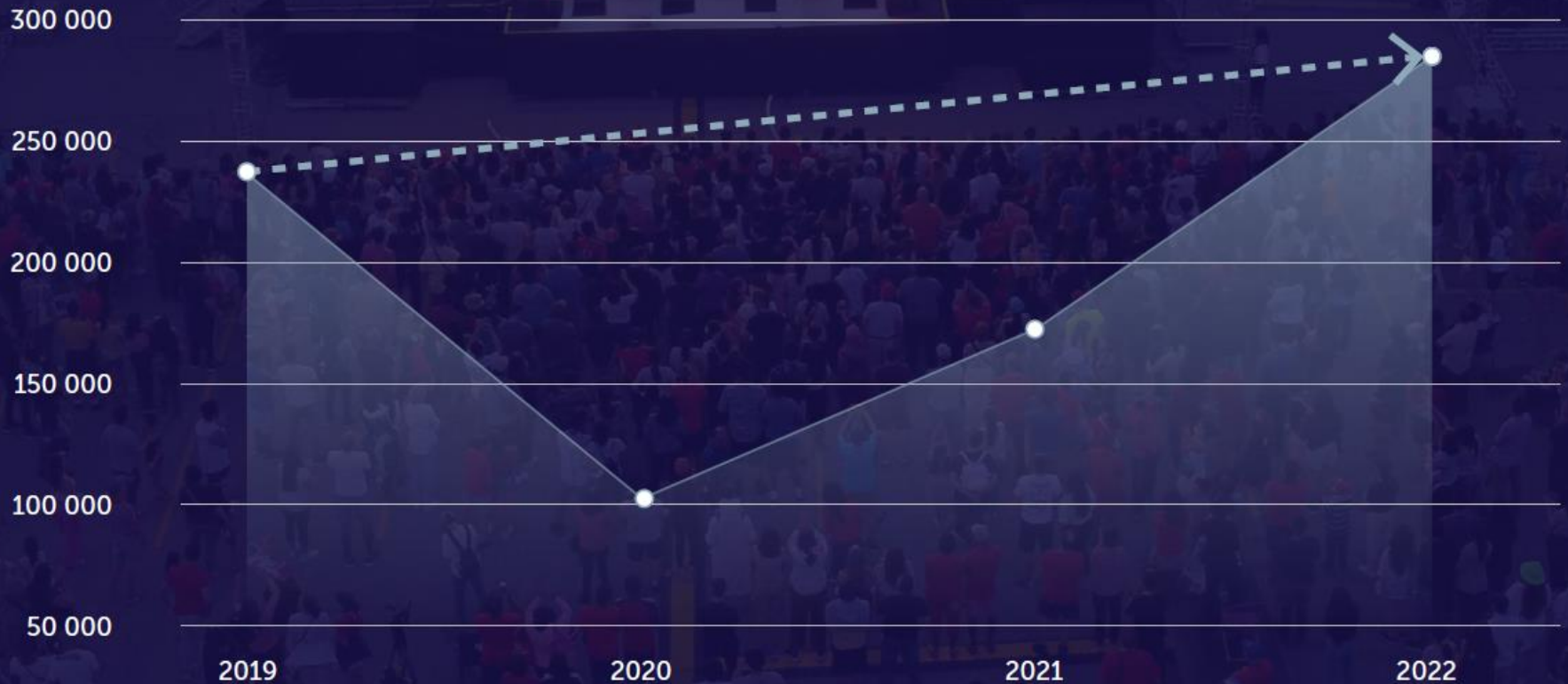
SHOWCASING ECONOMIC RESILIENCE

*Supporting City of Markham Strategic Goals: Engaged, Diverse, Thriving & Vibrant City
Build Markham as the best place to live, invest, work and experience rich diversity*

Sustainable Development Goals



Annual number of visitor stays



A WELCOMING CITY

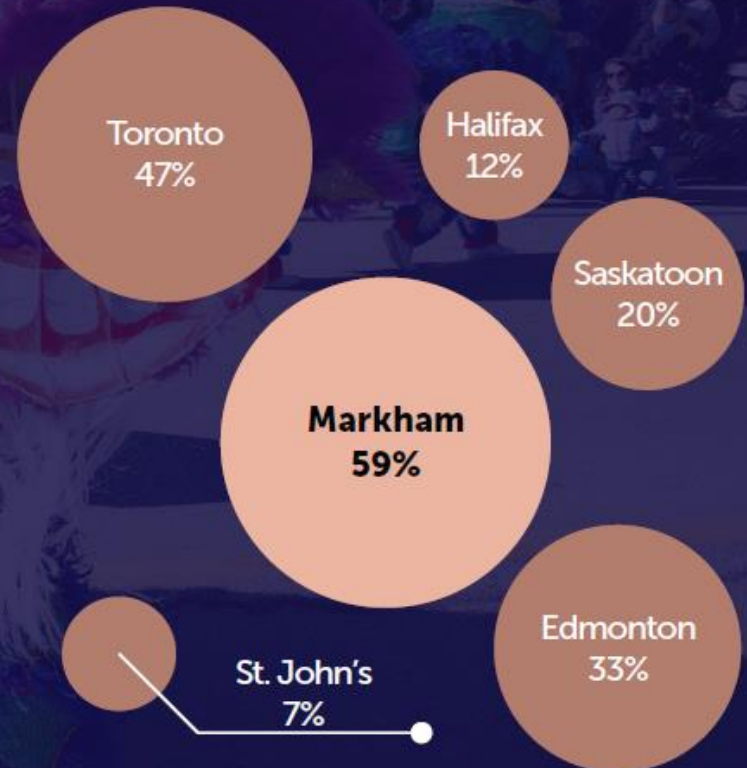
*Supporting City of Markham Strategic Goals: Engaged, Diverse, Thriving & Vibrant City
Build Markham as the best place to live, invest, work and experience rich diversity*

% of population that are new immigrants



6%

% of population that are foreign born



SHOWCASING RESPONSIBLE CONSUMPTION

Supporting City of Markham Strategic Goals: Stewardship of Money and Resources

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

Final energy consumption of public buildings per year (GJ/m²)

Sustainable Development Goals



A PLACE TO PLAY

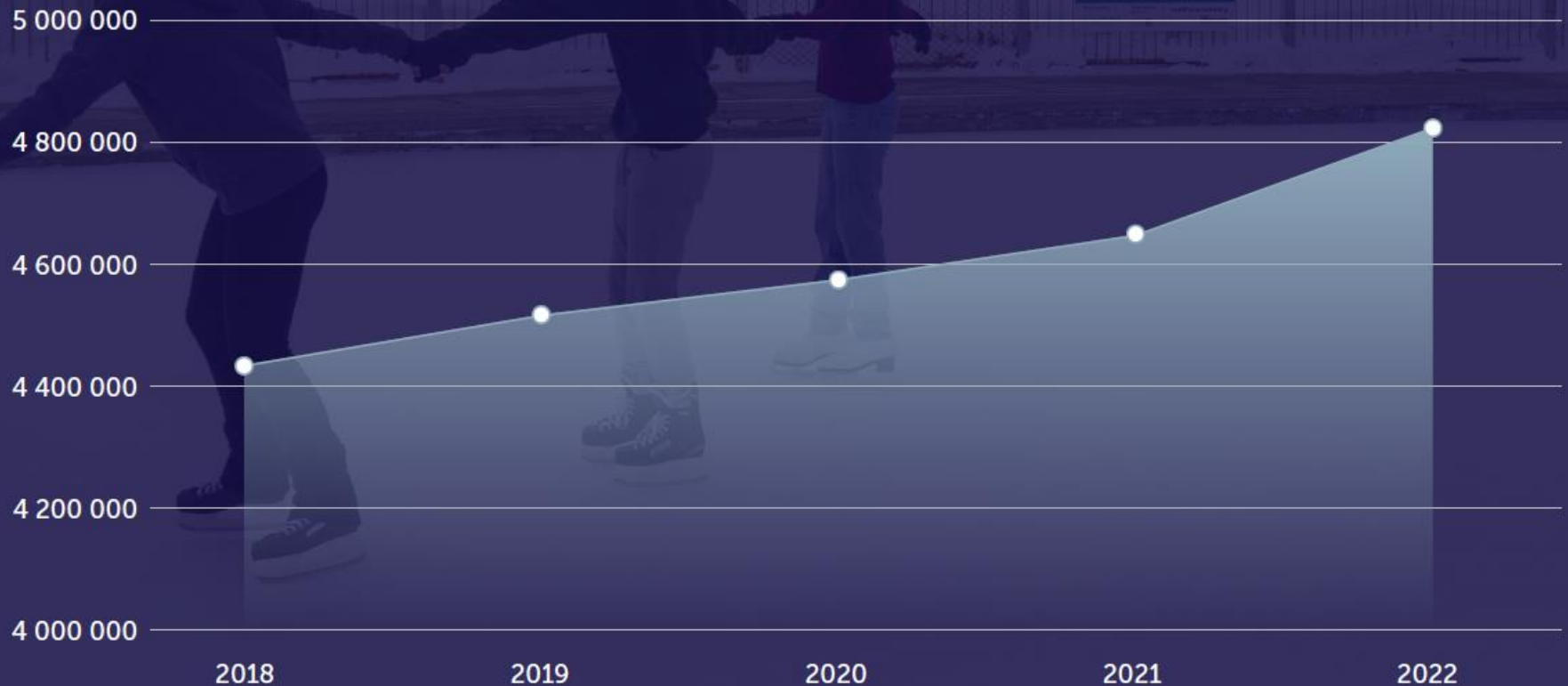
Supporting City of Markham's Strategic Goals: Engaged, Diverse, Thriving & Vibrant City

Enhance community cohesion and inclusion by creating strong neighbourhoods that are connected to the broader community

Sustainable Development Goals



Square meters of public outdoor recreation space



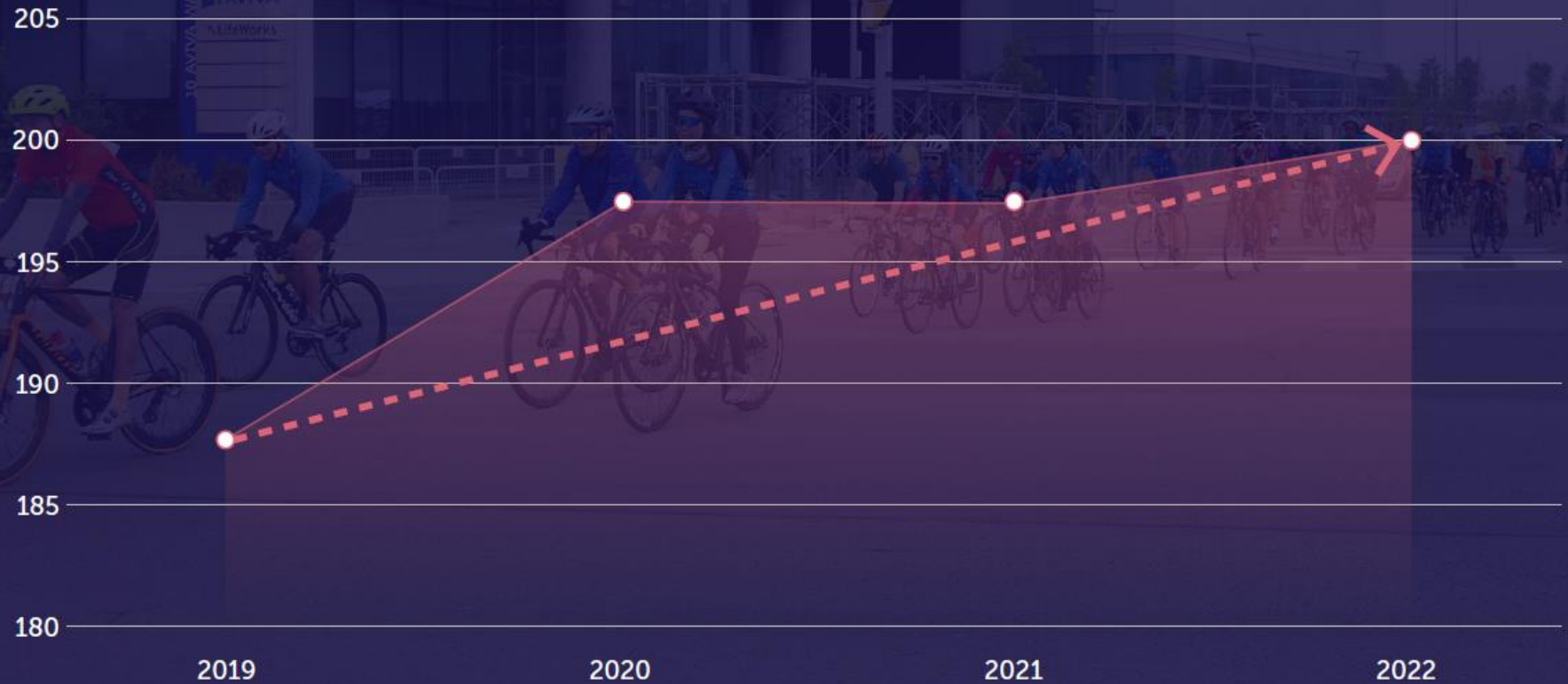
PROMOTING GREEN AND ACTIVE TRANSPORTATION

Supporting City of Markham Strategic Goals: Safe, Sustainable & Complete Communities

Build complete communities that offer a range of housing and employment opportunities, transportation options and outstanding community amenities

Kilometres of bicycle paths and lanes

Sustainable Development Goals



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



ISO 37120



**WORLD COUNCIL
ON CITY DATA**



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Congratulations!

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: **2023**

Certificate Registration Number: **2023-P-0230**

Certificate Expiry Date: **November 30, 2024**

A handwritten signature in black ink, appearing to read 'P. McCarney', positioned above a horizontal line.

Patricia McCarney
President and CEO
World Council on City Data

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