



WCCD

THE WORLD COUNCIL ON CITY DATA

WCCD ISO 37120

Certification Ceremony

City of Markham

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

Twitter: @WCCityData

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Patricia McCarney
President and CEO

Lauren Rutherford
Senior Coordinator - City Certification

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



**CITY OF MARKHAM
CELEBRATING 6 YEARS OF
WCCD ISO 37120 – INDICATORS FOR SUSTAINABLE CITIES
PLATINUM CERTIFICATIONS**

ISO 37120



**WORLD COUNCIL
ON CITY DATA**

ISO 37120



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**WORLD COUNCIL
ON CITY DATA**

ISO 37120 contains 104 indicators with globally standardized definitions and methodologies across 19 themes – all chosen and prioritized by cities across the globe

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/Rural Planning



Wastewater



Water



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How is WCCD-certified ISO data being put to work in Markham? Data applications for globally standardized data



Economic Development



Infrastructure Investment



Localizing Global Agendas



Internal Benchmarking



Global Benchmarking



Strategic Planning



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)
© ISO 2019



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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ISO 37125 – A NEW GLOBAL FIRST



Inviting World Premiere Cities

NEW – ESG
Launched November 1st 2024
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



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ON CITY DATA

CITY OF MARKHAM

DATA DRIVEN INSIGHTS



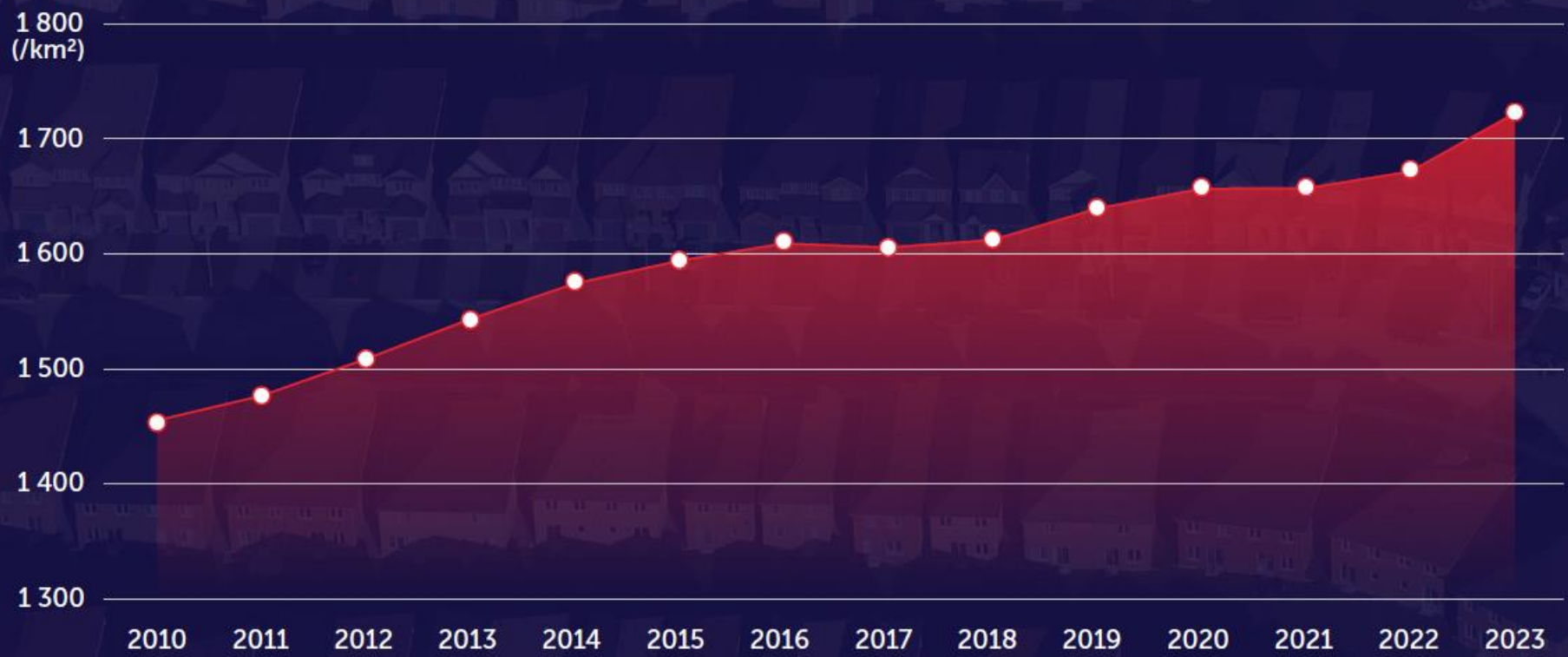
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A TRAJECTORY OF SUSTAINABLE GROWTH

Population Density

ISO 37120



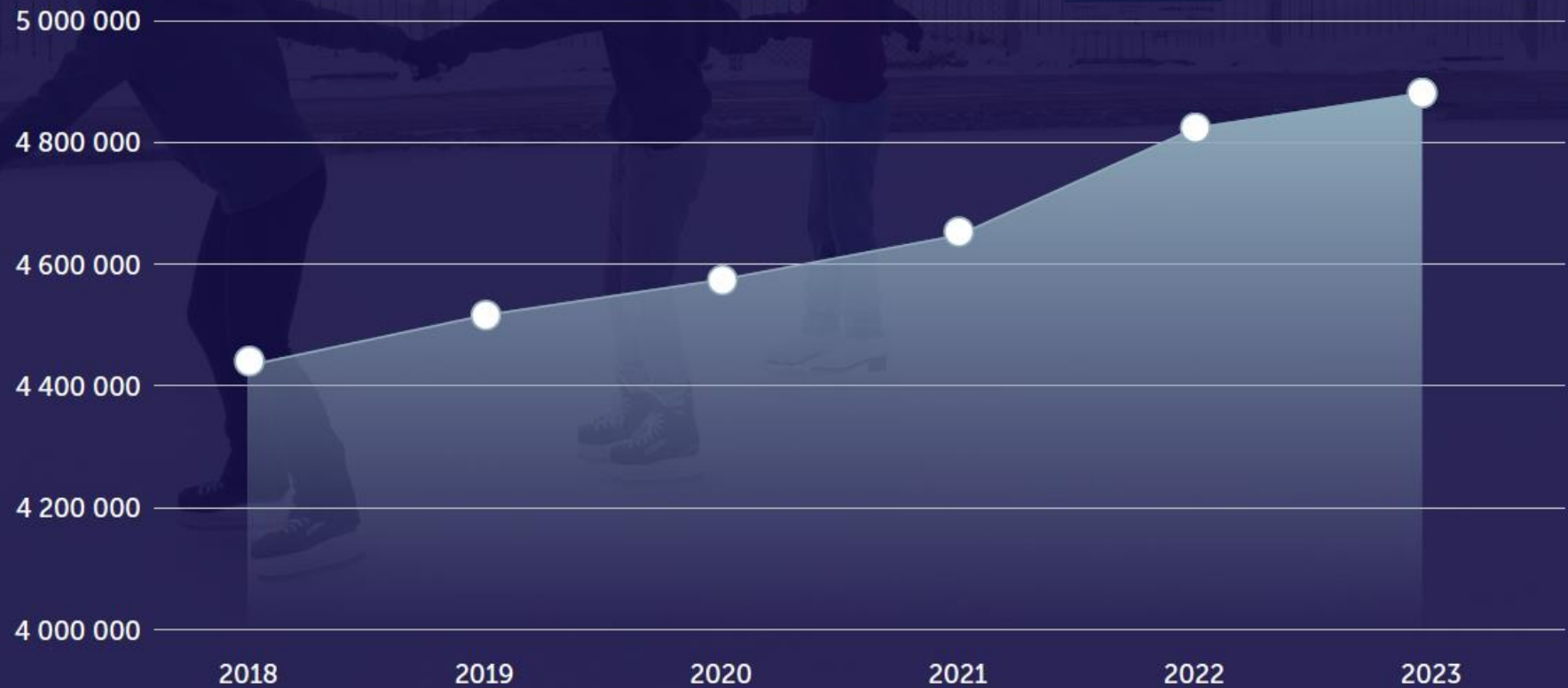
Data derived from Statistics Canada.

INVESTING IN OUTDOOR RECREATION SPACE

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

Square meters of public outdoor recreation space

ISO 37120 Indicator 14.2



PROMOTING PUBLIC TRANSIT USAGE

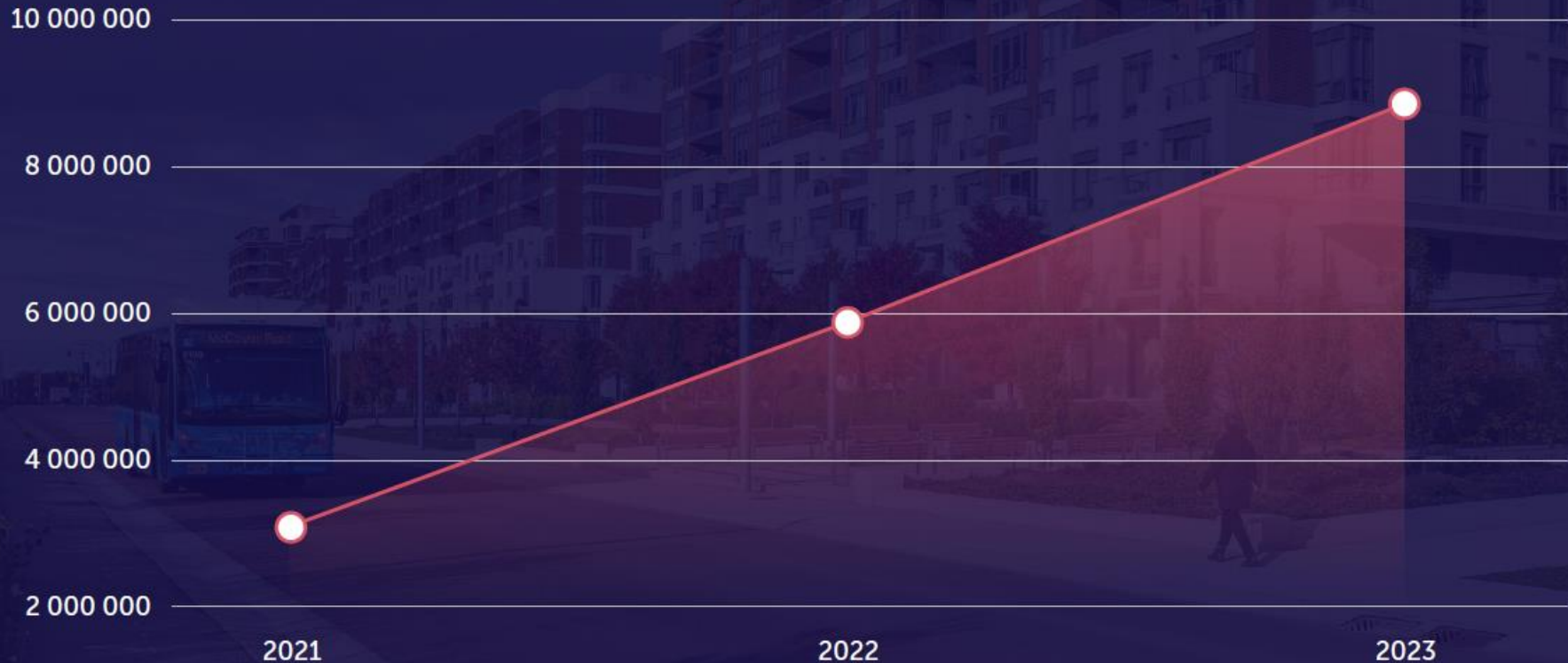
Supporting City of Markham Strategic Goals: Safe, Sustainable & Complete Communities

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

Sustainable Development Goals

Annual number of public transport trips per capita

ISO 37120 Indicator 19.2



STEWARDSHIP OF ENERGY RESOURCES

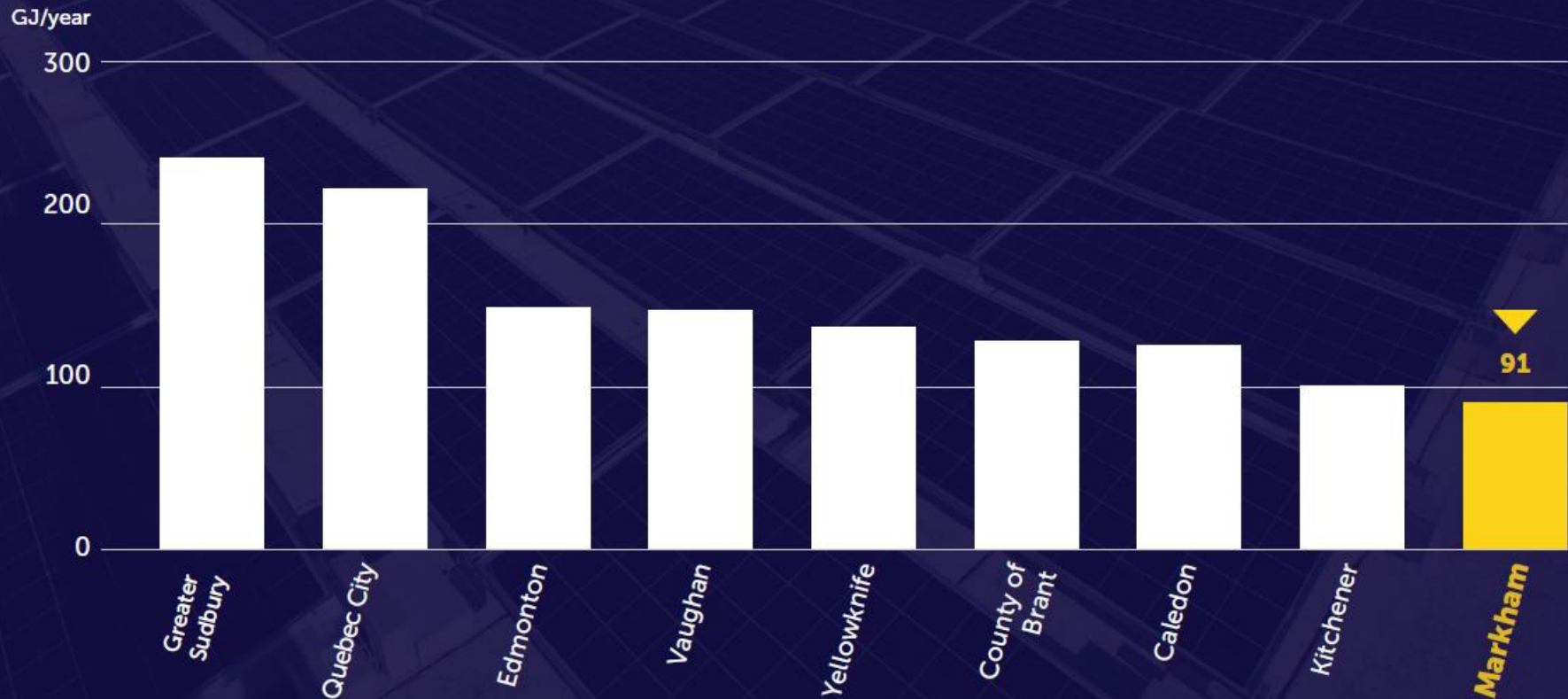
Supporting City of Markham Strategic Goals: Stewardship of Money and Resources

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

Total end-use energy consumption per capita (GJ/year)

ISO 37120 Indicator 7.1

Sustainable Development Goals



PROMOTING 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

Total water consumption per capita (litres/day)

ISO 37120 Indicator 23.5

Sustainable Development Goals



Brampton
265 litres/day

Markham
229 litres/day

Caledon
264 litres/day

Edmonton
252 litres/day

Toronto
330 litres/day

Richmond Hill
270 litres/day

CITY OF MARKHAM
WCCD ISO 37120
INDICATORS FOR SUSTAINABLE CITIES
PLATINUM CERTIFICATION
THE HIGHEST LEVEL OF CERTIFICATION



WCCD
ISO 37120

ISO 37120



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ISO 37120



WORLD COUNCIL
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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: **2024**

Certificate Registration Number: **2024-P-0246**

Certificate Expiry Date: **November 30, 2025**

A handwritten signature in black ink, appearing to read "P. McCarney".

Patricia McCarney
President and CEO
World Council on City Data



Congratulations!





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WCCD ISO 37120

Certification

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