

THE WORLD COUNCIL ON CITY DATA

WCCD ISO 37120

Platinum Certification

City of Markham

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CELEBRATING THE CITY OF MARKHAM 4 YEARS OF WCCD ISO 37120 CERTIFICATION

ISO 37120



ISO 37120



ON CITY DATA

ISO 37120



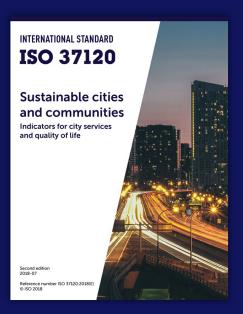
WORLD COUNCIL ON CITY DATA **ISO 37120**



ON CITY DATA

THE ISO 37120 SERIES

SUSTAINABLE

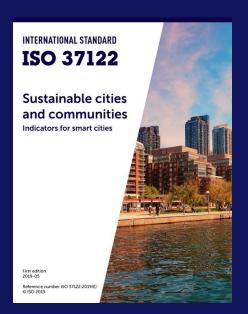


ISO 37120 Indicators for City Services and Quality of Life

The 1st ISO Standard for cities

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

SMART



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 Focussed

RESILIENT



ISO 37125
ESG
Indicators
for Cities

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





WCCD – A Longstanding Partner of UNDRR





A Core Partner of MCR 2030



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



NEW: WCCD INVESTMENT ATTRACTION TOOL

6 DOMAINS















HUMAN CAPITAL & INNOVATION

Knowledge Economy	
Number of new patents per 100 000 population per year	78
Percentage of the labour force employed in occupations in the education and research and development sectors	Not reported
Percentage of the labour force employed in occupations in the information and communication technology (ICT) sector	s Reported
Percentage of city population with professional proficiency in more than one language	Not reported
Number of science, technology, engineering and mathematics (STEM) higher education degrees per 100 000 population	Not reported
Number of higher education degrees per 100 000 population	56 669
Ovelity Education	001230003330

Quality Education

A Global Talent Pool



ECONOMIC VIBRANCY

Employment Outlook

Growth Trajectory

Land, Property, and Housing



LIVABILITY

Commitment to a Healthy Community

Citizen Well-being

Sustainable & Resilient Environment



STATE OF THE CITY

Commitment to Safety

Sound Financial Management and Good Governance



MOBILITY & CONNECTIVITY

ICT Infrastructure

Efficient Transportation



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Infrastructure Investment



Localizing Global Agendas



Internal Benchmarking



Global Benchmarking

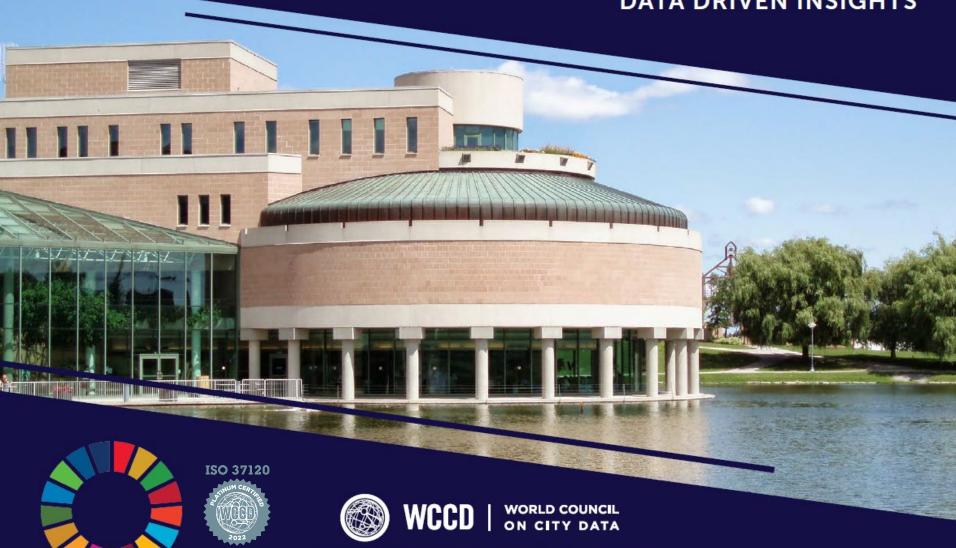


Strategic Planning



CITY OF MARKHAM

DATA DRIVEN INSIGHTS

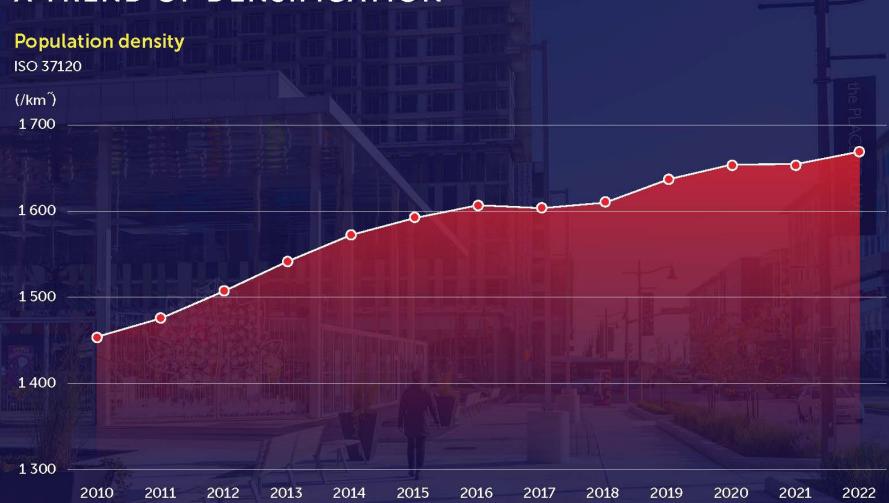


WCCD ISO 37120 Certification Year 2022



SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: SAFE, SUSTAINABLE, AND COMPLETE COMMUNITY

A TREND OF DENSIFICATION



Data derived from Statistics Canada (2021)

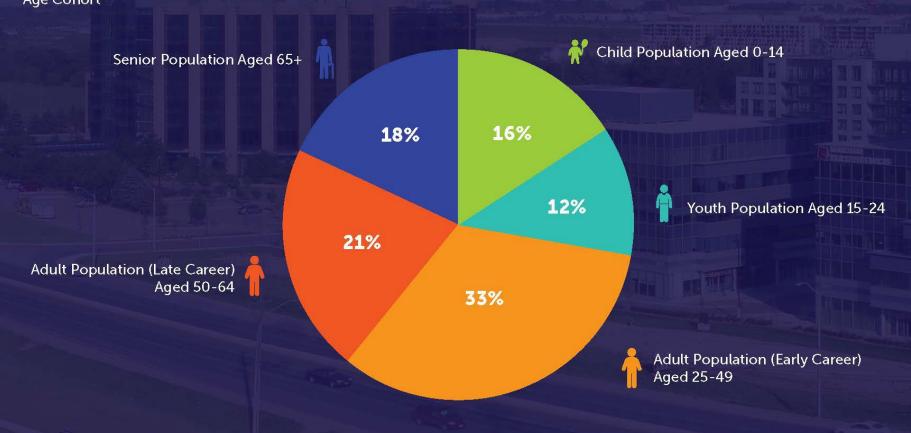


SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: ENGAGED, DIVERSE, THRIVING, AND VIBRANT CITY

A YOUTHFUL CITY

Markham demographic profile

ISO 37120 Age Cohort



Data derived from Statistics Canada



SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: ENGAGED, DIVERSE, THRIVING, AND VIBRANT CITY

BUILD MARKHAM AS THE BEST PLACE TO LIVE, INVEST, WORK AND EXPERIENCE RICH DIVERSITY

Percentage of students completing secondary education

ISO 37120 Indicator 6.3



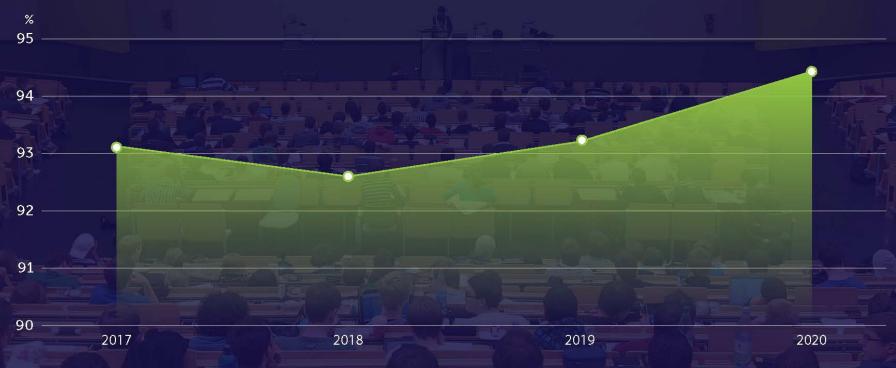






Sustainable Development Goals





Custom data provided to WCCD from the Ontario Ministry of Education



SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: STEWARDSHIP OF MONEY AND RESOURCES

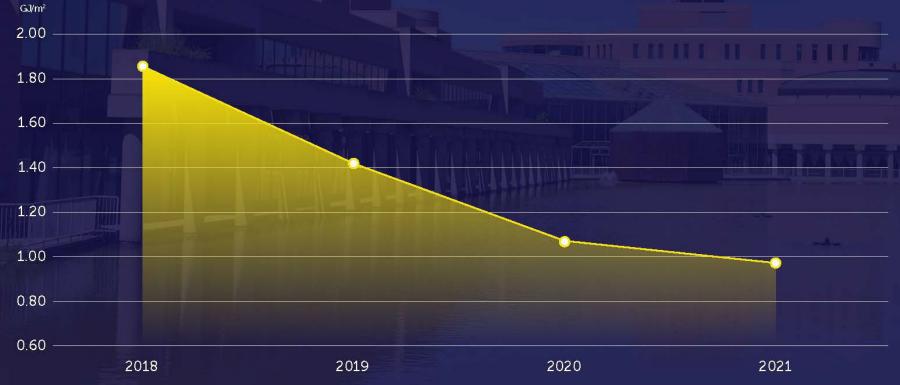
PROACTIVELY MANAGE OUR ASSETS TO MAXIMIZE THE RETURN (FINANCIAL, SOCIAL, ENVIRONMENTAL, AND CULTURAL) ON TAXPAYER **INVESTMENT**

Final energy consumption of public buildings per year (GJ/m²) ISO 37120 Indicator 7.5











SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: SAFE, SUSTAINABLE, AND 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.

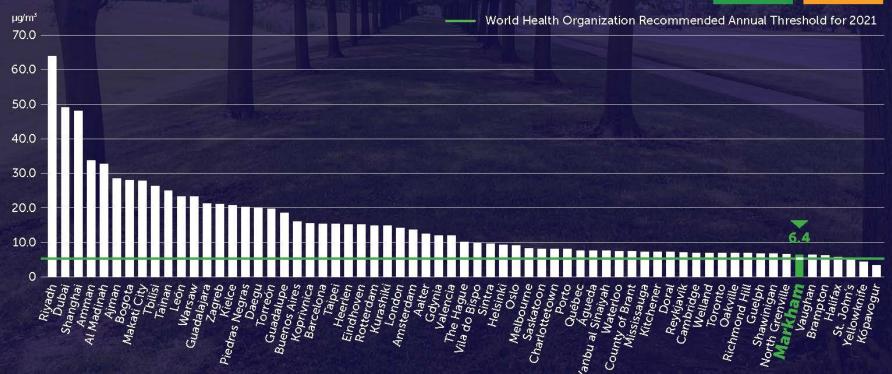
Fine Particulate Matter (PM2.5) Concentration (µg/m³)

ISO 37120 Indicator 8.1



Sustainable Development Goals







SUPPORTING CITY OF MARKHAM STRATEGIC GOALS: SAFE, SUSTAINABLE, AND COMPLETE COMMUNITY

PROTECT AND ENHANCE OUR NATURAL ENVIRONMENT AND BUILT FORM

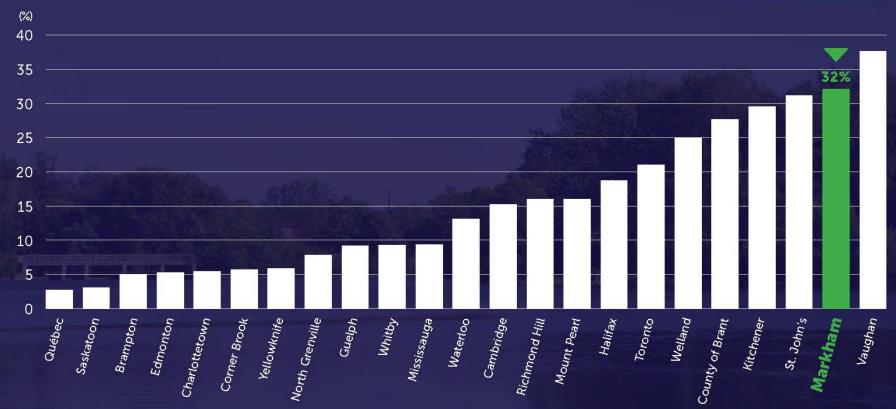
Percentage of areas designated for natural protection

ISO 37120 Indicator 8.4









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



ISO 37120 AND CERTIFIED 2022 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

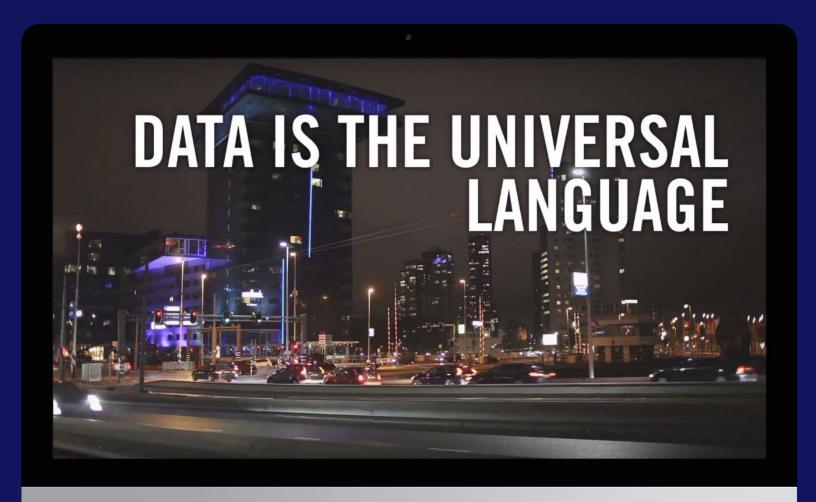
And has been added to the WCCD Global Cities Registry™

Reporting Year: 2022

Certificate Registration Number: 2022-P-0217
Certificate Expiry Date: December 31, 2023

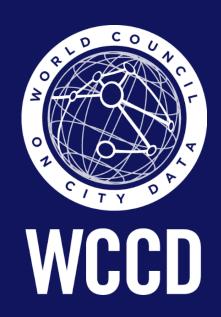
Patricia MčCarney President and CEO
World Council on City Data











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