

City of Markham

Appendix A

Theme	Indicator		Description	Value	Sourced	Source
	Core	Supporting		2019	By	
Economy	5.1		City's unemployment rate	6.00%	WCCD	Statistics Canada
		5.2	Assessed value of commercial and industrial properties as a % of total assessed value of all properties	12.59%	City	Finance
		5.3	% of persons in full employment	82.70%	WCCD	Statistics Canada
		5.4	Youth unemployment rate	12.80%	WCCD	Statistics Canada
		5.5	Number of business per 100k Population	3,106	City	Economic Development
		5.6	Number of new patents per 100k population	99.7	WCCD	United States Patent and Trademark Office
		5.7	Annual number of visitor stays (overnight) per 100k population	115,046	City	Economic Development
		5.8	Commercial air connectivity (number of non stop commercial air destinations)	341,103	WCCD	Statistics Canada
Education	6.1		% of female school aged population enrolled in schools	100.00%	WCCD	Ministry of Education, Ontario
	6.2		% of students completing primary education survival rate	100%	WCCD	Ministry of Education, Ontario
	6.3		% of students completing secondary education survival rate	92.59%	WCCD	Ministry of Education, Ontario
	6.4		Primary education students/teacher ratio	15.56	WCCD	Ministry of Education, Ontario
		6.5	% of school aged population enrolled in schools	100.00%	WCCD	Ministry of Education, Ontario
		6.6	Number of higher education degrees per 100k population	47,160	WCCD	Statistics Canada 2016 Census
Energy	7.1		Total end use energy consumption per capita (GJ/year)	66.27	City	Sustainabilty & Asset Management
	7.2		% of total end use derived from renewable sources	32.68%	City	Sustainabilty & Asset Management
	7.3		% of city population with authorized electrical service	99.11%	City	Sustainabilty & Asset Management
	7.4		Number of gas distribution service connections per 100k population	81,991	City	Sustainabilty & Asset Management
	7.5		Final energy consumption of public buildings per year (GJ/Cu.M)	1.42	City	Sustainabilty & Asset Management
		7.6	Electricity consumption of public street lighting per km of lighted street (kwh/year)	10,595	City	Operations
		7.7	Average annual number of electrical service interruptions per household (in hours)	Not Reporting		
Environment	8.1		Fine particulate matter (PM 2.5) concentration (microgram/m³)	7.6	WCCD	Ministry of the Environment
	8.2		Particulate matter (PM 10) concentration	Not reporting		
	8.3		GHG emissions measured in tonnes per capita	5.7	City	Sustainability & Asset Management
		8.4	% of areas designated for natural protection	32.39%	City	Policy & Research
		8.5	Nitrogen dioxide (NO2) concentration (microgram/m³)	19.45	WCCD	Ministry of the Environment
		8.6	Sulphur dioxide (SO2) concentration (microgram/m³)	0.68	WCCD	Ministry of the Environment
		8.7	Ozone concentration (microgram/m3)	51	WCCD	Ministry of the Environment
		8.8	Noise pollution	Not reporting		
		8.9	% change in number of native species	Not reporting		
Finance	9.1		Debt Service Ratio	0.29%	City	Finance
		9.2	Capital spending as a % of total expenditures	32.31%	City	Finance
		9.3	Own source revenues as a % of total revenue	71.74%	City	Finance

	9.4	Tax collected as a % of tax billed	97.23%	City	Finance
Governance	10.1	Women as a % of total elected to city-level office	23.07%	City	Legislative Services
	10.2	# of convictions for corruption and/or bribery by city officials per 100k population	0	City	Legislative Services & HR
	10.3	Number of registered voters as a % of the voting age population	Not reporting		
	10.4	Voter participation in last municipal election (as a % of total voters)	38.25%	City	Legislative Services
Health	11.1	Average life expectancy (years)	85.7	City	Recreation
	11.2	Number of in patient hospital beds per 100k population	111	WCCD	Canadian Institute for Health Information
	11.3	Number of physicians per 100k population	142	WCCD	Canadian Institute for Health Information
	11.4	Under age five mortality per 1,000 live births	2	WCCD	Statistics Canada
	11.5	Number of nursing and midwifery personnel per 100k population	680	WCCD	Canadian Institute for Health Information
	11.6	Suicide rate per 100k population	4.32	WCCD	Ontario Chief Coroner's Office
Housing	12.1	% of city population living in inadequate housing	14.80%	WCCD	Statistics Canada
	12.2	% of population living in affordable housing	65.71%	WCCD	Statistics Canada
	12.3	Number of homeless per 100k population	34.75	City	Policy & Research
	12.4	% of households that exist without registered legal titles	Not reporting		
Population & Social	13.1	% of city population living below international poverty line	0%	WCCD	Assumed for all Canadian cities
	13.2	% of city population living below the national poverty line	15.11%	WCCD	Statistics Canada
	13.3	Gini coefficient of inequality	0.4	WCCD	Calculated by WCCD analysts from Statistics Canada figures
Recreation	14.1	Sq. m of public indoor recreation space per capita	0.32	City	Recreation
	14.2	Sq. m of public outdoor recreation space per capita	12.7	City	Recreation
Safety	15.1	Number of firefighters per 100k population	69	City	Fire & Emergency Services
	15.2	Number of fire related deaths per 100k population	0.28	City	Fire & Emergency Services
	15.3	Number of natural hazard related deaths per 100k population	0	WCCD	Statistics Canada
	15.4	Number of police officers per 100k population	134	WCCD	Statistics Canada
	15.5	Number of homicides per 100k population	1	WCCD	Statistics Canada
	15.6	Number of volunteer and part-time firefighters per 100k population	0	City	Finance
	15.7	Response time for emergency response services from initial call (minutes and seconds)	7.77	WCCD	Ministry of Health and Long-Term Care Land Ambulance Program (Ambulance and Fire Only)
	15.8	Crime against property per 100k population	1,497	WCCD	Statistics Canada
	15.9	Number of deaths caused by industrial accidents per 100k	Not reporting		
	15.10	Number of violent crime against women per 100k population	Not reporting		
Solid Waste	16.1	% of city population with regular waste collection (residential)	100.00%	City	Environment Services
	16.2	Total municipal solid waste tonnes produced per capita	0.28	City	Environment Services
	16.3	% of the city's solid waste that is recycled	31.71%	City	Environment Services

	16.4	% of city's solid waste that is disposed of in a sanitary landfill	2.61%	City	Environment Services
	16.5	% of solid waste that is treated in energy from waste plants	16.07%	City	Environment Services
	16.6	% of city's solid waste that is biologically treated and used as compost or biogas	49.59%	City	Environment Services
	16.7	% of city's solid waste that is disposed of in an open dump	0%	City	Environment Services
	16.8	% of city's solid waste that is disposed of by other means	0%	City	Environment Services
	16.9	Hazardous waste generation per capita (tonnes)	Not reporting		
	16.10	% of city's hazardous waste that is recycled	Not reporting		
	17.1	Number of cultural institutions and sporting facilities per 100k population	160	City	Culture
	17.2	% of municipal budget allocated to cultural and sporting facilities	18.58%	City	Finance
Sports & Culture	17.3	Annual number of cultural events per 100k population (e.g. exhibitions, festivals, concerts)	24.35	City	Corporate Communications
Telecommunications	18.1	Number of internet connections per 100k population	175,364	WCCD	CRTTC and Statistics Canada
	18.2	Number of mobile connections per 100k population	91,800	WCCD	CRTTC and Statistics Canada
Transportation	19.1	Km of public transport system per 100k population	275	City	Engineering
	19.2	Annual number of public transport trips per capita	51.3	City	Engineering
	19.3	% of commuters using a travel mode to work other than a personal vehicle	14%	City	Engineering
	19.4	Km of bicycle paths and lanes per 100k population	53.55	City	Engineering
	19.5	Transportation deaths per 100k population	1.43	City	Engineering
	19.6	% of population living within 0.5km of public transit running at least every 20 min during peak periods	64%	City	Engineering
	19.7	Average commute time (in minutes)	Not Reporting		
Urban/local agriculture and food	20.1	Total urban agricultural area per 100k population Planning	1,602.01	City	Policy & Research
	20.2	Amount of food produced locally as a % of total food supplied to the City	Not reporting	WCCD	Ontario Ministry of Agriculture, Food, and Rural Affairs
	20.3	% of city population undernourished	Not reporting		
	20.4	% of city population that is overweight or obese – Body Mass Index (BMI)	47.47	WCCD	Statistics Canada
Urban Planning	21.1	Green area (hectares) per 100k population	1,404	City	Policy & Research
	21.2	Area size of informal settlements as a % of city area	Not reporting		
	21.3	Jobs/housing ratio	1.55	WCCD	Statistics Canada - 2016 Census
	21.4	Basic service proximity	97.63%	City	Policy & Research
Wastewater	22.1	% of city population served by wastewater collection	98.70%	City	Environment Services
	22.2	% of city's wastewater receiving centralized treatment	100%	City	Environment Services
	22.3	% of population with access to improved sanitation	99.89%	City	Environment Services
	22.4	Compliance rate of wastewater treatment	100%	City	Environment Services
Water	23.1	% of city population with potable water supply service	99.24%	City	Environment Services
	23.2	% of city population with sustainable access to an improved water source	100%	City	Environment Services
	23.3	Total domestic water consumption per capita (litres/day)	182	City	Environment Services
	23.4	Compliance rate of drinking water quality	99.89%	City	Environment Services

	23.5	Total water consumption per capita (litres/day)	235	City	Environment Services
	23.6	Average annual hours of water service interruption per household	Not reporting		
	23.7	% of water loss (unaccounted for water)	10.08%	City	Environment Services