

## ISO 37120: LIST OF INDICATORS

### 5 Economy

- + 5.1 City's unemployment rate (core indicator)
- + 5.2 Assessed value of commercial and industrial properties as a percentage of total assessed value of all properties (core indicator)
- + 5.3 Percentage of city population living in poverty (core indicator)
- + 5.4 Percentage of persons in full-time employment (supporting indicator)
- + 5.5 Youth unemployment rate (supporting indicator)
- + 5.6 Number of businesses per 100 000 population (supporting indicator)
- + 5.7 Number of new patents per 100 000 population per year (supporting indicator)

### 6 Education

- + 6.1 Percentage of female school-aged population enrolled in schools (core indicator)
- + 6.2 Percentage of students completing primary education: survival rate (core indicator)
- + 6.3 Percentage of students completing secondary education: survival rate (core indicator)
- + 6.4 Primary education student/teacher ratio (core indicator)
- + 6.5 Percentage of male school-aged population enrolled in schools (supporting indicator)
- + 6.6 Percentage of school-aged population enrolled in schools (supporting indicator)
- + 6.7 Number of higher education degrees per 100 000 population (supporting indicator)

### 7 Energy

- + 7.1 Total residential electrical energy use per capita (kWh/year) (core indicator)
- + 7.2 Percentage of city population with authorized electrical service (core indicator)
- + 7.3 Energy consumption of public buildings per year (kWh/m<sup>2</sup>) (core indicator)
- + 7.4 The percentage of total energy derived from renewable sources, as a share of the city's total energy consumption (core indicator)
- + 7.5 Total electrical energy use per capita (kWh/year) (supporting indicator)
- + 7.6 Average number of electrical interruptions per customer per year (supporting indicator)
- + 7.7 Average length of electrical interruptions (in hours) (supporting indicator)

### 8 Environment

- + 8.1 Fine particulate matter (PM2.5) concentration (core indicator)
- + 8.2 Particulate matter (PM10) concentration (core indicator)
- + 8.3 Greenhouse gas emissions measured in tonnes per capita (core indicator)
- + 8.4 NO<sub>2</sub> (nitrogen dioxide) concentration (supporting indicator)
- + 8.5 SO<sub>2</sub> (sulphur dioxide) concentration (supporting indicator)
- + 8.6 O<sub>3</sub> (Ozone) concentration (supporting indicator)
- + 8.7 Noise pollution (supporting indicator)
- + 8.8 Percentage change in number of native species (supporting indicator)

### 9 Finance

- + 9.1 Debt service ratio (debt service expenditure as a percentage of a municipality's own-source revenue) (core indicator)
- + 9.2 Capital spending as a percentage of total expenditures (supporting indicator)
- + 9.3 Own-source revenue as a percentage of total revenues (supporting indicator)
- + 9.4 Tax collected as a percentage of tax billed (supporting indicator)

### 10 Fire and emergency response

- + 10.1 Number of firefighters per 100 000 population (core indicator)
- + 10.2 Number of fire related deaths per 100 000 population (core indicator)
- + 10.3 Number of natural disaster related deaths per 100 000 population (core indicator)
- + 10.4 Number of volunteer and part-time firefighters per 100 000 population (supporting indicator)
- + 10.5 Response time for emergency response services from initial call (supporting indicator)
- + 10.6 Response time for fire department from initial call (supporting indicator)

### 11 Governance

- + 11.1 Voter participation in last municipal election (as a percentage of eligible voters) (core indicator)
- + 11.2 Women as a percentage of total elected to city-level office (core indicator)
- + 11.3 Percentage of women employed in the city government workforce (supporting indicator)
- + 11.4 Number of convictions for corruption and/or bribery by city officials per 100 000 population (supporting indicator)
- + 11.5 Citizens' representation: number of local officials elected to office per 100 000 population (supporting indicator)
- + 11.6 Number of registered voters as a percentage of the voting age population (supporting indicator)

- [-] 12 Health
  - [+] 12.1 Average life expectancy (core indicator)
  - [+] 12.2 Number of in-patient hospital beds per 100 000 population (core indicator)
  - [+] 12.3 Number of physicians per 100 000 population (core indicator)
  - [+] 12.4 Under age five mortality per 1 000 live births (core indicator)
  - [+] 12.5 Number of nursing and midwifery personnel per 100 000 population (supporting indicator)
  - [+] 12.6 Number of mental health practitioners per 100 000 population (supporting indicator)
  - [+] 12.7 Suicide rate per 100 000 population (supporting indicator)
- [-] 13 Recreation
  - [+] 13.1 Square meters of public indoor recreation space per capita (supporting indicator)
  - [+] 13.2 Square meters of public outdoor recreation space per capita (supporting indicator)
- [-] 14 Safety
  - [+] 14.1 Number of police officers per 100 000 population (core indicator)
  - [+] 14.2 Number of homicides per 100 000 population (core indicator)
  - [+] 14.3 Crimes against property per 100 000 (supporting indicator)
  - [+] 14.4 Response time for police department from initial call (supporting indicator)
  - [+] 14.5 Violent crime rate per 100 000 population (supporting indicator)
- [-] 15 Shelter
  - [+] 15.1 Percentage of city population living in slums (core indicator)
  - [+] 15.2 Number of homeless per 100 000 population (supporting indicator)
  - [+] 15.3 Percentage of households that exist without registered legal titles (supporting indicator)
- [-] 16 Solid waste
  - [+] 16.1 Percentage of city population with regular solid waste collection (residential) (core indicator)
  - [+] 16.2 Total collected municipal solid waste per capita (core indicator)
  - [+] 16.3 Percentage of the city's solid waste that is recycled (core indicator)
  - [+] 16.4 Percentage of the city's solid waste that is disposed of in a sanitary landfill (supporting indicator)
  - [+] 16.5 Percentage of the city's solid waste that is disposed of in an incinerator (supporting indicator)
  - [+] 16.6 Percentage of the city's solid waste that is burned openly (supporting indicator)
  - [+] 16.7 Percentage of the city's solid waste that is disposed of in an open dump (supporting indicator)
  - [+] 16.8 Percentage of the city's solid waste that is disposed of by other means (supporting indicator)
  - [+] 16.9 Hazardous Waste Generation per capita (tonnes) (supporting indicator)
  - [+] 16.10 Percentage of the city's hazardous waste that is recycled (supporting indicator)
- [-] 17 Telecommunication and innovation
  - [+] 17.1 Number of internet connections per 100 000 population (core indicator)
  - [+] 17.2 Number of cell phone connections per 100 000 population (core indicator)
  - [+] 17.3 Number of landline phone connections per 100 000 population (supporting indicator)
- [-] 18 Transportation
  - [+] 18.1 Kilometres of high capacity public transport system per 100 000 population (core indicator)
  - [+] 18.2 Kilometres of light passenger public transport system per 100 000 population (core indicator)
  - [+] 18.3 Annual number of public transport trips per capita (core indicator)
  - [+] 18.4 Number of personal automobiles per capita (core indicator)
  - [+] 18.5 Percentage of commuters using a travel mode to work other than a personal vehicle (supporting indicator)
  - [+] 18.6 Number of two-wheel motorized vehicles per capita (supporting indicator)
  - [+] 18.7 Kilometres of bicycle paths and lanes per 100 000 population (supporting indicator)
  - [+] 18.8 Transportation fatalities per 100 000 population (supporting indicator)
  - [+] 18.9 Commercial air connectivity (number of non-stop commercial air destinations) (supporting indicator)

- [-] 19 Urban planning
  - [+] 19.1 Green area (hectares) per 100 000 population (core indicator)
  - [+] 19.2 Annual number of trees planted per 100 000 population (supporting indicator)
  - [+] 19.3 Areal size of informal settlements as a percentage of city area (supporting indicator)
  - [+] 19.4 Jobs/housing ratio (supporting indicator)
- [-] 20 Wastewater
  - [+] 20.1 Percentage of city population served by wastewater collection (core indicator)
  - [+] 20.2 Percentage of the city's wastewater that has received no treatment (core indicator)
  - [+] 20.3 Percentage of the city's wastewater receiving primary treatment (core indicator)
  - [+] 20.4 Percentage of the city's wastewater receiving secondary treatment (core indicator)
  - [+] 20.5 Percentage of the city's wastewater receiving tertiary treatment (core indicator)
- [-] 21 Water and sanitation
  - [+] 21.1 Percentage of city population with potable water supply service (core indicator)
  - [+] 21.2 Percentage of city population with sustainable access to an improved water source (core indicator)
  - [+] 21.3 Percentage of population with access to improved sanitation (core indicator)
  - [+] 21.4 Total domestic water consumption per capita (litres/day) (core indicator)
  - [+] 21.5 Total water consumption per capita (litres/day) (supporting indicator)
  - [+] 21.6 Average annual hours of water service interruption per household (supporting indicator)
  - [+] 21.7 Percentage of water loss (unaccounted for water) (supporting indicator)