











GCIF Indicators





Core Indicators – 32









Supporting Indicators – 27

Indices – 7

<u>Theme</u>	<u>Global City Indicators</u>	<u>Future Indicators – under discussion</u>
City Services		
Education 	<ol style="list-style-type: none"> 1. ** Percentage of children completing primary and secondary education: survival rate 2. ** Percentage of school-aged children enrolled in schools by gender 3. Student/teacher ratio 	<ol style="list-style-type: none"> I. Number of libraries per 100,00 population II. Number of visits to library per 100,000 population III. Performance on standardized tests IV. Number of institutions of higher learning within 500km V. Percentage of city population enrolled in institutions of higher learning
Energy 	<ol style="list-style-type: none"> 1. ** Percentage of city population with authorized electrical service 2. Total electrical use per capita 3. The average number of electrical interruptions per customer per year 4. Average length of electrical interruptions (in hours) 	<ol style="list-style-type: none"> I. Share of renewable energy use out of primary energy supply II. Residential energy use per household by types of energy III. <i>Total energy use index</i>
Finance 	<ol style="list-style-type: none"> 1. ** Debt service ratio (debt service expenditures as a percent of a municipality's own-source revenue) 2. Tax collected as percentage of tax billed 3. Own-source revenue as a percent of total revenues 4. Capital spending as percentage of total expenditures 	<ol style="list-style-type: none"> I. Disaggregate of own-source revenue as a percent of total revenues into categories of property tax, sales tax, user fees and charges and other revenue sources
Fire and Emergency Response 	<ol style="list-style-type: none"> 1. ** Number of firefighters per 100,000 population 2. ** Number of fire related deaths per 100,000 population 3. Response time for fire department from initial call 	<ol style="list-style-type: none"> I. Emergency medical services indicator II. Number of medical personnel per 100,000 III. Number of fire trucks per 100,000 IV. Number of ambulances per 100,000 V. Response time for emergency services from initial call VI. Outcome indicators such as rates of fire or property damage and ultimate health/survival rates of patients
Governance	<ol style="list-style-type: none"> 1. ** Total score for the presence of representative mechanisms that ensure accountability and transparency in the operational functions of the local government (expressed as a score out of 100) 	<ol style="list-style-type: none"> I. Average number of days to get a business license II. Requests for service response time III. Under discussion to incorporate

	<ul style="list-style-type: none"> ○ Weighted score (out of 20) for formal publication of contracts, tenders, budget and accounts ○ Weighted score (out of 15) for control by local government (vs. higher levels of governments) ○ Weighted score (out of 10) for Codes of Conduct ○ Weighted score (out of 10) for facility to receive complaints ○ Weighted score (out of 15) for anti-corruption commission ○ Weighted score (out of 15) for disclosure of personal income and assets ○ Weighted score (out of 15) for regular independent audits <ol style="list-style-type: none"> 2. Percentage of women employed in the city government workforce 3. Percentage of minorities employed in the city government workforce 	<p>civic engagement in governance indicator</p> <p>IV. <i>City governance Index</i></p>
<p>Health</p> 	<ol style="list-style-type: none"> 1. ** Under age five mortality per 1,000 live births 2. ** Immunization against infectious childhood diseases (percent of eligible population that have been immunized) 3. Number of in-patient hospital beds per 100,000 population 4. Number of physicians per 100,000 population 	<ol style="list-style-type: none"> I. Annual HIV/AIDS death rate per 100,000 population II. Disaggregation of immunization against infectious childhood diseases III. Number of health care professionals per 100,000 (physicians, nurses, other)
<p>Recreation</p> 	<ol style="list-style-type: none"> 1. ** Square meters of public recreation facility space per capita 2. City expenditures on public recreation as a percentage of overall city budget 	<ol style="list-style-type: none"> I. An indicator of recreational use levels
<p>Safety</p> 	<ol style="list-style-type: none"> 1. ** Number of homicides per 100,000 population 2. ** Number of sworn police officers per 100,000 3. Violent crime rate per 100,000 population 	<ol style="list-style-type: none"> I. Perception of safety II. Juvenile crime (gangs and youth related crimes)
<p>Social Services</p> 	<p>UNDER DEVELOPMENT</p>	
<p>Solid Waste</p> 	<ol style="list-style-type: none"> 1. ** Percentage of city population with regular solid waste collection 2. ** Percentage of the city's solid waste that is disposed of in an incinerator or burned openly/open dump/sanitary landfill/other means 3. Total solid waste generation per capita 	<ol style="list-style-type: none"> I. Percentage of population participating in recycling program II. Indicator to capture informal waste (waste-pickers, sorters, etc.)

<p>Transportation</p> 	<ol style="list-style-type: none"> 1. ** Km of transportation system per 100,000 population (separated by mode – road/dedicated busway/passenger rail/bicycle path/pedestrian path) 2. ** Annual number of public transit trips per capita 3. ** Percentage of commuters working in the city using cars (as single occupant) as their primary way to travel to work 4. ** Modal Split (percentage of commuters using travel mode other than a personal vehicle) 5. Commercial Air Connectivity (number of nonstop commercial air destinations) 6. Average travel speed on primary thoroughfares during peak hours (km/h) 7. Transportation fatalities per 100,000 population 	<ol style="list-style-type: none"> I. Total municipal road and transit expenditure per capita II. Indicator regarding shape/condition of infrastructure
<p>Urban Planning</p> 	<ol style="list-style-type: none"> 1. ** Latest approval date of Master Plan/ official plan (year) 2. Green area (hectares) per 100,000 population 	<ol style="list-style-type: none"> I. Frequency of official reviews of master plan/ official plan II. Percentage of land parcels with a registered title III. Jobs/housing ratio IV. Mechanisms for enforcement; regulation, planning standards (building codes, zoning by-laws, informal)
<p>Wastewater</p> 	<ol style="list-style-type: none"> 1. ** Percentage of city population served by wastewater collection 2. ** Percentage of the city's wastewater that has received no treatment 3. ** Percentage of the city's wastewater receiving primary treatment 4. ** Percentage of the city's wastewater receiving secondary treatment 5. ** Percentage of the city's wastewater receiving tertiary treatment 	<ol style="list-style-type: none"> I. An indicator of wastewater treatment effectiveness II. Percent of assimilative capacity of receiving water body used
<p>Water</p> 	<ol style="list-style-type: none"> 1. ** Percentage of city population with potable water supply service 2. Domestic water consumption per capita 3. Number of interruptions in water service per 1,000 hectares of service area 	<ol style="list-style-type: none"> I. Disaggregate of percentage of city population with potable water supply service into three classes of household connection: shared facility, private distribution (trucks, donkeys, head etc.) and other II. Percent of treated water lost during distribution III. Water quality (relative to national standards and boil water advisories) IV. Incidence of water borne diseases
<p>Quality of Life</p>		
<p>Civic</p>	<ol style="list-style-type: none"> 1. ** Voter participation (as a percent of eligible 	<ol style="list-style-type: none"> I. Under discussion to incorporate into

Engagement 	<p>voters)</p> <ol style="list-style-type: none"> 2. Citizen's representation: number of local officials elected to office per 100,000 population 3. Number of civic organizations per 100,000 population 	<p>governance indicator</p>
Culture 	<ol style="list-style-type: none"> 1. ** Number of cultural establishments per 100,000 population 2. City expenditures on culture as a percentage of overall city budget 	<ol style="list-style-type: none"> I. Attendance at cultural events per capita II. Multiculturalism - under discussion III. <i>Creative cities index</i>
Economy 	<ol style="list-style-type: none"> 1. ** City product per capita 2. Percentage of persons in full time employment (both sexes and all ages) 	<ol style="list-style-type: none"> I. Commercial/Industrial assessment as percent of total assessment II. Investment levels III. <i>Competitiveness index</i>
Environment 	<ol style="list-style-type: none"> 1. ** Greenhouse gas emissions measured in tonnes per capita 	<ol style="list-style-type: none"> I. Number of days with PM10 exceedences II. Indicator linking air quality to respiratory problems III. Sustainable cities/Climate change Plans IV. Greenhouse gas emissions from municipal operations
Shelter 	<ol style="list-style-type: none"> 1. ** Percentage of city population living in slums 2. Areal size of informal settlements as a percent of city area 	<ol style="list-style-type: none"> I. Housing price/income ratio II. Housing rent/income ratio III. Homelessness
Social Equity 	<ol style="list-style-type: none"> 1. ** Percentage of city population living in poverty 	<ol style="list-style-type: none"> I. Cost of basic necessities or Market Basket Measure II. Percentage of population receiving government financial assistance III. Social Programs IV. Gini co-efficient/ income distribution V. <i>Social Capital Index</i>
Subjective Well-Being 	<p>UNDER DEVELOPMENT</p>	<ol style="list-style-type: none"> I. <i>Subjective well-being index</i>
Technology and Innovation 	<ol style="list-style-type: none"> 1. ** Number of internet connections per 100,000 population 2. Number of telephones (landlines and cell phones) per 100,000 population 	<ol style="list-style-type: none"> I. Venture capital investment II. Broadband penetration rate III. <i>Creativity index</i>