

A satellite view of Earth from space, showing the curvature of the planet and city lights at night. The image is dark, with the Earth's surface appearing as a curved horizon line. The sky is black with many small stars. The Earth's surface is dark blue, with a thin layer of white clouds. A bright, glowing band of city lights is visible, stretching across the middle of the frame. The text is overlaid on the lower part of the image.

Appendix 3. Data Sources for Indicators

№	City	Energy Sources		Energy Consumption		Transport				
		City energy mix	Goal	Electricity consumption	Goal	Types of transport used by the residents daily, by share of population	Number of buses	Number of EV-buses or hydrogen buses	Share of private EV-cars	Goal
1	Berlin	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	«Statistics Berlin Brandenburg» website, «Environment»	Strategic plan «BEK 2030»	«Numbeo Traffic» database	«Berliner-Linienchronik», page «Subcontractors», «BVG» website, «Bus» page	«BVG» website, «Bus» page	Publication on the «Focus.de» website	Legal act «EWG Bln»
2	Delhi	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Central Electricity Authority General Review Report	-	«Numbeo Traffic» database	Delhi Government Performance: Transport Report	Publication on the «Hindustan Times» website	Publication on the Ministry of Heavy Industries website	Delhi Electric Vehicles Policy, 2020
3	Jakarta	«CDP Cities Energy Mix» database	Jakarta Climate Action Plan	Central Bureau of Statistics DKI Jakarta website, «Energy» page	C40 website, «Jakarta Green Zone development» page	«Numbeo Traffic» database	«Sectoral statistics Jakarta DKI Province» website, «Transportation» page	Publication on the «Jakarta Smart City» website	Publication on the «The Diplomat» website	C40 website, «Fossil-Fuel-Free Streets Declaration» page
4	Dubai	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Dubai Statistics Center website, «Total energy requirement and consumed» report	-	«Numbeo Traffic» database	Dubai Statistics Center website, «Public Transport Buses by Ridership» report	-	Publication on the «Emarat Al Youm» website, Publication on the «Al Bayan» website	Strategic plan «Roadmap to achieving zero-emission public transport by 2050»
5	Cairo	International Energy Agency website, «Country profile» page	-	«CAPMAS» website, «Electricity & Energy Release» page	-	«Numbeo Traffic» database	-	Publication on the «Egypt Independent» website	Publication on the «Bloomberg» website	-
6	Cape Town	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	«Cape Town State of Energy and Carbon» report	«CDP Cities Sector Targets» database	«Numbeo Traffic» database	«GABS Bus Services» website, «The company» page, «MyCITI Bus» website, «Media Releases» page	Publication on the «BYD» website	Publication on the «Techpoint Africa» website	CCT Climate Change Action Plan
7	London	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	London Datastore, «The London Energy and GHG Inventory» report	Strategic plan «London Net Zero 2030: An Updated Pathway»	«Numbeo Traffic» database	London Datastore, «Number of buses by type» database	London Datastore, «Number of buses by type» website	UK government website (gov.uk), «Vehicle licensing statistics data tables» database	London Environment Strategy
8	Mexico	«CDP Cities Energy Mix» database	-	«SENER Energy Information System» website, «Electricity consumption by state» page	Strategic plan «Climate Action Program of Mexico City 2021-2030»	«Numbeo Traffic» database	«E-bus Radar» website	«E-bus Radar» website	Publication on the «Energy21» website	Strategic plan «Estrategia de electromovilidad de la Ciudad de México»
9	Moscow	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Federal State Statistics Service website, «Energy Consumption by State Subject» report	City of Moscow program «Utilities infrastructure development and energy saving»	«Numbeo Traffic» database	GUP «Mosgortrans» website, «About us» page	Publication on the GUP «Mosgortrans» website	Publication on the «Autostat» website	Publication on the GUP «Mosgortrans» website
10	New York	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	The New York ISO Annual grid & markets report, Power trends 2019	Law 97 Implementation Action Plan 2021 report	«Numbeo Traffic» database	MTA website, «Transitioning to a zero-emissions bus fleet» page	MTA website, «Transitioning to a zero-emissions bus fleet» page	Publication on the «Car and Driver» website	Стратегия «OneNYC 2050 Efficient Mobility»

Green Spaces			Waste			Auxiliary indicators		
Green spaces area	City area	Goal	Mass of MSW generated	Mass of MSW disposed in landfills	Goal	City population	GHG emissions	Zero Carbon goal
Calculation based on «Google maps»	«CDP City-wide emissions» database	Charter for the Berlin City Green	«Berlin Waste Balance 2021» report	«Berlin Waste balance 2021» report	Berlin Land's Zero Waste Strategy	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Strategic plan «BEK 2030»
Calculation based on «Google maps»	«CDP City-wide emissions» database	Delhi State Action Plan on Climate Change	Annual Report - Solid Waste Management	Annual Report - Solid Waste Management	-	«CDP Cities Disclosing to CDP» database	«GHG Platform India» database	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	-	«National Waste Management Information System» database	«National Waste Management Information System» database	Jakarta Climate Action Plan	«CDP Cities Disclosing to CDP» database	«Emission Profile Inventory GHG DKI Jakarta» database	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	Dubai 2040 Urban Master plan	Dubai Statistics Center report «Quantity of non-hazardous waste»	Dubai Statistics Center, «Quantity of non-hazardous waste» report	Publication on the «Government of Dubai News» website	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	-
Calculation based on «Google maps»	Calculation based on «Google maps»	-	Annual Bulletin of environment statistics	Calculation based on mean value of the developing countries included in research	-	«CAPMAS Egypt in Numbers» yearbook	-	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	-	Annual State of Waste Management Report 2020	Annual State of Waste Management Report 2020	CCT Climate Change Action Plan	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	London Environment Strategy	London Datastore, «Collected Waste Management London» database	London Datastore, «Collected Waste Management London» database	Strategic plan «The London Plan 2021»	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Strategic plan «London Net Zero 2030: An Updated Pathway»
Calculation based on «Google maps»	«CDP City-wide emissions» database	-	«Solid Waste Inventory of Mexico City» report	«Solid Waste Inventory of Mexico City» report	Strategic plan «Programa de Acción Climática de la Ciudad de México 2021-2030»	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	-	Legal act «Territorial waste management scheme of Moscow»	Report on program «Utilities infrastructure development and energy saving»	Legal act «Territorial waste management scheme of Moscow»	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	«CDP Cities Emissions Reduction Targets» database
Calculation based on «Google maps»	«CDP City-wide emissions» database	Strategic plan «OneNYC 2050 Thriving Neighbourhoods»	Report on DSNY and non-DSNY collections	Report on DSNY and non-DSNY collections	Mayor's Office of Sustainability website, «Zero Waste Challenge» page	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Strategic plan «One NYC 2050: A Livable Climate»

№	City	Energy Sources		Energy Consumption		Transport				
		City energy mix	Goal	Electricity consumption	Goal	Types of transport used by the residents daily, by share of population	Number of buses	Number of EV-buses or hydrogen Buses	Share of private EV-cars	Goal
11	Paris	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Ministry of Ecological transition Data and statistical studies website, «Energy consumption» page	Paris Climate Action Plan	«Numbeo Traffic» database	Publication on the «Sustainable-bus» website	Publication on the «RATP» website	Publication on the Ministry of Ecological transition, Data and statistical studies website	Paris Climate Action Plan
12	Beijing	International Energy Agency website, «Country profile» page	Beijing Implementation Plan for Peaking Carbon Emissions	China Statistical Yearbook	Beijing Implementation Plan for Peaking Carbon Emissions	«Numbeo Traffic» database	«Ceicdata» website, «Number of public transit vehicle» page	Publication on the Chinese Government Official Portal	China Statistical Yearbook, «IEA Global Vehicle Outlook 2022» report	Beijing Implementation Plan for Peaking Carbon Emissions
13	Rome	International Energy Agency website, «Country profile» page	Action Plan for Energy and Climate	«Rome Capital» website, Statistical Report 2019	«CDP Cities Sector Targets» database	«Numbeo Traffic» database	«Rome Capital» website, «Local public transport» page	ATAC Contract, vehicle fleet data	Publication on the «Sicurauto» website	Strategic plan «Piano d'Azione per l'Energia e il Clima»
14	São-Paulo	«CDP Cities Energy Mix» database	Strategic plan «PlanClima SP»	Yearbook of energy subjects by municipality	-	«Numbeo Traffic» database	«E-bus Radar» website	«E-bus Radar» website	Publication on the «BGE» website, publication on the «Neo Charge (EV)» website	Strategic plan «PlanClimaSP»
15	Seoul	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Seoul Open Data Portal, «Electricity usage» database	Strategic plan «Promise of Seoul: Taking Action Against Climate Change»	«Numbeo Traffic» database	Seoul Open Data Portal, «Seoul city bus status statistics» database	Publication on the «Seoul Solution» website	Publication on the «Business Korea» website	2050 Seoul Climate Action Plan
16	Sydney	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	City of Sydney Data Hub, «Electricity consumption by suburb» page	-	«Numbeo Traffic» database	NSW Government website, «Zero Emission Buses» page	Publication on the «TeslaRati» website	«BITRE Motor Vehicles» report, «Electric Vehicle Industry Recap» report	-
17	Singapore	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Singapore Energy Market Authority website, «Singapore Energy Statistics» page	Strategic plan «Take action today for a carbon-efficient Singapore»	«Numbeo Traffic» database	Land Transport Authority website, «Annual Vehicle Statistics» report	Publication on the Land Transport Authority website	Land Transport Authority website, «Annual Vehicle Statistics» report	Singapore Climate Action Plan
18	Istanbul	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Turkish Statistical Institute website, «Regional Statistics» page	Istanbul Climate Change Action Plan	«Numbeo Traffic» database	«IETT Istanbul» website, «Public Transportation» page	-	Publication on the «TRT Haber» website	«Istanbul Climate Change Action Plan
19	Tokyo	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	Tokyo Statistical Yearbook	Zero emission Tokyo Strategy 2020 Update	«Numbeo Traffic» database	Tokyo Government website, «TOEI Bus Vehicle Ledger» page	Publication on the «Time to Act» website	«Statista» website, «Japan passenger cars in use» page, publication on the AIRIA Japan	Publication on the «Time to Act»
20	Toronto	«CDP Cities Energy Mix» database	«CDP Cities Renewable Energy Targets» database	«CDP Cities Energy Mix» database	-	«Numbeo Traffic» database	«Toronto Transit Commission Service Summary» report	«Toronto Transit Commission Service Summary» report	Publication on the «Automotive Statistics Canada» website	TransformTO Net Zero Strategy

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Calculation based on «Google maps»	«CDP City-wide emissions» database	Paris Climate Action Plan	Paris Annual Report RPQS Dechets	Paris Annual Report RPQS Dechets	Paris Climate Action Plan	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Paris Climate Action Plan
Calculation based on «Google maps»	Calculation based on «Google maps»	Beijing Implementation Plan for Peaking Carbon Emissions»	China Statistical Yearbook	China Statistical Yearbook	Beijing Implementation Plan for Peaking Carbon Emissions	Beijing Statistical Yearbook	«Belfer Center Environment and Natural Resources Program» report	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	Strategic plan «Piano d'Azione per l'Energia e il Clima»	ISPRA Urban Waste Reduction Report	Legal act «Rome Waste Management Plan»	Strategic plan «Piano d'Azione per l'Energia e il Clima»	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	Strategic plan «Cidade de Sao Paulo Programa de Metas 21/24»	City Hall website, «Waste collected in the municipality» page	City Hall website, «Waste collected in the municipality» page	Strategic plan «PlanClima SP»	«CDP Cities Disclosing to CDP» database	City hall website, publication «SVMA Report of GHG Emissions»	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	Strategic plan «Promise of Seoul: Taking Action Against Climate Change»	«Korea Resource Circulation Information System» website, «Environmental Statistics» page	«Korea Resource Circulation Information System» website, «Environmental Statistics» page	2050 Seoul Climate Action Plan	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	2050 Seoul Climate Action Plan
Calculation based on «Google maps»	«CDP City-wide emissions» database	City of Sydney Environmental Strategy 2021-2025	Local Government Waste and Resource Recovery Data Report	Local Government Waste and Resource Recovery Data Report	City of Sydney Environmental Strategy 2021-2025	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Strategic plan «Sustainable Sydney 2030-2050 Continuing the Vision»
Calculation based on «Google maps»	«CDP City-wide emissions» database	-	NEA, Government of Singapore website, «Waste and Recycling Statistics» database	NEA, Government of Singapore website, «Waste and Recycling Statistics» database	Singapore's Climate Action Plan	«CDP Cities Disclosing to CDP» database	NEA, Government of Singapore website, «GHG Inventory» page	-
Calculation based on «Google maps»	«CDP City-wide emissions» database	Istanbul Climate Change Action Plan	«Istanbul Open Data» website, «Annual Domestic Waste Amounts by District» database	Publication on the «Istanbul Environmental Protection and Control Department» website	Istanbul Climate Change Action Plan	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	«CDP Cities Emissions Reduction Targets» database
Calculation based on «Google maps»	«CDP City-wide emissions» database	Strategic plan «Tokyo's New Green Initiatives»	E-Stat Japan Statistics Dashboard	«Waste Disposal in Japan 2020 Version» report	Zero Emission Tokyo Strategy	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	Zero Emission Tokyo Strategy
Calculation based on «Google maps»	«CDP City-wide emissions» database	TransformTO Net Zero Strategy	Solid Waste Reports and Diversion Rate	Solid Waste Reports and Diversion Rate	TransformTO Net Zero Strategy	«CDP Cities Disclosing to CDP» database	«CDP City-wide emissions» database	TransformTo Net Zero Strategy