

Introduction

We invite a reply to the following questions. The deadline for response is 28 March 2014.

Please respond to the information request using CDP's Online Response System (ORS). This document shows all the possible questions that cities may encounter in the ORS. However, it should not be used in lieu of the ORS. If you are unable to respond via the ORS please e-mail cities@cdp.net.

The following sources of support are available to responding cities:

- 2014 Reporting Guidance: <https://www.cdp.net/Documents/Guidance/2014/CDP-cities-guidance-2014.pdf>
This document provides a high-level overview of each module and question-level guidance on every question. The guidance provides information on the intent of each question as well as examples of good responses for selected questions.
- In-ORS Guidance: Within the ORS, helpful text is provided to the right of every question. This text will give you guidance on the intent of the question and how to respond.
- Contact us: All cities can write to cities@cdp.net (or pauline.martin@cdp.net) for questions which are not answered in the guidance, for help accessing the ORS, or for general inquiries.
- City Director: C40 cities can contact their local city or regional director for help in writing their response.

We encourage organizations to use the guidance within the ORS and to consult the CDP Cities 2014 reporting guidance (see <https://www.cdp.net/Documents/Guidance/2014/CDP-cities-guidance-2014.pdf>).

Please answer the questions comprehensively while also assessing the relevance of the information you provide. Further explanation is provided in the CDP Cities 2014 reporting guidance. Where you do not have all of the information requested, please respond with what you have as this is more valuable than no response.

CDP is piloting a methodology to assess questionnaire completeness. We will evaluate answers to some questions according to this methodology. No results will be made public. However, we will share our feedback with you on how to improve your response on an individual basis. At the end of 2014, based on the experience of this pilot program and on feedback from cities, we will decide if and how to apply this methodology to cities' responses in future years.

Introduction

Introduction

0.1 Please give a general description and introduction to your city. [Text box]

Emissions Accounting Choice

By checking the boxes below you are indicating that you have fuel and/or greenhouse gas (GHG) emissions data to report at this time.

Select Government to report emissions from your local government operations (sometimes referred to as 'corporate' or 'municipal'): relating to those emissions arising from the operations of the local government.

Select Community to report emissions from the entire city (sometimes referred to as 'geographic' or 'city-wide'): encompassing emissions which are within a particular geopolitical region, over which the city government can exercise a degree of influence through the policies and regulations they implement.

Select both boxes to report fuel and/or emissions for both inventories.

Do not check either box if you have no fuel and/or GHG emissions to report.

0.2 Please indicate which greenhouse gas measurement inventories you are disclosing.
[Tick boxes: Government; Community]

Governance

Governance

1.0 Please describe the process by which the city reviews its progress and manages overall responsibility for climate change. [Text box]

1.1 Do you provide incentives for management of climate change issues, including the attainment of GHG reduction targets? [List of values: Yes; No]

1.1a *If yes:* Please complete the table.

Who is entitled to benefit from these incentives?	The type of incentives	Program description
[List of values: City employees; City agencies/departments; Citizens; Other]	[List of values: Monetary; Recognition (non-monetary); Other non-monetary reward; Other]	[Text box]

Add Row

1.2 Please describe the impact of national and/or regional climate change activities on your city's own climate change activities. [Text box]

Risks and Adaptation

Physical Risks

2.0 Q2.0: Do current and/or anticipated effects of climate change present significant physical risks to your city? [List of values: Yes; No; Don't Know]

2.0a *If yes or don't know:* Please list and describe the effects of climate change which you expect to experience in your city, together with anticipated timescales.

Effects of climate change	Level of risk	Anticipated timescale in years	Impact description
[List of values: More hot days; Hotter summers; More frequent heat waves; More intense heat waves; Warmer water temperatures; Increased urban heat island effect; More frequent rainfall; More intense rainfall; Increased average annual rainfall; Reduced average annual rainfall; Reduced average annual snowfall; More frequent droughts; More intense droughts; Change in seasonality of rainfall; Increased risk of storm surges; Increased frequency of large storms; Increased wind speeds; Sea level rise; Other]	[List of values: Extremely serious; Serious; Less serious; Other]	[List of values: Current; Short-term; Medium-term; Long-term; Other]	[Text box]

Add row

2.0b *If no:* Please explain why the anticipated physical effects of climate change present no significant risk to your city. [Text box]

2.1 Please describe any compounding factors that may worsen the physical effects of climate change in your city. [Text box]

2.2 Do you consider that the physical impacts of climate change could threaten the ability of businesses to operate successfully in your city? [List of values: Yes; No; Don't know]

2.2a Please explain the reasoning behind your response. [Text box]

2.3 Please select the primary process or methodology used to evaluate the physical risks to your city.

Primary methodology	Description
[List of values: IPCC models and climate change impact assessment guidance; OECD Strategic Environmental Assessment and Adaptation to Climate Change; UNDP climate risk management methodologies; ICLEI climate adaptation methodology (ADAPT); UK Climate Impacts Partnership Framework (UKCIP); World Bank Urban Risk Assessment(URA); Shaping climate resilient development: A framework for decision making (ECA); State or region vulnerability and risk assessment methodology; Agency specific vulnerability and risk assessment methodology; Other: Proprietary Methodology; Unknown; No evaluation done; Other]	[Text box]

Risks and Adaptation

Adaptation

3.0 Do you have a city-wide plan for increasing your city’s resilience to the expected physical effects of climate change? [List of values: Yes, No]

3.0a *If yes*, please indicate the title of your climate adaptation plan, the year it was published and attach the document in the space provided.

Publication title	Year of publication	Attach the document
[Text box]	[Numeric field]	[Attachment function]

3.0b *If no*: Please explain why not and any future arrangements you have to create a plan. [Text box]

3.1 *If yes to 2.0*: Please describe the actions you are taking to reduce the risk to your city’s infrastructure, citizens, and businesses from climate change as identified on the previous page.

Effects of climate change [Completed automatically from Q 2.0a]	Actions to reduce vulnerability	Action description
[List of values: More hot days; Hotter summers; More frequent heatwaves; More intense heatwaves; Warmer water temperatures; Increased urban heat island effect; More frequent rainfall; More intense rainfall; Increased average annual rainfall; Reduced average annual rainfall; Reduced average annual snowfall; More frequent droughts; More intense droughts; Change in seasonality of rainfall; Increased risk of storm surges; Increased frequency of large storms; Increased wind speeds; Sea level rise; Other]	[List of values: Appendix A]	[Text box]

Risks and Adaptation

Social Risks

4.0 Does your city face any social risks as a result of climate change? [List of Values: Yes; No; Don't know]

4.0a *If yes or don't know:* Please complete the table.

Social risks	Anticipated timescale in years	Impact description
[List of values: Fluctuating socio-economic conditions; Increased incidence and prevalence of disease; Increased demand for public services (including health); Increased risk to already vulnerable populations; Increased conflict and/or crime; Increased resource demand; Loss of traditional jobs; Migration from rural areas to cities; Population displacement; Other]	[List of values: Current; Short-term; Medium-term; Long-term; Other]	[Text box]

Add row

4.0b *If no:* Please explain why not. [Text box]

Opportunities

Opportunities

5.0 Does climate change provide any economic opportunities for your city? [List of values: Yes; No; Don't know]

5.0a *If yes or don't know:* Please indicate the opportunities and describe how the city is positioning itself to take advantage of them.

Economic opportunity	Describe how the city is maximizing this opportunity
[List of values: Development of new business industries (e.g. clean tech); Additional funding opportunities; Improved efficiency of operations; Increased energy security; Increased attention to other environmental concerns; Increased infrastructure investment; Other]	[Text box]

5.0b *If no:* Why not? [Text box]

Emissions - Local Government Operations

The questions in this section refer to emissions associated with your local government operations (sometimes referred to as “corporate” or “municipal”) emissions.

Methodology

LGO 1.0 Please state the dates of the accounting year or 12-month period for which you are reporting a GHG measurement inventory for your local government operations.
 [Drop down calendar: From]
 [Drop down calendar: To]

LGO 1.1 Please indicate the category that best describes the boundary of your municipal GHG emissions inventory. [List of values: Departments, entities or companies over which operational control is exercised; Departments, entities or companies over which financial control is exercised; Other]

LGO 1.2 Please indicate which of the following major sources of emissions are included in your municipal GHG emissions inventory.

Source of emissions	Status
[Fixed list of values: Airport (s); Buildings; Buses; Electricity generation; Electricity transmission and distribution; Employee commuting; Incineration of waste; Landfills; Local trains; Maritime port; Municipal vehicle fleet; Regional trains; Roads / highways; Street lighting and traffic signals; Subway / underground; Thermal energy; Waste collection; Wastewater treatment; Water supply]	[List of values: Included; Not included; Not applicable]

LGO 1.3 Please give the name of the primary protocol, standard, or methodology you have used to calculate GHG emissions.

Primary protocol	Comment
[List of values: Greenhouse Gas Protocol: Public Sector Standard; International Emissions Analysis Protocol (ICLEI); ISO 14064; Local Government Operations Protocol (ICLEI/The Climate Registry/California Climate Action Registry/California Air Resources Board); Australian National Greenhouse and Energy Reporting (Measurement) Determination; Other]	[Text box]

Emissions - Local Government Operations

Energy Data

LGO 1.4 Please give the total amount of fuel (refers to direct/Scope 1 emissions) that your local government has consumed this year.

Fuel	Amount	Units
[List of values: Appendix B]	[Numeric field]	[List of values: GWh; MWh; kWh; TJ; GJ; MJ; Therms; Btu m ³ ;L; Metric tonnes; Short tons]

Add Row

LGO 1.5 How much electricity, heat, steam, and cooling (refers to indirect/Scope 2 emissions) has your local government purchased for its own consumption during the reporting year?

Type	Amount	Units
[List of values: Electricity; Heat; Steam; Cooling; Other]	[Numeric field]	[List of values: GWh; MWh; kWh; TJ; GJ; MJ; Therms; Btu; m ³ ;L; Metric tonnes; Short tons]

Add Row

GHG Emissions Data

LGO 1.6 Please provide total (Scope 1 + Scope 2) GHG emissions for your local government's operations, in metric tonnes CO₂e. [Numeric field]

LGO 1.7 If applicable, please provide the following GHG emissions.

Scopes are a common categorization method.

Scope 1: All direct GHG emissions (with the exception of direct CO₂ emissions from biogenic sources).

Scope 2: Indirect GHG emissions associated with the consumption of purchased or acquired electricity, steam, heating, or cooling.

Total Scope 1 activity in metric tonnes CO ₂ e emitted	Total Scope 2 activity in metric tonnes CO ₂ e emitted
[Numeric field]	[Numeric field]

LGO 1.8 Do you measure Scope 3 emissions? [List of values: Yes, No]

Emissions - Local Government Operations

LGO 1.8a *If yes:* Please complete the table.

Source of Scope 3 emissions	Emissions (metric tonnes CO2e)	Comment
[Text box]	[Numeric field]	[Text box]

Add Row

LGO 1.8b *If No:* Please explain why not and detail your plans to do so in the future, if any. [Text box]

LGO 1.9 Where it will facilitate a greater understanding of your government emissions, please provide a breakdown of these emissions by department, facility, greenhouse gas (CO₂, CH₄, N₂O etc) or by any other classification system used in your city.

Department / Facility / GHG / Other	Type	Emissions (metric tonnes CO2e)
[Text box]	[List of values: Scope 1; Scope 2; Scope 3; Total figure, Other]	[Numeric field]

Add Row

LGO 1.11 Please indicate if your emissions have increased, decreased, or stayed the same from the previous year, and please describe why.

Change in emissions	Reason for change
[List of values: Increased, Decreased, Stayed the same, This is our first year of estimation, We don't have any emissions data, Other]	[Text box]

External Verification

LGO 1.12 Has the GHG emissions data **you are currently reporting** been externally verified or audited in part or in whole? [List of values: Yes; No]

LGO 1.12a Please provide any other relevant information about the emissions verification process. [Text box]

Emissions - Community

The questions in this section refer to your city’s Community (sometimes referred to as “geographic” or “city-wide”) emissions inventory. This inventory encompasses emissions which are within a particular geopolitical region, over which local governments can exercise a degree of influence through the policies and regulations they implement.

Date and Boundary

- C1.0 Please state the dates of the accounting year or 12-month period for which you are reporting a GHG measurement inventory for your community.
 [Drop down calendar: From]
 [Drop down calendar: To]
- C1.1 Please indicate the category that best describes the boundary of your community GHG emissions inventory. [List of values: Geopolitical Boundary—physical areas over which local government has jurisdictional control; Other]

Emissions and Energy Data

- C1.2 Please give the name of the primary protocol, standard, or methodology you have used to calculate GHG emissions.

Primary protocol [List of values: International Emissions Analysis Protocol (ICLEI); International Standard for Determining Greenhouse Gas Emissions for Cities (UNEP and World Bank); 2006 IPCC Guidelines for National Greenhouse Gas Inventories; Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0, (C40 and ICLEI); U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions (ICLEI); Greenhouse gas Inventory & Research Center of Korea (GRI); Other]
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- C1.3 Please explain your methodology (including use of additional protocol), methods of calculation, and processes for data collection. [Text box]
- C1.4 Please detail total (Scope 1 +Scope 2) emissions for your community, in metric tonnes CO2e. [Numeric field]
- C1.5 If applicable, please provide a breakdown of your GHG emissions by scope.

Scopes are a common categorization method.

Scope 1: All direct GHG emissions (with the exception of direct CO2 emissions from biogenic sources).

Scope 2: Indirect GHG emissions associated with the consumption of purchased or acquired electricity, steam, heating, or cooling.

Total Scope 1 activity in metric tonnes CO2e emitted	Total Scope 2 activity in metric tonnes CO2e emitted
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Emissions - Community

[Numeric field]	[Numeric field]
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C1.6 *If protocol besides Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0, (C40 and ICLEI) :* Where it will facilitate a greater understanding of your community’s emissions, please provide a breakdown of these emissions by end user (buildings, water, waste, transport), economic sector (residential, commercial, industrial, institutional), IPCC sector (Stationary combustion; mobile combustion, Industrial processes, waste), greenhouse gas (CO2, CH4, N2O, etc) or any other classification system used in your city.

End user / Economic sector / IPCC sector / GHG / Other	Emissions (metric tonnes CO2e)
[Text box]	[Numeric field]

Add Row

C1.7 *If protocol besides Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0, (C40 and ICLEI):* Please give the total amount of fuel (referring to direct emissions/Scope 1 emissions) consumed in your city during the reporting year.

Fuel	Amount	Units
[List of values: Appendix B]	[Numeric field]	[List of values: GWh; MWh; kWh; TJ; GJ; MJ; m ³ ;L; Metric tonnes; Short tons; Therms; Btus]

Add Row

C 1.8 *If protocol besides Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0, (C40 and ICLEI):* How much electricity, heat, steam, and cooling (referring to indirect emissions/Scope 2) has been consumed by your city during the reporting year?

Type	Amount	Units
[List of values: Electricity; Heat; Steam; Cooling; Other]	[Numeric field]	[List of values: GWh; MWh; kWh; TJ; GJ; MJ; m ³ ;L; Metric tonnes; Short tons; Therms; Btus]

Add Row

Emissions - Community

C1.9 *If Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0, (C40 and ICLEI):* Please provide a breakdown of fuel use and emissions by source as defined in the Global Protocol for Community GHG Inventories.

Emissions Source	Energy / Fuel Type	Fuel consumed / Electricity used / Other energy activity measure	Units	Emissions (metric tonnes CO2e)	Type
[List of values: Residential buildings; Commercial/Institutional facilities; Industrial buildings; Energy generation; Energy use in industrial activities; On-Road transportation (cars, LDV, HDV/buses, others); Railways (including urban metro/rail transport systems); Water-borne navigation; Aviation; Off-road; Solid waste disposal; Biological treatment of waste; Incineration and open burning; Wastewater treatment and discharge; Industrial process and product use emissions; AFOLU; Fugitive emissions; Other]	[List of values: Appendix C]	[Numeric field]	[List of values: GWh; MWh; kWh; TJ; GJ; MJ; m ³ ;L; Metric tonnes; Short tons; Therms ;Btus]	[Numeric field]	[List of values: Scope 1; Scope 2; Scope 3; Total; Other]

Add Row

C1.11 Do you measure Scope 3 emissions? [List of values: Yes; No]

C1.11a *If yes:* Please complete the table.

Source of Scope 3 emissions	Emissions (metric tonnes CO2e)	Comment
[Text box]	[Numeric field]	[Text box]

Add Row

C1.11b *If no:* Please explain why not and detail your plans to do so in the future, if any. [Text box]

C1.12 Please indicate if your emissions have increased, decreased, or stayed the same from the previous year, and please describe why.

Change in emissions	Reason for change
[List of values: Increased, Decreased, Stayed the same, This is our first year of estimation, We don't have any emissions data, Other]	[Text box]

Emissions - Community

External Verification

C1.13 Has the GHG emissions data you are currently reporting been externally verified or audited in part or in whole? [List of values: Yes; No]

C1.13a Please provide any other relevant information about the emissions verification process.
[Text box]

Strategy

The questions in this section refer to emissions reduction targets and actions associated with your local government operations (sometimes referred to as "corporate" or "municipal") emissions. Targets related to the Community (also known as "city-wide") inventory should be reported on the next page in questions 7.0 and 7.1.

GHG Emissions Reduction – Local Government Operations

6.0 Do you have a GHG emissions reduction target in place for your local government operations?

[List of values: Yes; No]

6.0a *If yes:* Please provide details of your local government operations emissions reduction target.

Baseline year	Baseline emissions (metric tonnes CO2e)	Percentage reduction target	GHG sources to which the target applies	Target date	Comment
[List of values: 1990 – 2013; Other]	[Numeric field]	[Numeric field]	[Text box]	[List of values: 2013-2020; 2025; 2030; 2035; 2040; 2045; 2050; Other]	[Text box]

Add row

6.0b *If no:* Please explain why you do not have a local government operations emissions reduction target. [Text box]

6.1 What activities are you undertaking to reduce your emissions in your local government operations?

Emissions reduction activity	Projected emissions reduction (metric tonnes CO2e)	Action description
[List of values: Appendix D]	[Numeric field]	[Text box]

Add row

Strategy

The questions in this section refer to emissions reduction targets and actions associated with your city's Community (sometimes referred to as "geographic" or "city-wide") emissions. Targets related to the local government operations (also known as "municipal") inventory should be reported on the previous page in questions 6.0 and 6.1.

GHG Emissions Reduction – Community

7.0 Do you have a GHG emissions reduction target in place for your community? [List of values: Yes; No]

7.0a *If yes:* Please provide details of your city-wide emissions reduction target.

Baseline year	Baseline emissions (metric tonnes CO2e)	Percentage reduction target	GHG sources to which the target applies	Target date	Comment
[List of values: 1990 – 2013; Other]	[Numeric field]	[Numeric field]	[Text box]	[List of values: 2013 – 2020; 2025; 2030; 2035; 2040; 2045; Other]	[Text box]

Add row

7.0b *If no:* Please explain why you do not have a city-wide emissions reduction target. [Text box]

7.1 What activities are you undertaking to reduce emissions city-wide?

Emissions reduction activity	Projected emissions reduction (metric tonnes CO2e)	Action description
[List of values: Appendix D]	[Numeric field]	[Text box]

Add row

Strategy

Planning

8.0 Does your city have a renewable energy or electricity target? [LOV: Yes – my city has a renewable ELECTRICITY target; Yes – my city has a renewable ENERGY target; Yes – my city has renewable electricity AND energy targets; No – my city does not have any renewable energy or electricity targets]

8.1a *If Yes – my city has a renewable electricity target or Yes – my city has renewable electricity and energy targets:* Please indicate the energy mix of your electricity at the city wide scale.

Energy source	Percent
Coal	[Numeric field]
Gas	[Numeric field]
Oil	[Numeric field]
Nuclear	[Numeric field]
Hydro	[Numeric field]
Biomass	[Numeric field]
Wind	[Numeric field]
Geothermal	[Numeric field]
Solar	[Numeric field]

8.1b *If Yes – my city has a renewable **electricity** target or Yes – my city has renewable **electricity and energy** targets:* Please provide details of your renewable electricity targets and how the city plans to meet those targets.

Scale	Total installed capacity of renewable electricity (in MW)	Proportion of total electricity from renewable energy sources	Target Date	Plans to meet target (include details on types of energy)
[LOV: City-wide, Municipal]	[Numeric field]	%	[List of values: 2013 – 2020; 2025; 2030; 2035; 2040; 2045; Other]	[Text box]

Add row

Strategy

8.1c *If Yes – my city has a renewable **energy** target or Yes – my city has renewable **electricity and energy** targets:* Please provide details of your renewable energy targets and how the city plans to meet those targets.

Scale	Total installed capacity of renewable energy (in MW)	Proportion of total energy from renewable energy sources	Target Date	Plans to meet target (include details on types of energy)
[LOV: City-wide, Municipal]	[Numeric field]	%	[List of values: 2013 – 2020;2025;2030; 2035;2040;2045 Other]	[Text box]

Add row

8.2 *If No – my city does not have any renewable energy or electricity target:* Please explain why you do not have a renewable energy target or a renewable electricity target and any plans to introduce one in the future. [Text box]

8.3 List any climate change-related projects for which you hope to attract private sector involvement. [Text box]

8.4 Does your city incorporate desired GHG reductions into the master planning for the city? [List of values: Yes; No]

8.4a *If yes:* Please describe the ways that the master plan is designed to reduce GHG emissions. [Text box]

Water Supply Risks

9.0 Do you foresee substantive risks to your city’s water supply in the short or long term? [List of values: Yes; No]

9.0a *If yes:* Please identify the risks to your city’s water supply as well as the timescale and level of risk.

Risks	Timescale	Level of risk	Risk Description
[List of values: Increased water stress or scarcity; Declining water quality; Inadequate or aging infrastructure; Flooding; Higher water prices; Regulatory; Other]	[List of values: Current; Short-term; Medium-term; Long-term; Other]	[List of values: Extremely serious, Serious, Less Serious, Other]	[Text box]

Add row

Strategy

Water Supply Adaptation

9.0b *If no to 9.0:* Please explain why you do not consider your city to be exposed to any substantive water-related risk. [Text box]

9.1 *If yes to 9.0:* Please select the actions you are taking to reduce the risks to your city's water supply.

Risks	Adaptation Action	Action Description
[List of values: Increased water stress or scarcity; Declining water quality; Inadequate or aging infrastructure; Flooding; Higher water prices; Regulatory; Other]	[List of values: Conservation awareness and education; Conservation incentives; Water use restrictions; Efficiency regulations or standards; Water metering; Municipal water efficiency retrofits; Diversifying water supply (including new sources); Investment in existing water supply infrastructure ; Use of non-potable water outside; Use of non-potable water indoors (within building); Watershed preservation; Stormwater management (natural or man made infrastructure); Other]	[Text box]

Important Information

The Carbon Disclosure Project (CDP) has been making information requests relating to carbon and climate change on behalf of investors since 2003. To find out more about CDP and the previous responses from other organizations, please refer to our website at www.cdproject.net.

What are the financial implications of responding?

CDP has charitable status and seeks to use its limited funds effectively. Consequently, responses must be prepared and submitted at the expense of responding cities. CDP also reserves the right, where it deems it appropriate in view of its charitable aims and objectives, to charge for access to or use of data and/or reports it publishes or commissions.

What is the basis of participation and what will happen to the data received?

When responding to CDP you will be given a choice as to whether your response is made public or non-public. We strongly encourage cities to make their responses public which means that the response will be made publicly available from the CDP website. Non-public responses will not be made publicly available and will only be used in aggregate and/or anonymously.

Scoring of responses

Responses to CDP Cities 2014 will not be scored publicly by CDP or its partners. CDP and other organizations write and publish reports that include an overview of CDP responses. In 2014, CDP is piloting a methodology for internal feedback purposes, but no results will be made public. CDP will consider publicly scoring responses (for example, for the comprehensiveness of the organization's disclosure and on performance factors) in the future.

What if a city wishes to change or update a response?

In order for responses and any revisions to be included in the annual reports CDP publishes each year, they must be received by 28 March 2014. After you submit your response via the Online Response System, it will become 'read-only' and can then only be amended by CDP staff. CDP can accept revisions to responses in writing at any time and will aim to make these available from www.cdproject.net within five days of receipt.

How can a city confirm its participation?

If you received this document in hard copy, please email Cities@cdp.net to confirm your participation. If your city is a member or an affiliate of the C40, city staff will have received an email with further instructions on how to confirm your participation.

What is the legal status of CDP?

The Carbon Disclosure Project is a UK Registered Charity no. 1122330 and a company limited by guarantee registered in England no. 05013650. In the US, the Carbon Disclosure Project is a special project of Rockefeller Philanthropy Advisors with United States IRS 501(c)(3) charitable status.

The Carbon Disclosure Project is an independent not-for-profit organization holding the largest database of primary corporate climate change information in the world.

Thousands of organizations from across the world's major economies measure and disclose their greenhouse gas emissions and climate change strategies through CDP. CDP puts this information at the heart of financial and policy decision-making and its goal is to collect and distribute high quality information that motivates investors, corporations and governments to take action to prevent dangerous climate change.

Appendix A

Appendix A: Actions to reduce vulnerability

Crisis management including warning and evacuation systems
Flood mapping
Heat mapping and thermal imaging
Sea level rise modelling
Diversifying power/energy supply
Economic diversification measures
Landslide risk mapping
Biodiversity monitoring
Crisis planning and practice exercises
Tree planting and/or creation of green space
Soil retention strategies
Storm water capture systems
Restrict development in at risk areas
Projects and policies targeted at those most vulnerable
Flood defences – development and operation & storage
Resilience and resistance measures for buildings
Air quality initiatives
Disease prevention measures
Green roofs/walls
White roofs
Shading in public spaces, markets
Cooling systems for critical infrastructure
Retrofit of existing buildings
Cooling centers, pools, water parks/plazas
Cool pavement
Water extraction protection
Promoting low flow technologies
Water butts/rainwater capture
Xeriscapes – low water landscaping design
Additional reservoirs and wells for water storage
Maintenance/repair – leaking infrastructure
Optimizing delivery fuel mix of water supply
Improve water supply distribution method
Promoting and incentivizing water efficiency
Water use restrictions and standards
Water efficient equipment and appliances
Water smart metering
Water use audits
Community engagement/education
Awareness campaign/education to reduce water use
Diversification of water supply
Real time risk monitoring
Other

Appendix B

Appendix B: Fuel Type

Asphalt/bitumen	Motor gasoline (petrol)
Biodiesels	Jet kerosene
Biogas	Kerosene
Biogasoline	Landfill gas
Blast furnace gas	Liquefied Natural Gas (LNG)
Butane	Liquefied Petroleum Gas (LPG)
Charcoal	Lubricants
Coal (Anthracite)	Methane
Coal (Bituminous or Black coal)	Naptha
Coal (Brown coal briquettes or BKB)	Natural gas
Coal (Lignite or Brown coal)	Oil shale/tar sands
Coal (sub-bituminous)	Orimulsion
Coal (unknown)	Oxygen steel furnace gas
Coke breeze	Patent fuel
Coke oven coke	Peat
Coking coal	Pitch
Lignite coke	Propane
Metallurgical coke	Refinery feedstocks
Petroleum coke	Refinery gas
Semi-coke	Refuse-derived fuel
Compressed Natural Gas (CNG)	Residual fuel oil
Crude oil	Shale oil
Diesel/Gas oil	Sludge gas
Distillate fuel oil No 1	Sulphite lyes (Black liquor)
Distillate fuel oil No 2	Tar
Distillate fuel oil No 3	Town gas or city gas
Distillate fuel oil No 4	Turpentine
Distillate fuel oil No 5	Vegetable oils
Distillate fuel oil No 6	Waste (municipal)
E85	Waste oil
Ethane	Waste plastics
Ethanol	Waste-tire derived fuels
Gas works gas	Waxes
Gasohol	White spirit SBP
Aviation gasoline	Wood or wood waste
Jet gasoline	Other

Appendix C

Appendix C: Fuel or Energy Type

Asphalt/bitumen	Naptha
Biodiesels	Natural gas
Biogas	Oil shale/tar sands
Biogasoline	Orimulsion
Blast furnace gas	Oxygen steel furnace gas
Butane	Patent fuel
Charcoal	Peat
Coal (Anthracite)	Pitch
Coal (Bituminous or Black coal)	Propane
Coal (Brown coal briquettes or BKB)	Refinery feedstocks
Coal (Lignite or Brown coal)	Refinery gas
Coal (sub-bituminous)	Refuse-derived fuel
Coal (unknown)	Residual fuel oil
Coke breeze	Shale oil
Coke oven coke	Sludge gas
Coking coal	Steam
Lignite coke	Sulphite lyes (Black liquor)
Metallurgical coke	Tar
Petroleum coke	Town gas or city gas
Semi-coke	Turpentine
Compressed Natural Gas (CNG)	Vegetable oils
Cooling	Waste (municipal)
Crude oil	Waste oil
Diesel/Gas oil	Waste plastics
Distillate fuel oil No 1	Waste-tire derived fuels
Distillate fuel oil No 2	Waxes
Distillate fuel oil No 3	White spirit SBP
Distillate fuel oil No 4	Wood or wood waste
Distillate fuel oil No 5	Other
Distillate fuel oil No 6	
E85	
Electricity	
Ethane	
Ethanol	
Gas works gas	
Gasohol	
Aviation gasoline	
Jet gasoline	
Motor gasoline (petrol)	
Heat	
Jet kerosene	
Kerosene	
Landfill gas	
Liquefied Natural Gas (LNG)	
Liquefied Petroleum Gas (LPG)	
Lubricants	
Methane	

Appendix D

Appendix D: Emissions reduction activities

Education > Climate change-focused curriculum
 Energy Demand in Buildings > Energy efficiency/retrofit measures
 Energy Demand in Buildings > Building performance rating and reporting
 Energy Demand in Buildings > Switching to low-carbon fuels
 Energy Demand in Buildings > Renewable on-site energy generation
 Energy Demand in Buildings > Carbon emissions reduction from industry
 Energy Demand in Buildings > Building codes and standards
 Energy Demand in Buildings > Financing mechanisms for retrofit
 Energy Supply > Low or zero carbon energy supply generation
 Energy Supply > Optimize traditional power/energy production
 Energy Supply > SMART grid
 Energy Supply > Transmission and distribution loss reduction
 Finance > Instruments to fund low carbon projects
 Finance > ESCO Financing
 Finance > Adaptation infrastructure finance
 Finance > Carbon finance capacity building
 Finance > Carbon finance/markets
 Finance > Green industry development
 Food > Promotion of climate smart eating habits
 Outdoor Lighting > LED / CFL / other luminaire technologies
 Outdoor Lighting > Smart lighting
 Outdoor Lighting > Solar powered lights
 Public Procurement > Encourage sustainable food production and consumption
 Public Procurement > Encourage low carbon products
 Transport > Improve fuel economy and reduce CO2 from ferries
 Transport > Improve rail, metro, and tram infrastructure services and operations
 Transport > Improve fuel economy and reduce CO2 from bus and/or light rail
 Transport > Improve bus infrastructure, services, and operations
 Transport > Infrastructure for non-motorized transport
 Transport > Awareness and education for non-motorized transport
 Transport > Improve fuel economy and reduce CO2 from aviation
 Transport > Transportation demand management
 Transport > Improve fuel economy and reduce CO2 from motorized vehicles
 Transport > Improve the efficiency of freight systems
 Transport > Improve fuel economy and reduce CO2 from trucks
 Transport > Improve the operations of shipping ports
 Transport > Improve the accessibility of public transit systems
 Transport > SMART public transport
 Urban Land Use > Compact cities
 Urban Land Use > Transit oriented development
 Urban Land Use > Greenspace and/or bio-diversity preservation and expansion
 Urban Land Use > Brownfield redevelopment programs
 Urban Land Use > Eco-district development strategy
 Urban Land Use > Low carbon industrial zones
 Urban Land Use > Urban agriculture
 Urban Land Use > Limiting urban sprawl
 Waste > Waste prevention policies and programs
 Waste > Recycling or composting collections and/or facilities
 Waste > Integrated waste management
 Waste > Landfill management
 Waste > Improve the efficiency of waste collection
 Waste > Improve the efficiency of long-haul transport
 Water > Water recycling and reclamation
 Water > Water metering and billing

Appendix D

Water > Methane recovery for reuse
Water > Wastewater to energy initiatives
Other