Introduction

We invite a reply to the following questions. The deadline for response is 29 March 2013.

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@cdproject.net.

The following sources of support are available to responding cities:

- 2013 Reporting Guidance: https://www.cdproject.net/en-US/Programmes/Documents/CDP-Cities-Reporting-Guidance-2013.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@cdproject.net or kyra.appleby@cdproject.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 2013 reporting guidance (see https://www.cdproject.net/en-US/Programmes/Documents/CDP-Cities-Reporting-Guidance-2013.pdf).

Please answer the questions comprehensively while also assessing the relevance of the information you provide. Further explanation is provided in the CDP Cities 2013 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.

This year, CDP is piloting a rating methodology to assess questionnaire completeness. The methodology will be available on our website as of 3 January 2013. We will evaluate answers to some questions according to this methodology. No results from this pilot 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 2013, 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]

Risks & Adaptation

Physical Risks

2.0 Do current and/or anticipated physical effects of climate change present significant 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.

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; Unknown; No evaluation done	[Text box]

Risks & Adaptation

Adaptation

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

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

3.1 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 (Q 2.0a).

Effects of climate change	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]

Add row

3.2 Please describe any other efforts you have undertaken or will undertake to ensure business and operational continuity—for both the city government and the businesses located in your city—in the event of a significant weather-related event. [Text box]

Risks & 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	Risk 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]	[Text box]

Add row

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

Opportunities

Opportunities

5.0 Does climate change present 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]

Add row

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: Companies, entities or departments over which operational control is exercised; Companies, entities, or departments over which financial control is exercised; Companies, entities, or departments of which a majority equity share is held; 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.
[List of values: Chicago Climate Exchange; 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]

LGO 1.3a Please explain your methodology (including use of additional protocol), methods of calculation, and processes for data collection. [Text box]

Emissions – Local Government Operations

Energy Data

LGO 1.4 Please give the total amount of fuel 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 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 CO2e emitted	Total Scope 2 activity in metric tonnes CO2e 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 explain why your emissions have increased, decreased, or stayed the same from the previous year. [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.
[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); Other]

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
[Numeric field]	[Numeric field]

Emissions- Community

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 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 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 [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 explain why your emissions have increased, decreased, or stayed the same from the previous year. [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 city government operations? [List of values: Yes; No]

6.0a *If yes:* Please provide details of your 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 – 2012; Other]	[Numeric field]	[Numeric field]	[Text box]	[List of values: 2010 – 2020; Other]	[Text box]

Add row

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

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

Emissions reduction activity	Anticipated emissions reduction over lifetime (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 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 – 2012; Other]	[Numeric field]	[Numeric field]	[Text box]	[List of values: 2010 – 2020; Other]	[Text box]

Add row

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

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

Emissions reduction activity	Anticipated emissions reduction over lifetime (metric tonnes CO2e)	Action description
[List of values: Appendix C]	[Numeric field]	[Text box]

Add row

Strategy

Planning

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

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

8.1a *If yes:* Please describe the ways that the master plan is designed to reduce GHG emissions. [Text box]

8.2 Please describe any renewable energy targets or goals and how the city plans to meet those targets. [Text box]

Water

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.

Risks	Timescale	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]	[Text box]

Add row

9.0b *If yes:* Please describe the actions (on the supply and demand side) you are taking to reduce the risks to your city's water supply. [Text box]

9.0c *If no:* Please explain why you do not consider your city to be exposed to any substantive water-related risk. [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 2013 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 2013, 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 29 March 2013. 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@cdproject.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

Air quality initiatives
Community engagement/education
Projects or policies targeted at those most vulnerable
Disease prevention measures
Economic diversification measures
Crisis management including warning and evacuation systems
Crisis planning and practice exercises
Storm water capture systems
Flood defences – development and operation & storage
Restrict development in flood risk areas
Protect land from development
Tree planting and/or creation of green space
Shading in public spaces, markets
Green roofs
White roofs
Cooling systems for critical infrastructure
Community solar projects
Increase share of renewable energy standards
Reduce power consumption
Retrofit of existing buildings
Building resilience and resistance measures
Additional reservoirs and wells for water storage
Awareness campaign/education to reduce water use
Diversification of water supply
Drought resistant crops
Promoting low flow technologies
Maintenance/repair – leaking infrastructure
Water butts/rainwater capture
Water use restrictions
Xeriscapes – low water landscaping design
Other

Appendix B

Appendix B: Fuel Type

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

Appendix C

Appendix C: Fuel or Energy Type

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

Appendix D

Appendix D: Emissions reduction activities

Education > Climate change-focused curriculum
Energy Demand in Buildings > Building codes and standards
Energy Demand in Buildings > Building performance rating and reporting
Energy Demand in Buildings > Energy efficiency/retrofit measures
Energy Demand in Buildings > Financing mechanisms for retrofit
Energy Demand in Buildings > Renewable on-Site energy generation
Energy Demand in Buildings > Switching to low-carbon fuels
Energy Supply > Clean energy procurement strategies
Energy Supply > Combined heat and power
Energy Supply > Low or zero carbon energy supply generation
Energy Supply > Smart grid
Energy Supply > Transmission and distribution loss reduction
Finance > Adaptation infrastructure finance
Finance > Carbon finance / markets
Finance > Carbon finance capacity building
Finance > Clean technology funds
Finance > ESCO financing
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 low carbon products
Public procurement > Encourage sustainable food production and consumption
Transport > Infrastructure for non-motorized transport
Transport > Improve fuel economy and reduce CO2 from motorized vehicles
Transport > Improve the accessibility to public transit systems
Transport > Improve fuel economy and reduce CO2 from bus and/or light rail operations
Transport > Improve bus transit times
Transport > Improve the efficiency of freight systems
Transport > Transportation demand management
Urban Land Use > Brownfield redevelopment programs
Urban Land Use > Limiting urban sprawl
Urban Land Use > Greenspace and/or bio-diversity preservation and expansion
Urban Land Use > Transit oriented development
Urban Land Use > Urban agriculture
Urban Land Use > Compact cities
Urban Land Use > Eco-district development strategy
Water > Methane recovery for reuse
Water > Wastewater to energy initiatives
Water > Water metering and billing
Water > Water recycling or reclamation
Waste > Improve the efficiency of long-haul transport
Waste > Improve the efficiency of waste collection
Waste > Integrated waste management
Waste > Landfill gas capture
Waste > Recycling or composting collections and/or facilities
Waste > Waste prevention policies or programs
Waste > Waste to energy
Other