



## CDP Cities 2016 Information Request New Taipei City Government

### Module: Introduction

#### Page: Introduction

**0.1**  
Please give a general description and introduction to your city including your city's boundary in the text box below.

Administrative boundary	Description of city
City/Municipality	Situated in the northern part of Taiwan, surrounding the country's capital; New Taipei City has an estimated population of over 3.9 millions and an area of 2052 km <sup>2</sup> . Since 2010, the city has become one of the newest cabinet levels of municipality of the Republic of China with the present Mayor being Dr. Eric Liluan Chu. Given its location advantages, today's New Taipei City is a major city of Business Industries second to Taipei City, with over 250,000 privately owned companies and 20,000 factories, which sums up to a total capital of NTD.1.8 Trillion. The High technology industry alone generates annual revenue of NTD.4.0 Trillion. High Technology, Service and Tourism are all part of the major industries in New Taipei City, attracting a high volume of job forces from all over the country with abundant employment opportunities. As a result, 70% of the population is from different part of Taiwan. New Taipei City has been on a mission, stresses on the importance of raising global competitiveness by working closely on industrial, cultural, tourism, transportation and city developments in order to accommodate the global trend; transforming into an international city.

**0.2**  
Emissions Accounting Choice

Reporting emissions is optional for all cities. 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' emissions).

Select 'Community' to report emissions from the entire city area over which the city government can exercise a degree of influence through the policies and regulations they implement (sometimes referred to as 'geographic' or 'city-wide' emissions).

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

IF YOU HAVE NO FUEL AND/OR GREENHOUSE GAS EMISSIONS TO REPORT DO NOT CHECK EITHER BOX.

Government  
Community

### Module: Governance

#### Page: City Details

**0.3**  
Please provide information about your city's Mayor in the table below.

Leader title	Leader name	Current term start	Current term end	Total time in office (years)
Mayor	Chu Li-luan	2010	2018	

**0.4**  
Please provide details of your city's annual operating budget.

Annual operating budget	Currency	Budget year start	Budget year end
4737113	USD US Dollar	Thu 01 Jan 2015	Thu 31 Dec 2015

## 0.5

Please provide details of your city's current and projected population.

Current population	Current population year	Projected population	Projected population year
3966818	2014	4100000	2025

## 0.6

Please provide details of your city's GDP.

GDP	Currency	Year of GDP	Source
530043000000	USD US Dollar	2014	Gross Domestic Product by Expenditures, National Statistics, R.O.C (Taiwan) (2016)

## 0.7

Please provide further details about the geography of your city.

Average annual temperature (in Celsius)	Land area (in square km)	Average altitude (m)	Longitude (e.g. -120.9762)	Latitude (e.g. 41.25)
21	2053	10	121.47	25.01

## Page: Governance

## 1.0

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

We formulated corresponding emissions reduction targets in accordance with greenhouse gas reduction and energy efficiency targets drawn up by Executive Yuan, and developed relevant carbon reduction policies and strategies.

In addition, Central government published "Adaptation Strategy to Climate Change in Taiwan" in 2012. We followed the principle and assessment process recommended in the report to implement city-wide vulnerability assessment.

Overall, New Taipei City Government makes efforts with central government to prepare for the impacts of climate change by drawing up local policy on the basis of national climate change policy and activities.

## 1.1

Does your city incorporate desired sustainability goals and targets (e.g. GHG reductions) into the master planning for the city?

Response	Description
Yes	According to the strategic plan (2013-2016) issued by New Taipei City government, Economic development department, Education department, Environmental protection department, Urban and rural development department and Transportation department combine their efforts to build up New Taipei City as low-carbon city. The measurements could be classified into 5 aspects: green building, green transportation, green energy, resource recycling and sustainable living environment. 1.Green building: We encourage departments, schools and low-carbon communities to install green roof and wall. And under the assessment framework for new buildings, developers and the building will be asked to receive silver certification of green building mark. 2. Green transportation: We have built up an automatic public bicycle system throughout the city, we will keep operating and increasing its density; besides, we also actively promote the electric vehicles and scooters by completing its infrastructure. 3. Green energy: We assist industry to improve their production process and energy efficiency, and encourage public and privacy buildings to install renewable energy equipments (especially solar PV) to achieve our renewable energy target. 4. Resource recycling Environmental protection department promote second-hand items recycling, recycle bag and biogas power generation to reduce waste and energy consumption. 5. Sustainable living environment We promote energy saving service to private sector; subsidize the reform of community and elect little chiefs of environmental protection bureau to achieve sustainable living environment in many ways. In addition, we also review our targeted performance & achievement on GHG reduction strategies every year by annual project.

## 1.2

Please describe how your city collaborates with businesses in your city on sustainability issues or projects?

We established the "New Taipei City Green Industry Association" to build capacity of the green energy industry, government, academia, research and development platform for the series of upper, middle and lower reaches of the green energy industry chain, promote economic development.

While achieving the green energy industry promotion of strategic objectives and enhance the new Taipei green energy industry's core competitiveness, resource introduce and cross-sector integration, implement the development of green industry clusters, marketing new North carbon, healthy, livable city green energy city

## Module: Risks & Adaptation

### Page: Climate Hazards

**2.0**  
Has a climate change risk or vulnerability assessment been undertaken for your local government area?

Yes

**2.0a**  
Please attach and provide details on your climate change risk or vulnerability assessment.

Publication title	Year of publication	Attach the document	Boundary of assessment	Primary author of assessment	Web link
New Taipei City Climate Adaptation Plan	2015	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-2.0a-C3-AttachtheDocument/150923.pdf">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-2.0a-C3-AttachtheDocument/150923.pdf</a>	City/Municipality		

**2.0b**  
Please select the primary process or methodology used to undertake the risk or vulnerability assessment of your city.

Primary methodology	Description
UK Climate Impacts Partnership Framework (UKCIP)	

**2.1**  
Do the current and/or anticipated effects of climate change present a significant risk to your city?

Yes

**2.1a**  
Please list the most significant climate hazards currently faced by your city and indicate the probability and consequence of these hazards.

Climate hazards	Probability of hazard	Consequence of hazard
Other: Extreme hot weather	Medium	Medium High
Drought	Medium	Medium High
River flood	Medium	Medium High
Landslide	Medium	Medium High
Vector-borne disease	Medium	Medium High

**2.1c**  
Please identify how you expect climate change to affect the frequency and intensity of the hazards faced by your city and when you expect to experience those changes.

Climate hazards	Change in frequency	Change in intensity	Anticipated timescale
Other: Extreme hot weather	Increasing	Increasing	Current
Drought	Increasing	Increasing	Current
River flood	Increasing	Increasing	Current
Landslide	Increasing	Increasing	Current
Vector-borne disease	Increasing	Increasing	Current

### Page: Climate Hazards II

**2.1d**  
Please describe the magnitude of the impact of these hazards and identify three critical assets or services that may be most impacted.

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Climate hazards	Magnitude of impact	Impact description	Asset or service	Asset or service	Asset or service
Other: Extreme hot weather	Serious	Due to the continual rise in the ratio of senior population of New Taipei City and without the consideration of improved adaptability, the ratio of senior population in some Districts are high with inadequate number of medical institutions.	Health and community	Emergency services	Food and agriculture
Drought	Less serious	The change for future precipitation still appears in increasing trend and hence is assessed as low level hazard.	Water	Other:	Food and agriculture
River flood	Serious	The disaster potential for the overall river banks of New Taipei City is mostly medium level with sporadic areas with high level hazard.	Residential	Commerical	Other:
Landslide	Serious	The environmental sensitive area of New Taipei City is analyzed as medium sensitive and hence assessed as medium hazard.	Residential	Emergency services	Commerical
Vector-borne disease	Serious	The number of dengue fever cases in New Taipei City continues to rise in the last 9 years and is assessed as medium level hazard.	Health and community	Emergency services	Commerical

## 2.2

**Do you consider that the effects of climate change could threaten the ability of businesses to operate successfully in your city?**

Response	Explanation
Yes	Higher temperature and increased frequency of extreme rainfall caused by climate change may increase operating cost of industries and reduce service quality of government, such as more energy consumption and unstable communication service during typhoon period. However, our infrastructure and soft measures (such as training) ought to support us to deal with climate change properly.

## Page: Adaptation

## 3.0

**Please describe the process by which the city reviews its progress and manages overall responsibility for climate change adaptation.**

We completed a climate change adaptation project in 2013, and we also updated the project in 2015. It summarizes the impacts we are facing and their vulnerabilities.

## 3.1

**Has the Mayor or local government committed to adapting to climate change across the geographical area of the city, town or settlement?**

Yes

## 3.1a

**Please select the type of commitment(s) and attach evidence.**

Type of commitment	Attach	Comments
Compact of Mayors	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-3.1a-C2-Attachment/Commitment%20and%20Badges%20New%20Taipei%20(3).pdf">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-3.1a-C2-Attachment/Commitment and Badges_New Taipei (3).pdf</a>	Signed declaration for "International Summit on Climate Change and Low Carbon Metropolises" Declaration:Urban Empowerment for Sustainable Development The rights for future generation must be protected to ensure continued access to clean water, pure air, energy supply, biodiversity and climatic conditions that preserve coastlines while diminishing risks of extreme storms and droughts.

## 3.2

**Does your local government have a plan that addresses climate change adaptation?**

Yes

**3.2a**

Please provide more information on your plan that addresses climate change adaptation and attach the document.

Publication title	Year of publication	Attach the document	Scope of plan	Area under your city's control	Primary author of plan
New Taipei City Climate Adaptation Action Plan	2015	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-3.2a-C3-Attachment/150923.pdf">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-3.2a-C3-Attachment/150923.pdf</a>	City/Municipality		

**3.3**

The Compact of Mayors requires cities to complete [these additional questions](#) on the climate hazards affecting your city and your city's plans to adapt to these hazards. Other cities wishing to disclose further detail about their adaptation efforts are also encouraged to fill out the download.

[https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-3.3-Adaptation/CRAFT\\_Questionnaire\\_CDP-Download.xlsm](https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-3.3-Adaptation/CRAFT_Questionnaire_CDP-Download.xlsm)

**3.4**

Please describe the actions you are taking to reduce the risk to, or vulnerability of, your city's infrastructure, citizens, and businesses from climate change as identified on the previous page.

Climate hazards	Action	Action description
Other: Extreme hot weather	Disease prevention measures	
Drought	Awareness campaign/education to reduce water use	New Taipei City Environment Education Mid-Range Plan
River flood	Crisis management including warning and evacuation systems	New Taipei City Disaster Prevent Plan
Landslide	Landslide risk mapping	Disaster potential map
Vector-borne disease	Crisis management including warning and evacuation systems	New Taipei City Disaster Prevent Plan

**Page: Social Risks****4.0**

Does your city face any social risks as a result of climate change?

Yes

**4.0a**

Please complete the table

Social risks	Anticipated timescale in years	Impact description
Increased demand for public services (including health)	Current	Extreme hot weather

**Module: Opportunities****Page: Opportunities****5.0**

Does climate change present any economic opportunities for your city?

Yes

**5.0a**

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

Development of new business industries (e.g. clean tech)	1. Solar energy industries have been engaged to offer one-stop services for the public. energy conservation improvement guided by mode of ESCO. 2. We promote pilot project for electricity vehicle in accordance with central government policy, aiming to increase the use of electric vehicles (EVs) by raising the public's understanding of electric vehicle and building up friendly electric vehicle charging environment.
Additional funding options	Some banks are committed to support solar PV installation by reducing financing threshold.
Improved efficiency of operations	We improve our energy efficiency through many measures, such as reduce electricity/oil consumption in public sector, upgrade traffic lights control and convert the gasoline engines to propane in public sheets etc.
Increased energy security	We subsidize non-public buildings (Non-governmental organizations, companies, community committees, academic institutions etc.) to install the solar energy equipment.
Increased attention to other environmental concerns	We hold several explanation sessions to increase public awareness of various environmental issues, host environmental education activity "Little chief of environmental protection bureau" to make our children develop respect and a caring attitude for the environment. We also offer cash incentives to public to save energy by holding energy saving contests.
Increased infrastructure investment	In order to reduce carbon emissions and increase energy efficiency, we cooperate with private company to implement public lighting LED replacement project and install smart metering system at school, we also actively promoting the ESCO industries to invest low-carbon businesses.

### 5.1

List any climate change-related projects for which you hope to attract private sector involvement, and provide any details on the estimated cost of the project

Project area	Project description	Cost of project (USD\$)
Renewable energy	Promotion of solar photovoltaic power generation system	
Energy efficiency/retrofit	Replacement of energy-efficient lighting equipment	
Transport	Promotion of Electric Scooter	

## Module: Emissions - Local Government Operations

### Page: Local Government - Methodology

#### LGO1.0

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.

Wed 01 Jan 2014 - Wed 31 Dec 2014

#### LGO1.1

Please indicate the category that best describes the boundary of your municipal GHG emissions inventory.

Departments, entities or companies over which operational control is exercised

#### LGO1.2

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

Source of emissions	Status
Airport(s)	Not applicable
Buildings	Included
Buses	Included
Electricity generation	Not included
Electricity transmission and distribution	Not included
Employee commuting	Not included
Incineration of waste	Included
Landfills	Not included
Local trains	Not included
Maritime port	Not included
Municipal vehicle fleet	Included
Regional trains	Not included
Roads / highways	Not included

Street lighting and traffic signals	Included
Subway / underground	Not included
Thermal energy	Not included
Waste collection	Included
Wastewater treatment	Not included
Water supply	Not included
Unknown source	Not included
Total	Included

**LGO1.3**

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

Primary protocol	Comment
Other:	Guideline of GHG accounting and inventory issued by Taiwan EPA, which mainly refer to the "International Emissions Analysis Protocol (ICLEI)" and "2006 IPCC Guidelines for National Greenhouse Gas Inventories"

**LGO1.4**

Which gases are included in your emissions inventory? Tick all that apply.

CO2  
PFCs  
CH4  
SF6  
N2O  
HFCs

**Further Information**

**Page: Local Government - Energy Data**

**LGO1.5**

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

Source	Fuel	Amount	Units
Buildings	Natural gas	144091	m3 (cubic meters)
Buildings	Liquefied Petroleum Gas (LPG)	185.160	Metric tonnes
Buildings	Liquefied Natural Gas (LNG)	161305	m3 (cubic meters)
Buildings	Residual fuel oil	986	L
Buildings	Biodiesel	360	L
Buses	Diesel/Gas oil	50108.43	L
Buses	Motor gasoline (petrol)	561772.03	L
Municipal vehicle fleet	Motor gasoline (petrol)	1307053.55	L
Municipal vehicle fleet	Diesel/Gas oil	413859.6	L
Municipal vehicle fleet	Liquefied Petroleum Gas (LPG)	90.544	Metric tonnes

**LGO1.6**

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

Source	Type	Amount	Units
Buildings	Electricity	259097124	kWh

**Page: Local Government - GHG Emissions Data**

**LGO1.7**

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

147134.50

**LGO1.8**

If applicable, please provide the following GHG emissions.

**Scope 1: All direct GHG emissions**

**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 <sub>2</sub> e emitted	Total Scope 2 activity in metric tonnes CO <sub>2</sub> e emitted
12144.90	134989.60

#### LGO1.9

Do you measure Scope 3 emissions?

No

#### LGO1.9b

Please explain why not and detail your plans to do so in the future, if any.

Nation's communication has measured the emissions by material flow analysis method; it covers most of Scope 3 emissions, so we just focus on measuring Scope 1 and Scope 2 emissions.

#### LGO1.11

Where it will facilitate a greater understanding of your government emissions, please provide a breakdown of these emissions by department, facility, source, or by any other classification system used in your city.

Department / Facility / Source / Other	Scope	Emissions (metric tonnes CO <sub>2</sub> e)
Public Works Department	Scope 1	112.70
Public Works Department	Scope 2	4319.70
Public Works Department	Total figure	4432.40
Cultural Affairs Department	Scope 1	3762.44
Cultural Affairs Department	Scope 2	3017.93
Cultural Affairs Department	Total figure	6780.37
Water Resources Department	Scope 1	1079.32
Water Resources Department	Scope 2	2781.61
Water Resources Department	Total figure	3860.93
Department of Budget, Accounting and Statistics	Scope 1	8.86
Department of Budget, Accounting and Statistics	Scope 2	0
Department of Budget, Accounting and Statistics	Total figure	8.86
Civil Affairs Department	Scope 1	1853.55
Civil Affairs Department	Scope 2	3081.25
Civil Affairs Department	Total figure	4934.80
Land Administration Department	Scope 1	264.66
Land Administration Department	Scope 2	2098.23
Land Administration Department	Total figure	2362.89
Legal Affairs Department	Scope 1	4.38
Legal Affairs Department	Scope 2	0
Legal Affairs Department	Total figure	4.38
Social Affairs Department	Scope 1	382.47
Social Affairs Department	Scope 2	2037.13
Social Affairs Department	Total figure	2419.60
Urban and Rural Development Department	Scope 1	7.42
Urban and Rural Development Department	Scope 2	64.48
Urban and Rural Development Department	Total figure	71.90
Hakka Affairs Department	Scope 1	1.97
Hakka Affairs Department	Scope 2	577.11
Hakka Affairs Department	Total figure	579.07
District office	Scope 1	1072.01
District office	Scope 2	6156.06
District office	Total figure	7228.06
Indigenous Peoples Department	Scope 1	1.29
Indigenous Peoples Department	Scope 2	160.65
Indigenous Peoples Department	Total figure	161.93
Fire Department	Scope 1	4294.31



Fire Department	Scope 2	3548.43
Fire Department	Total figure	7842.74
Secretariat	Scope 1	236.03
Secretariat	Scope 2	11624.97
Secretariat	Total figure	11861.0
Finance Department	Scope 1	97.45
Finance Department	Scope 2	1566.23
Finance Department	Total figure	1663.68
Education Department	Scope 1	28187.23
Education Department	Scope 2	62363.2
Education Department	Total figure	90550.43
Labor Affairs Department	Scope 1	65.08
Labor Affairs Department	Scope 2	388.89
Labor Affairs Department	Total figure	453.97
Agriculture Department	Scope 1	257.98
Agriculture Department	Scope 2	574.73
Agriculture Department	Total figure	832.71
Public Health Department	Scope 1	854.97
Public Health Department	Scope 2	6040.95
Public Health Department	Total figure	6895.92
Environmental Protection Department	Scope 1	788017.32
Environmental Protection Department	Scope 2	1556.90
Environmental Protection Department	Total figure	789574.22
Police Department	Scope 1	9405.08
Police Department	Scope 2	8443.37
Police Department	Total figure	17848.45

**LGO1.12**

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
Other:	We have encouraged departments to voluntarily disclose their emissions for many years. We will keep promoting and assisting them to complete the inventory.

**Page: Local Government - External Verification**

**LGO1.13**

Has the GHG emissions data you are currently reporting been externally verified or audited in part or in whole?

No

**LGO1.13b**

Please describe your plans to verify your emissions in the future.

We intend to ask for relevant consultants' help with inventory report reviewing.

**Module: Emissions - Community**

**Page: Community - 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.

Wed 01 Jan 2014 - Wed 31 Dec 2014

**C1.1**

Please indicate the category that best describes the boundary of your community GHG emissions inventory.

Administrative boundary of a local government

**Page: Community - GHG Emissions Data**

**C1.2**

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

Primary protocol	Comment
Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI)	GHG Protocol is working to give cities the standards and tools they need to measure their emissions, build more effective emissions reduction strategies, set measurable and more ambitious emission reduction goals, and to track their progress more accurately and comprehensively.

**C1.3**

Which gases are included in your emissions inventory? Tick all that apply.

CO2  
PFCs  
CH4  
SF6  
N2O  
HFCs

**C1.4**

Please detail total (Scope 1 + Scope 2) emissions for your community, in metric tonnes CO2e and provide a comment on the level of confidence in the accuracy of your community emissions figure.

Total emissions (metric tonnes CO2e)	Attach your inventory	Level of confidence	Comment on level of confidence
17233924		Medium	

**C1.5**

If applicable, please provide a breakdown of your GHG emissions by scope.

Scope	Metric tonnes CO2e	Level of confidence
Scope 1 emissions excluding emissions from grid-supplied energy generation	6149934	
Scope 1 emissions from grid-supplied energy generation within the city boundary	0	
Total Scope 1 emissions (Row 1 + Row 2)	6149934	
Total Scope 2 emissions	11083990	

**C1.9a**

Please provide a summary of emissions by sector and scope as defined in the Global Protocol for Community Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI). Please complete the corresponding emissions for each row in the table below.

Sector and scope (GPC reference number)	Emissions (metric tonnes CO2e)
Stationary Energy: energy use – Scope 1 (I.X.1)	2823995
Stationary Energy: energy use – Scope 2 (I.X.2)	10512993
Stationary Energy: energy use – Scope 3 (I.X.3)	429981
Stationary Energy: energy generation supplied to the grid – Scope 1 (I.4.4)	0
Transportation – Scope 1 (II.X.1)	4478849
Transportation – Scope 2 (II.X.2)	72170
Transportation – Scope 3 (II.X.3)	305598
Waste: waste generated within the city boundary – Scope 1 (III.X.1)	357891
Waste: waste generated within the city boundary – Scope 3 (III.X.2)	0
Waste: waste generated outside the city boundary – Scope 1 (III.X.3)	0
Industrial Processes and Product Use – Scope 1 (IV)	30390
Agriculture, Forestry and Land Use – Scope 1 (V)	11239
TOTAL Scope 1 (Territorial) emissions	7702365
TOTAL BASIC emissions	18245899
TOTAL BASIC and BASIC+ emissions	19023108

**C1.9b**

Please provide a breakdown of fuel use and emissions by subsector and scope as defined in the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC), (WRI, C40 and ICLEI) and attach GHG emissions report. Download the GPC Reporting Tool [here](#).



technologies

streetlight retrofit program and record their water use.

**Page: GHG Emissions Reduction - Community****7.0**

Please describe the process by which the city reviews its progress and manages overall responsibility for emissions reduction.

We use check lists to check the progress and manages every year.

**7.1**

Does your city have a climate change action plan for reducing GHG emissions?

Yes

**7.1a**

Please attach your city's climate change action plan below.

Publication title	Year of publication	Attach	Web link
Eco New Taipei City – Ecology and Conservation Maintenance and Promotion	2015	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-7.1a-C3-AttachPlan/生態新北市-生態保育維護與宣導工作_E.docx">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-7.1a-C3-AttachPlan/生態新北市-生態保育維護與宣導工作_E.docx</a>	
New Taipei City Regional Plan	2015	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-7.1a-C3-AttachPlan/新北市區域計畫-新北市氣候變遷行動計畫_E.docx">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-7.1a-C3-AttachPlan/新北市區域計畫-新北市氣候變遷行動計畫_E.docx</a>	
New Taipei City Green Doctor	2014	<a href="https://www.cdp.net/sites/2016/76/56276/CDP%20Cities%202016/Shared%20Documents/Attachments/Cities-7.1a-C3-AttachPlan/環-新北綠華佗_E.docx">https://www.cdp.net/sites/2016/76/56276/CDP Cities 2016/Shared Documents/Attachments/Cities-7.1a-C3-AttachPlan/環-新北綠華佗_E.docx</a>	

**7.2**

Do you have a GHG emissions reduction target in place for your community?

Yes

**7.2a**

Please provide details of your total city-wide emissions reduction target. In addition you may provide details of your sector-specific targets, by providing the baseline emissions specific to that target.

Sector	Define target boundary	Baseline year	Baseline emissions (metric tonnes CO2e)	Percentage reduction target	Target date	Comment
Total	Administrative boundary of a local government	2006	18487331	0%	2016	
Total	Administrative boundary of a local government	2008	19122376	20%	Other: 2026	

**7.3**

What actions are you undertaking to reduce emissions city-wide?

Emissions reduction activity	Anticipated emissions reduction – cumulative over the lifetime of the action (metric tonnes CO2e)	Action description
Energy efficiency/ retrofit measures		Low-carbon society / Facilities replacements in school
Building standards		Green building standards
Green space and/ or biodiversity preservation and expansion		Green space
Urban agriculture		Roof agriculture
Instruments to fund low carbon projects		Subsidy regulation of low carbon society
LED / CFL / other luminaire		streetlamp replacements

technologies		
Improve rail, metro, and tram infrastructure, services and operations		Taipei Metro constructions
Transportation demand management		Carpool
Landfill management		Biogas power generation

## Page: Renewable Energy

### 8.0

Please indicate the energy mix of your electricity at the city-wide scale.

Energy source	Percent
Coal	37.60%
Gas	32.30%
Oil	2.90%
Nuclear	18.60%
Hydro	3.40%
Biomass	2.00%
Wind	
Geothermal	
Solar	

### 8.1

Does your city have a renewable energy or electricity target?

Yes - my city has a renewable electricity target

### 8.1a

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)
City-wide		15%	Other: 2026	Develop solar PV (photovoltaic) system and other renewable energy by organizing a one-stop service.

## Page: Water Supply Risks

### 9.0

Do you foresee substantive risks to your city's water supply in the short or long term?

Yes

### 9.0a

Please identify the risks to your city's water supply as well as the timescale and level of risk.

Risks	Timescale	Level	Risk description
Increased water stress or scarcity	Current	Less serious	According to the "Climate Change in Taiwan: Scientific Report 2011", in the future, the precipitations during summer and fall seasons are likely to increase while decreasing during spring and winter seasons in North Taiwan. The phenomenon may bring out adverse impact on water supply stability. Water scarcity will worsen public's life quality. However, according to the analysis result of "Regional water management project of Northern Taiwan", it shows that the risk of water supply is low.

## Page: Water Supply Management

### 9.1

Please describe the actions you are taking to reduce the risks to your city's water supply.

Risks	Adaptation action	Action description

Increased water stress or scarcity	Conservation awareness and education	We subsidize communities to retrofit their high-water consumption applications, promote water-use recording and water reclamation and reuse by "Regulations for reforming grants to low-carbon community".
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