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CDP Cities 2017 - 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	Situating in the northern part of Taiwan, surrounding the country's capital; New Taipei City has an estimated population of over 3.97 millions and an area of 2,052 km2. 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.

Community

M0.0

Would you like CDP to use the responses provided in the main questionnaire as your city's submission to the Global Covenant of Mayors for Climate and Energy (Compact of Mayors)?

Yes - use my main CDP response as my Global Covenant submission

M0.1.

If registering intent of compliance with the Compact of Mayors, please attach your letter.

[Full Compliance letter New Taipei.pdf](#)

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	8

0.4

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

Annual operating budget	Currency	Budget year start	Budget year end
4968491462	USD US Dollar	Fri 01 Jan 2016	Sat 31 Dec 2016

0.5

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

Current population	Current population year	Projected population	Projected population year
3970644	2016	4100000	2025

0.6

Please provide details of your city's GDP.

GDP	Currency	Year of GDP	Source
529676000000	USD US Dollar	2016	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	2052		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.

National Development Council develops "Taiwan integrated research program on Climate Change Adaption Technology, TaiCCAT", supports units or companies to assess the risk or vulnerability. We

used "TaiCCAT" to assess the risk of our city since 2016.

1.1

Please describe how your city manages overall responsibility for climate change mitigation (emissions reduction) and adaptation (climate risk reduction).

1. We publish inventory report every year and make forward planning on reduction strategies and measures. We also updated the climate action plan in 2016. It summarizes the impacts we are facing and their vulnerabilities, in addition, we also made local adaptation action plan of New Taipei City.
2. We recognize "New Taipei City Climate Change Group" to tackle climate change. Members of group have monthly platform meeting to discuss and decide the target amount of GHG emission.
3. We set target follows:
The 1st Step: GHGs Emission in 2016 must be the same with 2008. The 2nd Step: GHGs Emission in 2030 must be lower than 75% in 2005. The 3rd Step: GHGs Emission in 2050 must be lower than 50% in 2005. We have achieved the goal in 2016.

1.2

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

Response	Description
Yes	New Taipei City Regional Plan

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. Please provide details on the boundary of your assessment, and where this differs from your city's boundary, please provide an explanation.

Publication title	Year of publication	Attach the document	Web link	Boundary of assessment relative to city boundary (reported in 0.1)	Explanation of boundary choice	Primary author assessor
New Taipei City Climate Adaptation Action Plan	2015	New Taipei City Climate Adaptation Action Plan.pdf		Same – covers entire city and nothing else	depends on the jurisdiction of local government	Consultant
New Taipei City Climate Change Adaptation	2016	Climate_change_adaptation2016.pdf		Same – covers entire city and nothing else	depends on the jurisdiction of local government	Consultant

2.0b

Please select the primary process or methodology used to undertake the risk or vulnerability assessment of your city. If your city uses a combination of methodologies, please select the main methodology used.

Primary methodology	Description
Other:	Taiwan integrated research program on Climate Change Adaptation Technology, TaiCCAT

M2.3b.

If your city has a climate risk or vulnerability assessment, please describe how your city's climate change risk or vulnerability assessment addresses the following key areas, and provide details on the location of this

evidence within your assessment.

Key requirements	Proof statement	Page number	Publication title
Assessment of impact of current hazards	New Taipei City is subject to the subsequent disasters caused by typhoon and earthquakes such as flood, landslide and mudslides, where injuries and mortalities frequently take place.	6	Natural Disasters
Assessment of impact of future hazards	Due to the fast territory of New Taipei City, the hazard identification of this section refers to the use of meteoric observation data, relevant research literature and geographic data for analysis and support. Additionally to focus on the key research, the plan also determines the degree of impact for each hazard preliminarily and chooses the hazard with medium level of impact as subsequent target of disaster potential analysis, vulnerability assessment and risk assessment.	13	Hazard Identification Achievement

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
Extreme hot days	Medium	Medium High
Drought	Medium	Medium High
River flood	Medium	Medium High
Landslide	Medium	Medium High
	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
Extreme hot days	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.**

Climate hazards	Magnitude of impact	Impact description	Asset or service	Asset or service	Asset or service
Extreme hot days	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.	Public health	Emergency Management	Public health

Climate hazards	Magnitude of impact	Impact description	Asset or service	Asset or service	Asset or service
Drought	Less serious	The change for future precipitation still appears in increasing trend and hence is assessed as low level hazard.	Other: 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	Other: Commerical	Other: Industry
Landslide	Serious	The environmental sensitive area of New Taipei City is analyzed as medium sensitive and hence assessed as medium hazard.	Residential	Other: Emergency services	Other: 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.	Other: Health and community	Other: Emergency services	Other: 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

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

Yes

3.0a

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

Type of commitment	Attach	Comments
Compact of Mayors	Commitment and Badges New Taipei.pdf	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.

3.1

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

Yes

3.1a

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

Publication title	Year of publication	Attach the document	Web link	Boundary of plan relative to city boundary (reported in 0.1)	Explanation of boundary choice	Area under your city's control
New Taipei City Climate Adaptation Action Plan	2015	New Taipei City Climate Adaptation Action Plan.pdf		Same – covers entire city and nothing else	Administrative boundary of city governance	
New Taipei City Climate Change Adaption	2016	Climate_change_adaptation2016.pdf		Same – covers entire city and nothing else	Administrative boundary of city governance	

M3.1.b

If your local government has a climate adaptation plan, please describe how the plan addresses the following key areas, and provide details on the location of this evidence within your plan.

Key requirements	Proof statement	Page number	Publication title
Political commitment to adaptation	Taiwan has developed the “Adaptation Strategy to Climate Change in Taiwan” in 2012 to improve and upgrade our national adaptability, reduce social vulnerability, and establish our integrated operation system as the implementation foundation for policy framework and plan promotion.	38	New Taipei City Adaptability Plan
Identification of adaptation actions	1. Promote urban development and create win-win situations for Taipei City and New Taipei City 2. Promote education for all and implement local schooling 3. Maintain community safety and build safe homes 4. Build a garden city and progress toward low-carbon and environmental protection 5. Improve social welfare system and strengthen health care 6. Build a capital city of water governance with strengthened protection for flood	39	New Taipei City Adaptive Vision
Engagement of multiple city government agencies/departments	We organized “New Taipei City Climate Change Group” to tackle climate change. Members of group have monthly platform meeting to discuss and decide the target amount of GHG emission.	1	New Taipei City Climate Change Adaption 2016
Process for regular review of the plan	We organize "New Taipei City Climate Change Group" to tackle climate change. Members of group have monthly platform meeting to discuss and decide the target amount of GHG emission. Review per year		New Taipei City Climate Change Group - meeting per season

3.2

The Global Covenant 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.

[Click here to download the additional questions.](#)

[CRAFT Questionnaire CDP v2\(NTP\).xlsm](#)

3.3

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
Extreme hot days	Heat mapping and thermal imaging	Temperature decreased in urban area
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, New Taipei City Regional Plan
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.

Economic opportunity	Describe how the city is maximizing this opportunity
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

Does your city collaborate with businesses in your city on sustainability issues or projects?

Response	Description
Yes	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.

5.2

List any climate change-related projects for which you hope to attract private sector financing, and provide any details on the estimated overall costs and status of the project. If your city does not have any relevant projects, please select None under Project Area.

Project area	Status of project	Status of financing	Project description	Total cost of project (USD\$)	Total investment cost needed (USD\$)
Renewable energy	Implementation		Promotion of solar photovoltaic power generation system.		
Energy efficiency/retrofit	Pre-feasibility study		Replacement of energy-efficient lighting equipment.		

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.

Thu 01 Jan 2015 - Thu 31 Dec 2015

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

Primary protocol	Comment
Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI)	We inventoried GHG by using the method of GPC, we also inventoried 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".

C1.5

If applicable, please provide a breakdown of your GHG emissions by scope. Where values are not available, please use the comment field to indicate the reason why.

Scope	Metric tonnes CO ₂ e	Level of confidence	Comments
Scope 1 emissions excluding emissions from grid-supplied energy generation	2719315	High	
Scope 1 emissions from grid-supplied energy generation within the city boundary	0		Included Elsewhere
Total Scope 1 emissions (Row 1 + Row 2)	2719315	High	
Total Scope 2 emissions	10560750	High	

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 CO ₂ e)
Stationary Energy: energy use – Scope 1 (I.X.1)	2719315
Stationary Energy: energy use – Scope 2 (I.X.2)	10560750
Stationary Energy: energy use – Scope 3 (I.X.3)	431935
Stationary Energy: energy generation supplied to the grid – Scope 1 (I.4.4)	0
Transportation – Scope 1 (II.X.1)	4522317
Transportation – Scope 2 (II.X.2)	74811
Transportation – Scope 3 (II.X.3)	297791
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)	43109
Agriculture, Forestry and Land Use – Scope 1 (V)	11176
TOTAL Scope 1 (Territorial) emissions	7653808
TOTAL BASIC emissions	18235086
TOTAL BASIC and BASIC+ emissions	19019096

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 \(CIRIS\) here.](#)

Attachment	Document title
2015_清冊to_GPC_V2(20160417).xlsx	2015-清冊toGPC

C1.12

Please indicate if your emissions have increased, decreased, or stayed the same since your last emissions inventory, and please describe why.

Reason for change	Please describe why
Decreased	Saving energy and reducing GHGs emission efficiently.

Further Information

Page: Community - External Verification

C1.13

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

No

C1.13b

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

We prefer to ask for consult's help with inventory report reviewing.

Module: Strategy

Page: GHG Emissions Reduction - Local Government Operations

6.0

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

Yes

6.0a

Please provide details of your local government operations emissions reduction target.

Sector	Define target boundary	Baseline year	Baseline emissions (metric tonnes CO2e)	Percentage reduction target	Target date	Comment
Total	All departments	2007		10%	2016	

6.1

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

Emissions reduction activity	Anticipated emissions reduction – cumulative over the lifetime of the action (metric tonnes CO2e)	Action description
Building performance rating and reporting		Some organization has installed Power Monitoring and Control System to reduce energy consumption, most of organizations implement energy-saving retrofit programe, streetlight retrofit programe and record their water use.
Energy efficiency/ retrofit measures		Some organization has installed Power Monitoring and Control System to reduce energy consumption, most of organizations implement energy-saving retrofit programe, streetlight retrofit programe and record their water use.
LED / CFL / other luminaire technologies		Some organization has installed Power Monitoring and Control System to reduce energy consumption, most of organizations implement energy-saving retrofit programe, streetlight retrofit programe and record their water use.

Page: GHG Emissions Reduction - Community

7.0

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

Yes

7.0a

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

Publication title	Year of publication	Attach	Web link
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Publication title	Year of publication	Attach	Web link
City of New Taipei Climate Action Plan	2015	City of New Taipei Climate Action Plan.pdf	
New Taipei City Climate Change Adaption	2016	Climate change adaptation2016.pdf	

M1.6b

If your city has a climate change action plan, please describe how the plan addresses the following key areas, and provide details on the location of this evidence within your plan.

Key requirement	Proof statement	Page number	Publication title
Political commitment to emissions reduction	City of New Taipei joined the Local Governments for Sustainability (ICLEI) in 2008 as the formal member. In November 2011, it even held the “Low-Carbon City Leader's Summit” participated by 15 cities. It not only provides more opportunities to communicate and cooperate with important international cities and local governments, but also accelerates the growth of City of New Taipei in low-carbon action.	9	Vision
Vision describing city's overall ambition and clear objectives	Being aware of the climate change impact, City of New Taipei actively established a forward-looking agency: “Low-Carbon Community Development Center” in the Environmental Protection Department to carry on the tasks of reducing greenhouse gas emissions and mitigating global warming and environmental concerns. Five major aspects of actions include: “greener building”, “smarter transport”, “cleaner energy”, “more efficiency resources allocation” and “more sustainable life”	11	Leadership and Partnership
Context of the action plan	New Taipei City Government engages our citizens to fight against climate change, and make our city more beautiful, livable, and sustainable on the basis of people-oriented approach.	10	Illustration of Low-Carbon Lifestyle...Let's Act!
Baseline GHG emissions figure	New Taipei City Government has begun to calculate greenhouse gases emissions since 2005. City of New Taipei emitted about 18 million tons carbon dioxide equivalent in 2014.	13	GHG Emissions and Reduction Target
Business as usual GHG emissions forecast	We also assumed and updated our business-as-usual scenario annually to forecast GHG emissions due to 2026, which took population and economic growth into account. The forecast shows that the city may emit 1.94 and 2.2 million ton CO ₂ e in 2016 and 2026 respectively.	14	GHG Emissions and Reduction Target
GHG emissions reduction target	The emission will be back to the level of 2008 by 2016, and 20% of reduction to the level of 2006 will be achieved by 2026. Our baseline year is 2006.	14	GHG Emissions and Reduction Target
Implementation of the action plan	1. Make Building Greener 2. Take Transport More Smartly 3. Produce Cleaner Energy 4. Allocate Resources More Efficiently 5. Live A More Sustainable Life	15	Implementation Plan

Key requirement	Proof statement	Page number	Publication title
Monitoring of the action plan	To make sure that New Taipei is on its way to sustainable city, New Taipei City Government reviews the achievement progress of carbon reduction goal by grasping activity data, calculating emissions and the outcomes of all actions every year. We commit that 2016 back to 2008 level and 20% off by 2026 in 2006 level.	11	Monitoring Plan

7.1

Do you have a GHG emissions reduction target in place for your community? Tick all that apply.

Base year emissions (absolute) target

7.1a

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

Sector	Baseline year	Baseline emissions (metric tonnes CO2e)	Percentage reduction target	Target date	Comment
Other: Stationary energy (buildings)	2005	6449472	25%	2030	
Other: Industrial buildings	2005	7024594	25%	2030	
Transport	2005	4807477	25%	2030	
Waste	2005	510068	25%	2030	

7.2

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
Eco-district development strategy		Comprehensive promotion of green building
Improve fuel economy and reduce CO2 from bus and/or light rail		Involvement of low-carbon concept to design and planning of traffic construction
LED / CFL / other luminaire technologies		Subsidiary for replace of energy saving equipment

Page: Renewable Energy

8.0

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

Energy source	Percent
Coal	36.90%
Gas	36.00%
Oil	4.40%
Nuclear	13.50%
Hydro	1.50%
Biomass	
Wind	
Geothermal	
Solar	
Unknown sources	7.69%

8.1

Does your city have a renewable energy or electricity target for consumption and/or production of energy?

Yes

8.1a

Please provide details of your renewable energy targets and how the city plans to meet those targets.

Scale	Energy types covered by target	Base year	Base year total renewable energy covered by target (in unit specified in column 2)	Base year percentage renewable energy of total energy or electricity	Target year	Target year total renewable energy covered by target (in unit specified in column 2)	Target year percentage renewable energy of total energy	Plans to meet target (include details on types of energy)
City-wide	Total installed capacity of renewable electricity (in MW)	2010	13137	6%	2025	100%	12%	Develop solar PV (photovoltaic) system and other renewable energy by organizing an 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".

Module: Compact of Mayors

Page: COM Overview

Please note

Your Global Covenant (Compact of Mayors) questions are integrated into the main CDP questionnaire and highlighted in blue. Please ensure you respond to those questions.

As you have selected to submit your data to the Global Covenant (Compact of Mayors) through the main CDP response (in question M0.0 on the Introduction page), no questions will be visible on this page.

Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

Page: COM GHG Emissions Inventory

Please
note

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Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

Page: COM GHG Emissions Reduction

Please
note

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Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

Page: COM Climate Hazards

Please
note

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Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

Page: COM Climate Hazards II

Please
note

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Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

Page: COM Adaptation

Please
note

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Submitting your response

Once your response is complete, please return to the Home page, check the box next to the "Global Covenant module" and click Submit.

CDP: [X][-,][P2]



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A company limited by guarantee registered in England no. 05013650

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