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CDP Cities 2017 - Tainan 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	There are 1.89 million people and 2191.65 square kilometer in the jurisdiction .Tainan is the cradle of Taiwanese development. The wealth of precious historical and cultural assets is a result of the city's long history. Tainan is therefore also the most representative area of the country. Most local tourists who visit Taiwan experience a familiar feeling of coming home. This feeling of home is the main reason why Tainan continues to draw Tainan natives back to their hometown and attracts tourists who are emotionally attached to the 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

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)?

No - I would like to continue responding in the Global Covenant module

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 of Tainan	Ching-Te Lai	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
2375717138	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
1886033	2016		

0.6

Please provide details of your city's GDP.

GDP	Currency	Year of GDP	Source
42492323490	USD US Dollar	2016	National Statistics, ROC (Taiwan)

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)
24	2192		120.12	23.00

Page: Governance

1.0

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

In Tainan, flooding is one of the serious issues. The flooded area of Tainan city accounts for one-third of the island's total flooded areas.

And the GHG emission of Tainan is higher than national average. The GHG emission per capita of Taiwan was 10.68 ton CO₂e/ per. And Tainan was 11.39.

1.1

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

To achieve the vision of low carbon city. Tainan promulgated the "Self-Government Rules for Making Tainan a Low Carbon City" in 2012. In the time, we promoted 10 low carbon projects, which includes: sustainable low carbon communities, sustainable building practices, green energy solutions, low carbon cultural tourism, eco-city, a low carbon lifestyle, material recycling, green remediation, low carbon awareness education, and reinforcing the city's image as a green community.

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	We set 3 GHG reduction targets: Short, midterm and long-term. 1. By 2020 reducing 12% GHG emission below 2005 levels 2. By 2030 reducing 20% GHG emission below 2005 levels 3. By 2050 reducing 50% GHG emission below 2005 levels

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 of assessment
Tainan City Climate Change Adaptation Project	2014	2016 Tainan Climate action.pdf		Larger – covers the whole city and adjoining areas	City/Municipality	Dedicated city team

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
Agency specific vulnerability and risk assessment methodology	

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
Water-borne disease	High	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
Drought	Increasing	Increasing	Long-term

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
Drought	Extremely serious		Other: Water	Other: Health and community	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	Flood is one of the most serious issue in Tainan. And there are many technology factories in Tainan, like semiconductor, LCD Monitor, solar etc. It will affect the wishes of enterprises to set up in Tainan.

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	Compact of Mayors Letter to register intent of compliance Tainan.pdf	

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	Primary author of plan
Tainan City Climate Change Adaptation Project	2014	2016 Tainan Climate action.pdf		Same – covers entire city and nothing else	city	Operational boundary of city governance	Dedicated city team

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.](#)
(Tainan)CRAFT Questionnaire_CDP_v2.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
Drought	Flood mapping	Like making significant investments to construct improved, flood-resilient infrastructure like retention ponds embedded in roadsides, parks and pumping stations; floodgates; and regulated water catchment in newly built buildings. We have also improved its early warning communications by developing mobile apps and training farmers to recognize warning signs of imminent floods.

Page: Social Risks

4.0

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

No

4.0b

Please explain why not.

For flooding and drought, Tainan city government will provide compensation for farmer or anyone who are caused loss. Second, the government will provide temporary shelter for refugees if the natural disasters destroy their house. Also, we will set up command center and the mayor will be the commander.

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
Improved efficiency of operations	In order to reduce the people's property damage, Tainan city has developed a app for people to control the climate conditions at any time. Cooperation with the central government and primacy sector, we check and inspect the high risk areas every week.

5.1

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

Response	Description
No	

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\$)
Buildings	Monitoring and reporting	Project not financed and seeking partial financing	Reduce energy use, rainwater storage, water recycling, waste recycling, install the solar on the roof etc.		
Outdoor lighting	Complete	Project not financed and seeking partial financing	Replace all the lights to LED.		
Transport	Operation	Project not financed and seeking partial financing	We already had bus, train and high speed rail. In 2016, we promoted the electric bus and public bicycle rental system.		

Project area	Status of project	Status of financing	Project description	Total cost of project (USD\$)	Total investment cost needed (USD\$)
Renewable energy	Operation	Project not financed and seeking partial financing	The capacity of solar power is 252 MW, it can provide over 300 million kwh every year.		

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.

Thu 01 Jan 2015 - Thu 31 Dec 2015

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 included
Buildings	Included
Buses	Not included
Electricity generation	Not included
Electricity transmission and distribution	Included
Employee commuting	Not included
Incineration of waste	Included
Landfills	Included
Local trains	Not included
Maritime port	Not included
Municipal vehicle fleet	Included
Regional trains	Not included
Roads / highways	Included
Street lighting and traffic signals	Included
Subway / underground	Not applicable
Thermal energy	Included
Waste collection	Included
Wastewater treatment	Included
Water supply	Included
Unknown source	Not applicable
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
International Emissions Analysis Protocol (ICLEI)	Also using "Guide of Greenhouse Gases inventory" which released by EPA of Taiwan.

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
Total	Other: Total	32212.577	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
Total	Other: Total	75602.96	Metric tonnes

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.

107815.54

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 CO2e emitted	Total Scope 2 activity in metric tonnes CO2e emitted
32212.58	75602.96

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.

We will calculate the scope 3 in the future.

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 CO2e)
Emissions from electricity	Scope 2	75602.96

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
Decreased	The major reason for emission decreasing was that we promoted electric car project. We bought 26 electric cars as the business cars. Second, we replaced the lights LED.

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 had verified the government scale GHG emission of 2012 to 2014. And we will verify in the next year.

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
International Emissions Analysis Protocol (ICLEI)	In addition to IEAP, we also use the GPC and "Guide for GHG inventory" to calculate the GHG emission.

C1.3

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

CO2
PFCs
CH4
SF6
N2O
NF3
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
21458524.52	2014TainanCity_GHG_inventory_CHT.pdf	High	

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 CO2e	Level of confidence	Comments
Scope 1 emissions excluding emissions from grid-supplied energy generation	8327944.05	High	
Scope 1 emissions from grid-supplied energy generation within the city boundary	0	High	
Total Scope 1 emissions (Row 1 + Row 2)	8327944.05	High	
Total Scope 2 emissions	13130580.47	High	

C1.6b

Where it will facilitate a greater understanding of your community's emissions, please provide a breakdown of these emissions by UNFCCC Sector.

UNFCCC Sector	Sector	Scope	Emissions (metric tonnes CO2e)
Stationary Energy	Industrial buildings	Scope 2	10575119.67

C1.7

Please give the total amount of fuel (referring to Scope 1 emissions) consumed in your city during the reporting year.

Fuel	Amount	Units	End user / Economic sector / IPCC sector / Other	Sector
Liquefied Petroleum Gas (LPG)	555554131.2	L	End user	Industrial buildings

C1.8

How much electricity, heat, steam, and cooling (referring to Scope 2) has been consumed by your city during the reporting year?

Type	Amount	Units	End user / Economic sector / IPCC sector / Other	Sector
Electricity	20297734494	kWh	End user	Industrial buildings

C1.11

Do you measure Scope 3 emissions?

Yes

C1.11a

Please complete the table

Source of Scope 3 emissions	Emissions (metric tonnes CO2e)	Comment
Other:	25165.39	Total emission of scope 3.

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	First, the amounts of LPG and heavy oil from industry were decreased and some replace LPG and heavy oil as LNG.

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?

Yes

C1.13a

Please provide the following information about the emissions verification process.

Name of verifier	Year of verification	Attach verification certificate	Comments
SGS	2014	TGP5630A-1 Report 英文 台灣與大陸地區 Issue 1701.pdf	

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?

No

6.0b

Please explain why you do not have a local government operations emissions reduction target.

We set the target for whole city, but not for government scale.

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
------------------------------	---	--------------------

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
2016 Tainan Climate action	2016	2016 Tainan Climate action.pdf	

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
Total	2005	19510422	50%	2050	
Total	2005	19510422	20%	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
Carbon emissions reduction from industry		Replace the heavy oil to LNG; promote the plan of coal reduction.
Improve fuel economy and reduce CO2 from motorized vehicles		Promoting the electric bus, car and motorcycle.

Page: Renewable Energy

8.0

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

Energy source	Percent
Coal	4.4%
Gas	38.6%
Oil	36.9%
Nuclear	13.5%
Hydro	1.5%
Biomass	
Wind	
Geothermal	
Solar	5.1%
Unknown sources	

8.1

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

No

8.1b

Please explain why you do not have a renewable energy target or a renewable electricity target and any plans to introduce one in the future.

There is no power plant Tainan. We set up a target for solar power which is increase 220MW in 2018.

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	Short-term	Extremely serious	We are facing the water shortage in the future.

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	Diversifying water supply (including new sources)	We built the water-recycle center to increase the usage of water.

Module: Compact of Mayors

Page: COM Overview

M0.1

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

[Compact of Mayors Letter to register intent of compliance Tainan.pdf](#)

M0.2

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	There are 1.89 million people and 2191.65 square kilometer in the jurisdiction .Tainan is the cradle of Taiwanese development. The wealth of precious historical and cultural assets is a result of the city's long history. Tainan is therefore also the most representative area of the country. Most local tourists who visit Taiwan experience a familiar feeling of coming home. This feeling of home is the main reason why Tainan continues to draw Tainan natives back to their hometown and attracts tourists who are emotionally attached to the city.

M0.3

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

Current population	Current population year	Projected population	Projected population year
1886033	2016		

M0.4

Please provide details of your city's GDP.

GDP	GDP Currency	Year of GDP	Source
42205949744	USD US Dollar	2015	National Statistics, ROC (Taiwan)

M0.5

Please provide the land area (in km2) of your city.

2192

M0.6

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)

Leader title	Leader name	Current term start	Current term end	Total time in office (years)
Mayor of Tainan	Ching-Te Lai	2010	2018	8

M0.7

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

Annual operating budget	Currency	Budget year start	Budget year end
2375717138	USD US Dollar	Fri 01 Jan 2016	Sat 31 Dec 2016

Page: COM GHG Emissions Inventory

M1.0

Please state the dates of the accounting year or 12-month period for which you are reporting a GHG emissions inventory for your community.

Wed 01 Jan 2014 - Wed 31 Dec 2014

M1.1

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

Combination of administrative divisions

M1.2

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

International Emissions Analysis Protocol (ICLEI)

M1.4

Does your city commit to reporting a compact-compliant GPC inventory?

Yes

M1.4a

When does your city commit to reporting a compact-compliant GPC inventory?

We had already used GPC to do the inventory of 2012.

Page: COM GHG Emissions Reduction

M1.6

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

Yes

M1.6a

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

Publication title	Year of publication	Attach	Web link
2016 Tainan Climate action	2016	2016 Tainan Climate action.pdf	
Compact of Mayors_Letter to register intent of compliance_Tainan	2015	Compact of Mayors_Letter to register intent of compliance_Tainan.pdf	

M1.6b

Please describe how your city's climate change action 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	(Paragraph 1) I hereby declare the intent of the city of Tainan to comply with the Compact of Mayors, the world's largest cooperative effort among mayors and city leaders to reduce greenhouse gas emissions, track progress, and prepare for the impacts of climate change.	1	Compact of Mayors_Letter to register intent of compliance_Tainan
Vision describing city's overall ambition and clear objectives	Transforming Tainan into a low-carbon city is a vision shared by every citizen; the City Government is committed to making that vision a reality. The development of a robust adaptation framework would for sure strengthen Tainan City's climate mitigation and adaptation policymaking.	VII	2016 Tainan Climate action

Key requirement	Proof statement	Page number	Publication title
Context of the action plan	Chapter 2	3-17	2016 Tainan Climate action
Baseline GHG emissions figure	From 2001 to 2013	17	2016 Tainan Climate action
Business as usual GHG emissions forecast	But the GHG emission is without industry.	23	2016 Tainan Climate action
GHG emissions reduction target	But the target was the past. In this year, we had modified the target as following: Midterm: By 2030 reduce the jurisdiction's GHG emission 20% below 2005. Longterm: By 2050 reduce the jurisdiction's GHG emission 50% below 2005.	23	2016 Tainan Climate action
Implementation of the action plan	We promoted 10 low-carbon projects in 2012.	29-55	2016 Tainan Climate action
Monitoring of the action plan			

M1.7

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

Base year emissions (absolute) target

M1.7a

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
Total	2005	19510422	20%	2030	
Total	2005	19510422	50%	2050	

Page: COM Climate Hazards**M2.0**

Please list the most significant climate hazards currently faced by your city and indicate the probability and consequences of these hazards.

Climate hazard	Probability of hazard	Consequence of hazard
Water-borne disease	High	High

M2.1

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
Drought	Increasing	Increasing	Long-term

Page: COM Climate Hazards II**M2.2**

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
Drought	Extremely serious		Other: water	Other: Health and community	Commercial

M2.3

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

Yes

M2.3a**Please attach and provide details on your climate change risk or vulnerability assessment.**

Publication title	Year of publication	Attach the document	Web link	Boundary of assessment relative to city boundary (reported in M0.2)	Explanation of boundary choice	Primary author of assessment
2016 Tainan Climate Action	2016	2016 Tainan Climate action.pdf		Larger – covers the whole city and adjoining areas	City/Municipality	Dedicated city team

M2.3b**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		56-75	2016 Tainan Climate Action
Assessment of impact of future hazards			

Page: COM Adaptation**M3.0****Has the Mayor or local government committed to adapting to climate change across the geographical area of the city, town or settlement?**

Yes

M3.0a**Please select the type of commitment(s) and attach evidence.**

Commitment	Attach	Comment
Compact of Mayors	Compact of Mayors Letter to register intent of compliance Tainan.pdf	

M3.1**Does your local government have a plan that addresses climate change adaption?**

Response	Type of plan
Yes	Standalone climate adaptation plan

M3.1a**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 M0.2)	Explanation of boundary choice	Area under your city's control	Primary author of plan
Tainan City Climate Change Adaptation Project	2015	臺南市氣候變遷調適計畫-0205.pdf		Same – covers entire city and nothing else	city	Operational boundary of city governance	Dedicated city team

M3.1b

Please describe how your local government climate adaptation 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	Paragraph 4, List 2	1	Compact of Mayors_Letter to register intent of compliance_Tainan
Identification of adaptation actions	Chapter 5	5-1~5-11	Tainan City Climate Change Adaptation Project(Chinese)
Engagement of multiple city government agencies/departments	Seven different bureaus for eight area.	3-3	Tainan City Climate Change Adaptation Project(Chinese)
Process for regular review of the plan			

M3.2

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.

[\(Tainan\)CRAFT_Questionnaire_CDP_v2.xlsm](#)

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



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