



CDP Cities 2016 Information Request Yilan County

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
Local government area within a city/metropolitan area	Yilan is a county blessed with natural beauty and a rich culture. It is home to a diverse population and the government concerned with maintaining the beauty of the county. Yilan's strength lies in its community. Through active participation and strong cooperation between its citizens and government, county decisions can be made that fulfill the needs of the county and its members. Working together, the community of Yilan will create a successful future.

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

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)
Magistrate	Lin Tsung-Hsien	2014	2018	2

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

Annual operating budget	Currency	Budget year start	Budget year end
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0.5
Please provide details of your city's current and projected population.

Current population	Current population year	Projected population	Projected population year
458777	2014		

0.6
Please provide details of your city's GDP.

GDP	Currency	Year of GDP	Source
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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)
22.3	2143	20	121.4511	24.4518

Page: Governance

1.0
Please describe the impact of national and/or regional climate change activities on your city's own climate change activities.

People pay attention to the energy efficiency.

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	

1.2
Please describe how your city collaborates with businesses in your city on sustainability issues or projects?

Module: Risks & Adaptation

Page: Climate Hazards

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

Do not know

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

No

2.1b
Please explain why the anticipated effects of climate change present no significant risk to your city.

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
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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
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2.2
Do you consider that the effects of climate change could threaten the ability of businesses to operate successfully in your city?

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Response	Explanation
No	

Page: Adaptation

3.0
Please describe the process by which the city reviews its progress and manages overall responsibility for climate change adaptation.

3.1
Has the Mayor or local government committed to adapting to climate change across the geographical area of the city, town or settlement?

No

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

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.

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.

Module: Opportunities

Page: Opportunities

5.0
Does climate change present any economic opportunities for your city?

No

5.0b
Why not?

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\$)
Energy efficiency/retrofit	Community subsidies for energy improvement.	
Renewable energy	Encourage the development of solar and geothermal power.	

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.

Tue 01 Jan 2013 - Tue 31 Dec 2013

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
2006 IPCC Guidelines for National Greenhouse Gas Inventories	

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
8180556.68	https://www.cdp.net/sites/2016/53/61753/CDP Cities 2016/Shared Documents/Attachments/Cities-C1.4-C2-Inventory/城市溫室氣體盤查報告書行政轄區_宜蘭縣102_1218修正.pdf	High	

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	6911264.55	High
Scope 1 emissions from grid-supplied energy generation within the city boundary		High
Total Scope 1 emissions (Row 1 + Row 2)	6911264.55	High
Total Scope 2 emissions	1269292.14	High

C1.6

Where it will facilitate a greater understanding of your community's emissions, please provide a breakdown of these emissions by end user (buildings, water, waste, transport), economic sector (residential, commercial, industrial, institutional), IPCC sector (stationary combustion, mobile combustion, industrial processes, waste) or any other classification system used in your city.

End user / Economic sector / IPCC sector / Other	Sector	Scope	Emissions (metric tonnes CO2e)
	Stationary energy (buildings)	Scope 2	567877.70
	Industrial buildings	Scope	672011.26

		2	
	Transportation	Scope 2	29403.18

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
Coal (Lignite or Brown coal)	45131490	L		Residential buildings
Asphalt/bitumen	22582890	m3 (cubic meters)		Residential buildings
Biogasoline	7401980	m3 (cubic meters)		Residential buildings
Coal (Lignite or Brown coal)	38689157.67	L		Residential buildings
Coal (sub-bituminous)	3827.88	L		Residential buildings
Vegetable oils	78.12	L		Residential buildings
Distillate fuel oil No 4	39133330	L		Industrial buildings
Diesel/Gas oil	1998283.32	L		Industrial buildings
Coal (Bituminous or Black coal)	5531400	L		Industrial buildings
Coal (sub-bituminous)	1062124	L		Industrial buildings
Biogas	1434547.26	L		Industrial buildings
Coal (Bituminous or Black coal)	17588000	L		Industrial buildings
Coal (Brown coal briquettes or BKB)	4795750	L		Industrial buildings
Vegetable oils	21676	L		Industrial buildings
Diesel/Gas oil	1319271319	L		Industrial buildings
Coal (sub-bituminous)	2929220	L		Transportation
Vegetable oils	59780	L		Transportation
Coal (unknown)	200889345.09	L		Transportation
Coal (sub-bituminous)	119954150.12	L		Transportation
Vegetable oils	2448043	L		Transportation
Coal (Lignite or Brown coal)	5386830	L		Transportation
Other: Quicklime	24481960	L		Industrial buildings
Other: Lime	147219420	L		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	3238594129	kWh		

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
Water-borne navigation	78431.37	

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
Stayed the same	

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.

Maybe.

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		2009	3804493	35%	2020	

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
Energy efficiency/ retrofit measures	10.18	

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.

7.1

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

No

7.1b

Please describe any future plans to create a city climate change action plan.

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		2009	3804493	35%	2020	

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	10.18	Replacement of lamps.

Page: Renewable Energy

8.0

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

Energy source	Percent
Coal	71.30%
Gas	
Oil	
Nuclear	12.50%
Hydro	6.30%
Biomass	
Wind	4.80%
Geothermal	
Solar	5.00%

8.1

Does your city have a renewable energy or electricity target?

Yes - my city has renewable energy and electricity targets

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)

8.1b

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

Scale	Total installed capacity of renewable energy (in MW)	Proportion of total energy from renewable energy sources	Target date	Plans to meet target (include details on types of energy)

Page: Water Supply Risks

9.0

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

No

9.0b

Please explain why you do not consider your city to be exposed to any substantive water-related risk.

Yilan is a rainy city.

Page: Water Supply Management

**Please
note**

If you did not select anything in the dropdown list for Q9.0 on the Water Supply Risks page, nothing will be displayed on this page.

Please go back to the Water Supply Risks page to confirm your choice or continue to the next section.

CDP: [W][-,][4C0][AQ][Pu][E2]