

Sustainable Energy Action Plan (SEAP) template

This is a working version for Covenant signatories to help in data collection. However the on-line SEAP template available in the Signatories' Corner (password restricted area) at: <http://members.eumayors.eu/> is the only **REQUIRED** template that all the signatories have to fill in at the same time when submitting the SEAP in their own (national) language.

OVERALL STRATEGY

1) Overall CO2 emission reduction target

(%) by **2020**



Please tick the corresponding box:

- Absolute reduction
 Per capita reduction

2) Long-term vision of your local authority (please include priority areas of action, main trends and challenges)

To reduce Darlington's contribution to climate change and to minimise the adverse impacts of climate change on Darlington's community.

3) Organisational and financial aspects

Coordination and organisational structures created/assigned	The Covenant of Mayors SEAP has been developed by the Climate Change working group within the Local Authority, in conjunction with the Greener Themed Group of the Darlington Local Strategic Partnership.
Staff capacity allocated	Within Sustainable Development and Climate Change Officer role (0.5 FTE)
Involvement of stakeholders and citizens	The Tees Valley Climate Change Strategy was developed through consultation over a period of 18 months and adopted by the Council's Cabinet in June 2010. The SEAP has been through consultation with partners through the Greener Themed Group.
Overall estimated budget	The estimated budget for the delivery of the SEAP is £14.2 million between 2010 and 2020 and will be met by a range of sources.
Foreseen financing sources for the investments within your action plan	
Planned measures for monitoring and follow up	Annual monitoring of the SEAP in line with the requirements of the Covenant of Mayors.

[Go to the second part of the SEAP template -> dedicated to your Baseline Emission Inventory!](#)

DISCLAIMER: The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.

More information: www.eumayors.eu.

Sustainable Energy Action Plan (SEAP) template

BASELINE EMISSION INVENTORY

1) Inventory year

For Covenant signatories who calculate their CO2 emissions per capita, please precise here the number of inhabitants during the inventory year:



2) Emission factors

Please tick the corresponding box:

 Standard emission factors in line with the IPCC principles LCA (Life Cycle Assessment) factors

Emission reporting unit

Please tick the corresponding box:

 CO2 emissions CO2 equivalent emissions

3) Key results of the Baseline Emission Inventory

Green cells are compulsory fields

Grey fields are non editable

A. Final energy consumption

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	FINAL ENERGY CONSUMPTION [MWh]															Total
	Electricity	Heat/cold	Fossil fuels								Renewable energies					
			Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																
Municipal buildings, equipment/facilities																
Tertiary (non municipal) buildings, equipment/facilities																
Residential buildings	185,264		795,730							45704						
Municipal public lighting																
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	305509		710973							238320						
Subtotal buildings, equipments/facilities and industries	490773		1506703							284044						
TRANSPORT:																
Municipal fleet																
Public transport																
Private and commercial transport										653209						
Subtotal transport										653209						
Total																2934729

Municipal purchases of certified green electricity (if any) [MWh]:	
CO2 emission factor for certified green electricity purchases (for LCA approach):	

B. CO2 or CO2 equivalent emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	CO2 emissions [t]/ CO2 equivalent emissions [t]															Total
	Electricity	Heat/cold	Fossil fuels								Renewable energies					
			Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Biofuel	Plant oil	Other biomass	Solar thermal	Geothermal	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																
Municipal buildings, equipment/facilities																
Tertiary (non municipal) buildings, equipment/facilities																
Residential buildings	97190		147210							13260						
Municipal public lighting																
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	161920		131530							59580						
Subtotal buildings, equipments/facilities and industries	260110		278740							72840						
TRANSPORT:																
Municipal fleet																
Public transport																
Private and commercial transport										175060						
Subtotal transport										175060						
OTHER:																
Waste management																
Waste water management																
Please specify here your other emissions																
Total																786740

Corresponding CO2-emission factors in [t/MWh]																
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CO2 emission factor for electricity not produced locally [t/MWh]	
--	--

C. Local electricity production and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated electricity (excluding ETS plants , and all plants/units > 20 MW)	Locally generated electricity [MWh]	Energy carrier input [MWh]										CO2 / CO2- eq emissions [t]	Corresponding CO2- emission factors for electricity production in [t/MWh]	
		Fossil fuels					Steam	Waste	Plant oil	Other biomass	Other renewable			other
		Natural gas	Liquid gas	Heating oil	Lignite	Coal								
Wind power														
Hydroelectric power														
Photovoltaic														
Combined Heat and Power														
Other <i>Please specify: _____</i>														
Total														

D. Local heat/cold production (district heating/cooling, CHPs...) and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated heat/cold	Locally generated heat/cold [MWh]	Energy carrier input [MWh]									CO2 / CO2- eq emissions [t]	Corresponding CO2- emission factors for heat/cold production in [t/MWh]	
		Fossil fuels					Waste	Plant oil	Other biomass	Other renewable			other
		Natural gas	Liquid gas	Heating oil	Lignite	Coal							
Combined Heat and Power													
District Heating plant(s)													
Other <i>Please specify: _____</i>													
Total													

4) **Other CO2 emission inventories**

[If other inventory\(ies\) have been carried out, please click here ->](#)

[Otherwise go to the last part of the SEAP template -> dedicated to your Sustainable Energy Action Plan](#)

DISCLAIMER: The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.

More information: www.eumayors.eu.

Sustainable Energy Action Plan (SEAP) template

EMISSION INVENTORY (2)

1) Inventory year

For Covenant signatories who calculate their CO2 emissions per capita, please precise here the number of inhabitants during the inventory year:



2) Emission factors

Please tick the corresponding box:

 Standard emission factors in line with the IPCC principles LCA (Life Cycle Assessment) factors

Emission reporting unit

Please tick the corresponding box:

 CO2 emissions CO2 equivalent emissions

3) Key results of the Baseline Emission Inventory

Green cells are compulsory fields

Grey fields are non editable

A. Final energy consumption

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	FINAL ENERGY CONSUMPTION [MWh]															Total
	Electricity	Heat/cold	Fossil fuels								Renewable energies					
			Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																
Municipal buildings, equipment/facilities																
Tertiary (non municipal) buildings, equipment/facilities																
Residential buildings	190000		738378							42828						971206
Municipal public lighting																
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	307925		600378							236240						1144543
Subtotal buildings, equipments/facilities and industries	497925		1338757							279068						2115749
TRANSPORT:																
Municipal fleet																
Public transport																
Private and commercial transport																
Subtotal transport										637239						637239
Total																2752988

Municipal purchases of certified green electricity (if any) [MWh]:	
CO2 emission factor for certified green electricity purchases (for LCA approach):	

B. CO2 or CO2 equivalent emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	CO2 emissions [t]/ CO2 equivalent emissions [t]															Total
	Electricity	Heat/cold	Fossil fuels								Renewable energies					
			Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Biofuel	Plant oil	Other biomass	Solar thermal	Geothermal	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																
Municipal buildings, equipment/facilities																
Tertiary (non municipal) buildings, equipment/facilities																
Residential buildings	100700		136600							12420						249720
Municipal public lighting																
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	163200		111070							59060						333330
Subtotal buildings, equipments/facilities and industries	263900		247670							71480						583050
TRANSPORT:																
Municipal fleet																
Public transport																
Private and commercial transport																
Subtotal transport										170780						170780
OTHER:																
Waste management																
Waste water management																
Please specify here your other emissions																
Total																753830

Corresponding CO2-emission factors in [t/MWh]	
---	--

CO2 emission factor for electricity not produced locally [t/MWh]	
--	--

C. Local electricity production and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated electricity (excluding ETS plants, and all plants/units > 20 MW)	Locally generated electricity [MWh]	Energy carrier input [MWh]										CO2 / CO2- eq emissions [t]	Corresponding CO2- emission factors for electricity production in [t/MWh]	
		Fossil fuels					Steam	Waste	Plant oil	Other biomass	Other renewable			other
		Natural gas	Liquid gas	Heating oil	Lignite	Coal								
Wind power														
Hydroelectric power														
Photovoltaic														
Combined Heat and Power														
Other <i>Please specify: _____</i>														
Total														

D. Local heat/cold production (district heating/cooling, CHPs...) and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated heat/cold	Locally generated heat/cold [MWh]	Energy carrier input [MWh]									CO2 / CO2- eq emissions [t]	Corresponding CO2- emission factors for heat/cold production in [t/MWh]	
		Fossil fuels					Waste	Plant oil	Other biomass	Other renewable			other
		Natural gas	Liquid gas	Heating oil	Lignite	Coal							
Combined Heat and Power													
District Heating plant(s)													
Other <i>Please specify: _____</i>													
Total													

[Go to the last part of the SEAP template -> dedicated to your Sustainable Energy Action Plan!](#)

DISCLAIMER: The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.

More information: www.eumayors.eu.

LAND USE PLANNING:									
Strategic urban planning	Action 1. To complete the new Core Strategy as part of the LDF which outlines the most sustainable locations for new housing, employment and transport development over the next 15 years.	Planning Policy, DBC	2011	Met by the Council				Included elsewhere under specific actions	
	Action 2: To prepare and adopt other DPDs which complete the up to date development plan for Darlington	Planning Policy, DBC	2013	Met by the Council					
	Action 3: To prepare Planning Obligations SPD	Planning Policy, DBC	2011	Met by the Council					
	Action 4. Town Centre Fringe developments -	Chief Executive(Regeneration), DBC		Met by the Council, One North East, HCA					
Transport / mobility planning	Develop a new Local Transport Plan (LTP3) to deliver policies and measures that contribute to reducing carbon emissions.	Transport Policy, DBC	2011	Met by the Council					
		Planning Policy, Development Control, DBC	2011	Met by the Council					
Standards for refurbishment and new development	Action 1. Code for Sustainable Homes standards adopted within the Core Strategy and LDF								
Other - please specify: _____									
PUBLIC PROCUREMENT OF PRODUCTS AND SERVICES:									
Energy efficiency requirements/standards	Action 1. Included in Municipal buildings actions within the Council's CMP	Carbon Management Team	July 2009 - March 2014	Included in the CMP finance				Included elsewhere under specific actions	
Renewable energy requirements/standards	Action 2. Included in Municipal buildings actions within the Council's CMP	Carbon Management Team	July 2009 - March 2014						
Other - please specify: _____									
WORKING WITH THE CITIZENS AND STAKEHOLDERS:									
Advisory services	Action 1. Continue to work in partnership with national and regional advisory bodies to promote sustainable energy to residents and businesses.	HEAT team, DBC and partners						Not reported as counted under behavioural change	
Financial support and grants	Included in specific actions								
Awareness raising and local networking	Action 1. Develop a Communications Strategy for communicating climate change awareness across the Borough.	Climate Change lead and DBC Comms Team							
	Action 2. Link with EU, national and regional awareness raising campaigns	Climate Change lead and DBC Comms Team							
Training and education	Included in specific actions	Climate Change lead and DBC Comms Team							
Other - please specify: _____									
OTHER SECTOR(S) - Please specify:									30,000
Other - Please specify: National energy targets	Action 1. Decarbonisation of the national grid. The national government has a target to produce around 30% of grid electricity from renewables by 2020 by substantially increasing the requirement for electricity suppliers to sell renewable electricity. If a conservative approach is taken and the carbon intensity reduction of the grid reached half of the anticipated amount by 2020 then the estimated savings would be in the region of 30ktpa and this would mean that DBC would exceed the 20% target.	All partners	Up to 2020						
							30,000		
TOTAL:									163,428

3) Web address

Direct link to the webpage dedicated to your SEAP (if any)

DISCLAIMER: The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.

More information: www.eumayors.eu.