

Sant Joan Despí SEAP



Ajuntament de Sant Joan Despí



Document IV

SEAP Template

March 2010



Sustainable Energy Action Plan (SEAP) template

- Revised version (05/08/09) -

The Sustainable Energy Action Plan template should help the Covenant of Mayors signatories to fix their CO2 emission reduction target, structure their actions/measures and monitor their implementation.

At the same time, the SEAP template is a valuable tool for collecting key data from their Baseline Emission Inventory and SEAP, and thus allowing exchange of experience.

Highlights of the collected information will be shown on-line at the Covenant of Mayors website.

Covenant signatory:	Name	<input type="text" value="Sant Joan Despi"/>	Country	<input type="text" value="SPAIN"/>	Number of inhabitants	<input type="text" value="31.671"/>	Date of adhesion	<input type="text" value="17/03/2009"/>	Website	<input type="text" value="www.sidespi.com (..."/>
Covenant Coordinator:	Name	<input type="text" value="Rosa Maria Canals"/>	Fuction	<input type="text" value="OTCCS"/>	Organization	<input type="text" value="Diputació de Barcelona"/>	E-mail	<input type="text" value="canalsgr@diba.cat"/>	Tel	<input type="text" value="(0034) 93 402 22 22"/>

OVERALL ESTRATEGY

1) Overall CO2 emissions reduction target by

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)

The priority areas for action are those in which the council has direct competence: public and fire lighting, city buildings and facilities, municipal and outsourced services fleet and public transport (78% of actions are these areas). The rest are connected with the areas where the City Council can only influence, as waste and water management, services, residential buildings or urban mobility.

The areas of direct competence of the City Council have experienced a reduction in their emissions of 4.9% between 2005 and 2007. However, the other areas has grown by 3.6%.

The main challenges of the plan focus on technological improvement of public and traffic lighting, increase of efficiency on public buildings and facilities, use of biofuels and implementation of environmental criteria in municipal, outsourced services and public transport fleet. In addition to that, there are actions to make population aware, change the urban mobility planning and improve the waste and water management.

3) Organisational and financial aspects

Coordination and organisational structures created/assigned	Department of Environment of Sant Joan Despi Municipality
Staff capacity allocated	The Plan have been carried out in collaboration with "Diputació de Barcelona", Sant Joan Despi City Council and the support of the Environmental Consulting ERF
Involvement of stakeholders and citizens	A process of public participation has been carried out, in which citizens, staff and politicians have expressed their points of view and proposals for the plan. These ideas have been collected and introduced into the Action Plan.
Overall estimated budget	3.175.000 €
Foreseen financing sources for the investments within your action plan	Sant Joan Despi Council budget , european funds, spanish and catalan government funds
Planned measures for monitoring and follow up	Implementation report every second year and the indicators developed by "Xarxa de Ciutats i Pobles cap a la Sostenibilitat"

BASELINE EMISSION INVENTORY

1) Baseline year:

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

2) Approach to emissions accounting :

Please tick the corresponding box

- Territorial approach (IPCC)
- Life Cycle Assessment (LCA) approach

C. Local electricity production and corresponding CO2 emissions

Locally generated electricity (excluding ETS plants, and all plants/units > 20 MW)	Locally Generated Electricity [MWh]	Energy carrier input [GWh]										CO2 emissions [kt]	Corresponding CO2-emission factors for electricity production in [kg/kWh]	
		Fossil fuels					Waste	Plant oil	Other biommas	Other renewable	Other			
		Natural gas	Liquid gas	Heating Oil	Lignite	Coal								
Wind farm	-	-	-	-	-	-	-	-	-	-	-	-	0	0
Hydroelectric power	-	-	-	-	-	-	-	-	-	-	-			
Photovoltaic	-	-	-	-	-	-	-	-	-	-	-			
CHPs	-	-	-	-	-	-	-	-	-	-	-			
Other Please specify: _____	-	-	-	-	-	-	-	-	-	-	-			
Total	0,00	0	0	0	0	0	0	0	0	0	0			

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

Locally generated heat/cold	Locally Generated Electricity [GWh]	Energy carrier input [GWh]										CO2 emissions [kt]	Corresponding CO2-emission factors for heat/cold production in [kg/kWh]	
		Fossil fuels					Waste	Plant oil	Other biommas	Other renewable	Other			
		Natural gas	Liquid gas	Heating Oil	Lignite	Coal								
CHPs	-	-	-	-	-	-	-	-	-	-	-	-	0	0
District Heating plant(s)		-	-	-	-	-	-	-	-	-	-			
Other Please specify: _____		-	-	-	-	-	-	-	-	-	-	-		
Total	0	0	0	0	0	0	0	0	0	0	0			

LATEST EMISSION INVENTORY

If other inventory(ies) have been carried out (i.e. after your Baseline year), please click here to make appear extra tables →

SUSTAINABLE ACTION PLAN

1) Title of your Sustainable Energy Action Plan

Sustainable Action Plan of Sant Joan Despi

Date of formal approval

15/04/2010

Authority approving the plan

Sant Joan Despi Council

2) Time frame of your Sustainable Energy Action Plan

2005

to

2020

3) Key elements of your Sustainable Energy Action Plan

SECTORS & optional fields of action	KEY actions/measures per field of action	Responsible department, person or company (in case of involvement of 3rd parties)	Implementation [start & end time]	Estimated costs per action/measure	Expected energy saving per measure [kWh/a]	Expected energy production per measure [kWh/a]	Expected CO2 reduction per measure [t/a]	Energy saving target per sector [kWh] in 2020	CO2 reduction target per sector [t] in 2020
BUILDINGS, EQUIPMENTS/FACILITIES AND SERVICES									
Municipal buildings and equipments	1.1/1: Implementation of actions arising from VAE	Public ways, municipal services and maintenance	Continue	490.000	910.000	-	300	40.234.448	14.185
	1.1/2: Conducting energy audits on municipal facilities that have not been the subject of VAE and implementing the measures deriving	Public ways, municipal services and maintenance	Continue	750.000	1.500.000	-	200		
Municipal public lighting	1.3/1: Improving energy efficiency in public lighting in Sant Joan Despi	Public ways, municipal services and maintenance	Punctual	350.000	650.000	-	250		
	1.3/2: Setting up of regulatory flow header	Public ways, municipal services and maintenance	Punctual	75.000	650.000	-	250		
	1.3/3: Replacement of incandescent lights to LED modules	Public ways, municipal services and maintenance	Punctual	345.000	275.000	-	105		
Domestic sector	1.4/1: Plan to reduce energy consumption in domestic sector	Planning and urbanism	Punctual	60.000	16.500.000	-	5.300		
Tertiary sector	1.5/1: Plan to reduce energy consumption in tertiary sector	Planning and urbanism	Punctual	60.000	12.000.000	-	5.350		
TRANSPORT									
Municipal fleet	2.1/1: Gradual replacement of the existing vehicle fleet with vehicles for their own municipal energy efficiencies higher	Public ways, municipal services and maintenance	Continue	n.q.	100.000	-	20	100.902	28
	2.1/2: Incorporating the concept of energy efficiency of vehicles in the folds of contracting services	Planning and urbanism	Periodic	-	150.000	-	40		
LOCAL ELECTRICITY PRODUCTION									
Renewable energy production	3.1/1: Creating a record of solar panels and solar power generated in the municipality	Planning and urbanism	Continue	5.000	-	-	-		
	3.1/2: Setting up of renewable energy generation systems	Planning and urbanism	Periodic	815.000	440.000	440.000	200		
LAND USE PLANNING									
Mobility or transport	4.2/1: Creating the Urban Mobility Plan	Planning and urbanism	Punctual	40.000	37.000.000	-	9.880	36.824.837	9.875
	4.2/2: Implementation of measures to encourage the use of electric vehicles	Planning and urbanism	Continue	30.000	12.000.000	-	3.000		
PUBLIC PROCUREMENT OF PRODUCTS AND SERVICES									
Renewable energy requirements	5.2/1: Green energy purchase	Public ways, municipal services and maintenance	Continue	-	-	-	50		

WORKING WITH THE CITIZENS AND STAKEHOLDERS										
Consulting services	6.1/1: Creating position of energy manager	Planning and urbanism	Punctual	40.000	250.000	-	-	10		
Financing and subventions	6.2/1: Implementation of energy efficiency program 50 - 50 for sports and educational facilities	Planning and urbanism	Punctual	20.000	375.000	-	-	80		
Working with local networks	6.3/1: Creating a section on the website of the City Council to monitor the status of PAES	Planning and urbanism	Continue	15.000	-	-	-	-		
Environmental formation and education	6.4/1: Membership of the municipality schools program of the Government "Green Schools" Program or a local equivalent of environmental education in classrooms	Planning and urbanism	Punctual	45.000	250.000	-	-	90		
OTHER SECTORS										
Waste management	7.1/1: Promotion of selective collection by a waste prevention plan	Planning and urbanism	Punctual	50.000	n.q.	-	-	1.300	582.446	1.451
Water	7.2/1: Campaign saving and water harvesting	Planning and urbanism	Periodic	15.000	210.000	-	-	100		

Other	7.3/1: Implementation of actions not made in local Agenda 21	Planning and urbanism	Periodic	n.q.	n.q.	-	n.q.		
Total				3.175.000	83.260.000	440.000	26.525	77.742.634	25.539

nq means non quantifiable

4) Web address

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

It doesn't exist

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More information: www.eumayors.eu.