

TIMIȘOARA CLIMATE STRATEGY

Strategic action plan regarding fighting, mitigation and adaptation measures against Climate Change effects, in Timișoara City

Local emission target reduction for Timișoara city - 20 % having 2008 as baseline

Quantitative indicators	*Benchmarking average for european capitals, 2007	*București baseline 2007	Timișoara baseline 2008	Sources
CO ₂ emission target until 2020, % versus baseline year	14,48	0,00	20,00	Proposed target by the Task Force Team and responsables for Climate Strategy Timișoara
CO ₂ emission/capita	5,21	5,23	5,08	2008 CO ₂ Emission inventory
Percent % of renewable energy from total electrical energy supply	7,30	0,01	13,21	ENEL Energie SA, Electricity label 2008
Length of cycle lanes, km/kmp	1,15	0,17	0,15	Timișoara City Hall
Length of public transport network, km/kmp	2,33	1,42	3,21	RATT ref. 2008 data, Cadastral and Imobiliar Publicity office Timiș county, ref.2004 data
Share of people taking public transport to work	41,56	54,00	29,84	Reporting the number of people using public transport (RATT) to the number of inhabitants for 2008 according the National Statistic Institute.
Annual water consumption, mc/capita	105,43	96,02**	124,00	Regia Autonomă de APĂ și CANAL Aquatim
Municipality waste generation per capita, kg/capita	510,93	479,37	200,05	SC Retim Ecologic Service SA, Stuttgart University Study – Composition of municipality waste stream selected in urban areas from România Lit.11
Share of waste recycled, % from total waste generation	17,62	1,81***	25-28	Retim Ecologic Service SA, Stuttgart University Study – Composition of municipality waste stream selected in urban areas from România Lit.11
Share of Organic waste from total municipality waste generation, %	N/A	N/A	50-54	Waste management study HCL 320/2008; Stuttgart University Study – Composition of municipality waste stream selected in urban areas from România Lit.11

* Data from Lit. 15, **2004 data, ***2006 data



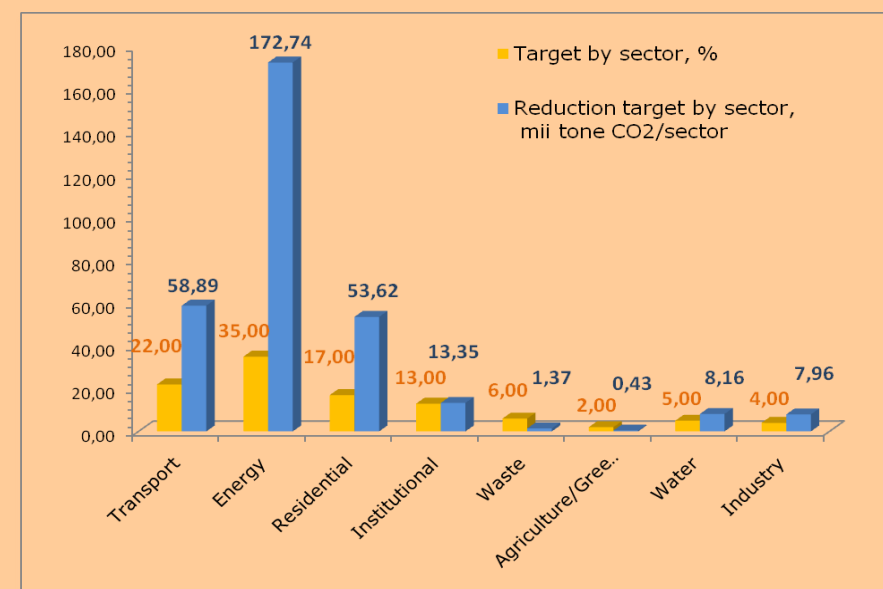
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Global Warming implies, in the present, two main problems for humanity: the necessity for a drastic reduction of green house gas emissions and on the other hand the necessity to adapt to the effects of climate change. Therefore, the Environment Directorate from Timisoara City Hall considered it a challenge to come up with a Climate Strategy for Timisoara, to be a leader on a national level in the fight against Climate Change and to offer for the citizens of Timisoara a proper climate for at least a decade, and a city with a new vision on sustainable development, a greener city.

In the Strategy frame work for Timișoara city was established a global target of CO₂ emission reduction of 20% until 2020. To achieve this target, were allocated individual sector target, depending on their contribution potential to the CO₂ emission reduction. For individual sector targets achievement, were set up sector objective and measures.

The strategic document was approved on 29 of June 2010 by the Local Council of Timișoara. The action plan contain a number of 91 measures split up by 8 sectors, the individual sector target in order to achieve the global target for Timișoara of 20 % reduction until 2020 are presented in the graph below, and some representative measures by sector are also mentioned further on.





Transport

Promotion and encouragement of bicycles use by extension, building of new cycle lanes and interconnection of actual cycle lanes, and create renting bicycles points.

Encouragement of public transport by extension of existing lines, making the public more attractive and by introducing at least one transport line where the auto vehicle should use bio fuel.

Introducing traffic restriction for the historical central zone, building new underground parking spaces and Park & Rides, and implementation of hard traffic fee.



Energy

Building energy efficiency program continuing for existing buildings and establishment of new energy efficiency criteria's for new buildings. Encouragement of energy efficiency by tax free incentives.

Cogeneration plant implementation which should produce at least 10 % from thermal energy for the city, using sludge and biomass.

Energy efficiency for buildings from residential and institutional sector.

Encouragement of renewable energy system usage.



Residential

Encouragement of thermal energy consumption from local heating district instead of using individual heating centrals.

Introducing local regulations which brings into force three planting.

Household energy efficiency programs by raising awareness for building insulation and placing household thermostats.

Urban development which should respect the urban densification numbers for dedicated places like Green sector – Green village.



Institutional

Efficient public street lightning, by using economic light bulbs and motion sensors.

Climate change awareness programs for populations.

Continue involvements of the schools into activities and projects related to climate change, new Curricula, new projects on renewable energy etc.

Green procurement implementation in the Timisoara City Hall and also at all public subservices which are managed by Timisoara City Hall.

Waste

Public awareness for implementation of selective waste collection programs.

Increasing the amount of shared waste recycled in the residential sector and start up sorting waste station

Extension of selective waste collection infrastructure to the new residential areas, from Timisoara.



Agriculture/Green spaces

Increasing green space in the Timisoara city.

Drought and pollution resistant three plantation near to the main streets and planting threes to shadow up the parking spaces.

Increasing forest area from the edge of the city and transformation of the green forest nearby Clinica de Cardiologie into Forest-Park and recreation area.

Green roofs and green wall concepts implementation and techniques of realization.



Water

Rainwater reutilization study after a pre treatment process.

Public awareness related to the reduction of water consumption.

Rehabilitation of water network to reduce the leakages and energy balance establishment by the local water supplier.

Efficient maintenance system establishment by the local water supplier.



Industry

Insentives program for citizens of Timisoara and local entities which use renewable energy and local electricity tax changes for industrial field.

ECOBUSSINESS PLAN establishment for Timisoara city.

Local Carbon found establishment to facilitate the industrial comunity emissions compensations.

