

# Model City Fortaleza

## Low carbon vision:

Become a sustainable city able to make economic growth compatible with environmental conservation, guaranteeing the use of renewable energy and with an effective waste management policy. Fortaleza has to take responsibility and leadership to drastically reduce GHG emissions, becoming an eco-efficiency, resilient city.

## Final energy consumption in the community:

Data available only for electricity consumption (per inhabitant): 2.794.880 Mwh (2007)

## GHG emissions from the community:

3.827.521 tCO2e (2012)

## Main economic activity:

Tourism, Industry, Commerce

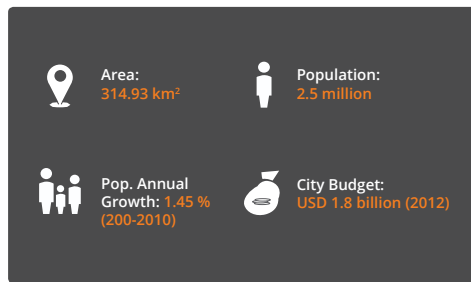
## Main priority sectors for Low Emission

### Urban Development:

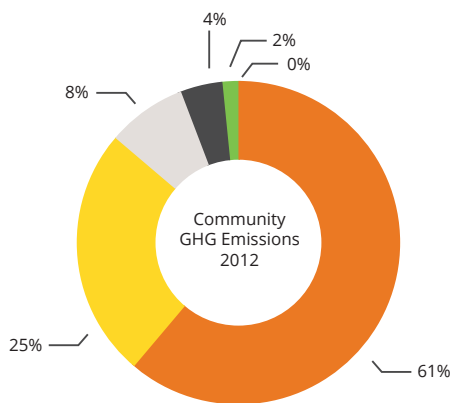
Waste, Mobility, Urban Planning and Spatial Development, Street Lighting, Renewable Energy

## Commitments:

The city is in the process of analyzing data in order to stipulate concrete commitments.



## GHG inventory established in project:



# Brazil

www.fortaleza.ce.gov.br

## LED actions enabled by the Urban-LEDS project :

### Fortaleza Afforestation Plan

Fortaleza's actions concentrate on energy, waste and climate change activities. The 'Fortaleza Afforestation Plan' is being established to increase tree cover in the municipality, aiming at neutralizing CO2 and hence mitigating atmospheric pollution. Additional benefits are an increased quality of life through increased comfort and air quality in the city.

### Minha Casa, Minha Vida (My Home, My Life)

Fortaleza also runs a program called "Minha Casa, Minha Vida" for installing solar systems on homes for water heating (solar thermal) and electricity (photovoltaics).

### Municipal Integrated Waste Management Plan

In 2011 Fortaleza produced 1.758 million tons of waste (average of 4.8 thousand kilograms per day) which is sent to the Caucaia landfill. To deal with waste management problems the local government has developed a Municipal Integrated Waste Management Plan, and is also establishing a separation and recycling process with R\$ 900 million (about USD 372.000) investment.

### Fortaleza's first GHG inventory

Fortaleza developed a GHG inventory as part of the project and now has a better understanding of where and how emissions can be decreased. In addition, the city's low carbon vision is currently being outlined, planned for finalization in early 2015.

### Energy Efficient Schools

Most recently an efficient building pilot project was launched, with 13 schools being made more energy efficient. The city is currently hiring construction companies and Acqua certifiers for the first pilot plant.

## Further engagements:

- Reporting in the carbonn Climate Registry ([www.carbonn.org](http://www.carbonn.org))
- GHG inventory is compliant with the Global Protocol on Community-Scale Gas Emissions (GPC)



*"Fortaleza aims to develop a municipal governance model based on social inclusion, participation, cooperation, and having transparency and sustainability as the transversal elements in public administration. The Urban-LEDS project offers a platform to help us obtain the leadership, technical know-how and methodologies to implement appropriate policies."*

**Roberto Cláudio,  
Mayor of Fortaleza**

