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SUSTAINABILITY @ SINTRA



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SINTRA

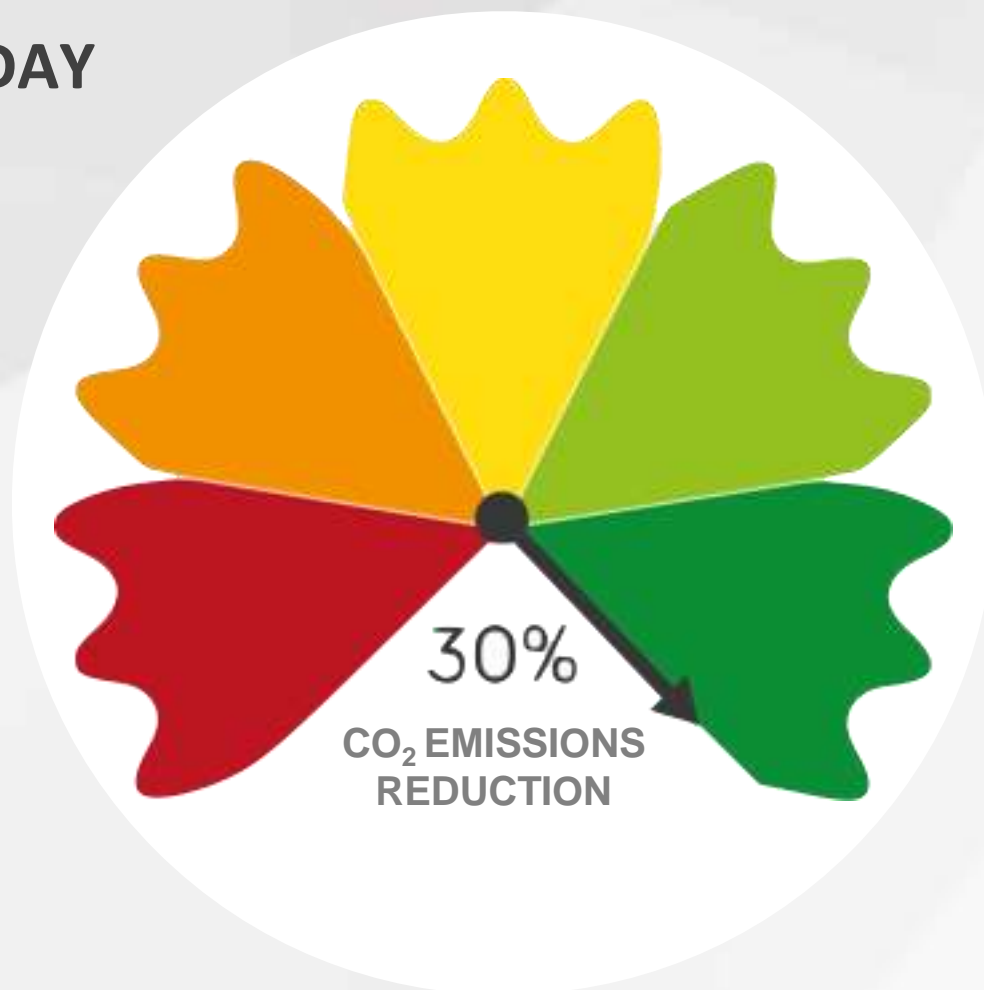
A reference in the implementation of the proposed targets of sustainability under the *Covenant of Mayors*



Covenant of Mayors
for Climate & Energy

-20% CO₂
by 2020

PRESENT DAY SINTRA





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UM MELHOR MUNICÍPIO

MUNICIPALITY OF SINTRA

Benchmarks of excellence identified for sharing
with other cities



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PUBLIC LIGHTNING RETROFITTING WITH LED TECHNOLOGY

Key objectives

- ⑩ Improvement of public lightning, reduction of energy invoice and carbon footprint
- ⑩ Promote citizen's safety
- ⑩ Reduction of maintenance cost
- ⑩ High energy efficiency

**CO₂
Reduction
82 ton CO₂/year**

**Energy consumption
Reduction
211Mwh/year**



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PHOTOVOLTAIC PARK

Key objectives

- ⑩ 3,2 hectares covered with 9200 PV panels
- ⑩ Average production of 3,2 Gwh/year of renewable energy
- ⑩ Investment with high environmental, economic and social benefits
- ⑩ High energy efficiency



**CO₂
Reduction**

1.248 ton CO₂/year

**Energy consumption
Reduction**

3200 Mwh/year



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NETWORK OF URBAN CYCLE LANES

Key objectives

- 10 Connect residential areas with green and leisure areas
- 10 Promote the use of more economic and sustainable modes of transport
- 10 Improve safety conditions and overall mobility



CO₂
Reduction
366 ton CO₂/year

Energy consumption
Reduction
1.400 Mwh/year



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Next steps?

Towards 2030 targets and climate change
adaptation!



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SUSTAINABLE MOBILITY

Key objectives

- ⑩ Promote the use of more efficient and sustainable transports
- ⑩ Invest in alternative modes of transport namely near zero emissions transports
- ⑩ Improve the quality of the current mobility



**CO₂
Reduction
154.691 tCO2/year**

**Energy consumption
Reduction
591.802 Mwh/year**



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RENEWABLE ENERGY

Key objectives

- ⑩ Promote the implementation of renewable energy solutions
- ⑩ Invest in renewable energy solutions namely in schools and other public buildings
- ⑩ Promoting best practices and engaging citizens towards the implementation of more sustainable solutions

**CO₂
Reduction
7371 tCO₂/year**

**Energy consumption
Reduction
18.900 Mwh/year**



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