Municipality of Forlì
Sustainable energy planning

EARTH HOUR CITY CHALLENGE

The Municipality of Forlì

Location:

Emilia-Romagna Region

within the valley of the Po River

Population: 116.023 inhabitants (2012)

Area: 228 km2

GDP/head: 21,485 €/head (2011)

Brief history

Patto dei Sindaci
Un impegno per l'energia sostenibile

Founded in II a.d. by Romans as “Forum Livii” along the Emilia Road

two main Roman axis meet in Piazza Saffi

Sustainable Energy Planning: Vision for the city

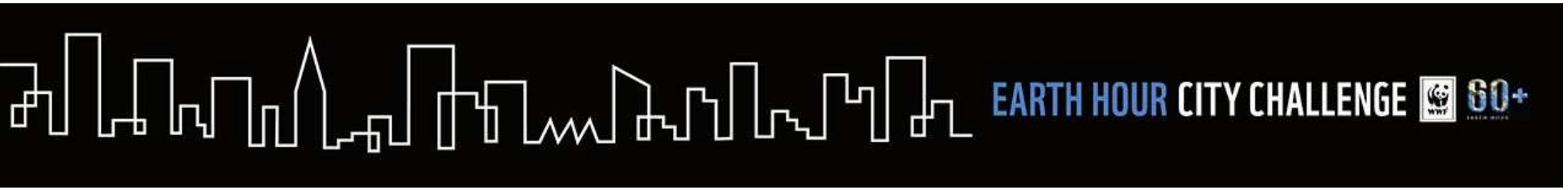
Patto dei Sindaci
Un impegno per l'energia sostenibile

Managing the shift towards 0 emissions

Lifestyle changes

Sustainable Development and Planning

Sustainable City Governance

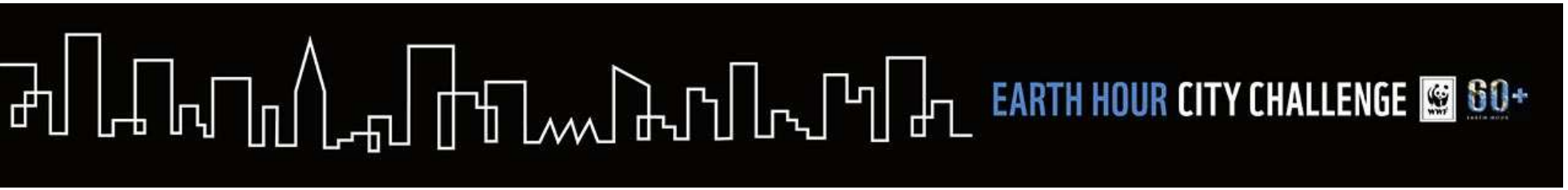


Objectives

-25% of CO2 emissions by 2020

Divided in key areas:

0 emissions energy (RES)	27,5%
Energy efficiency	20%
Efficient and sustainable services	34,5%
Modal shift	18%



Group 1: RES

- Photovoltaic plants public
- Photovoltaic plants private
- Biomass
- Geothermal energy
- Biogas plant from domestic organic waste

RES Installations

Scuola Elementare di Carpinello 96 kWp

Scuola Media Palmezzano 76,8 kWp

Liceo Classico 100,8 kWp

Tettoia campo sportivo di San Martino in

Strada 7,6 kWp

Pensiline terminal BUS (bike sharing)

4,8 kWp

Produzione annua: 358.984 kWh/yr

CO2 evitate: 171 tCO2/yr

RES Heat district

New plant producing 1.500MWht/yr

Area of 20.000 m2

already developed industrial area near existing heat district network

Group 2: Energy Efficiency

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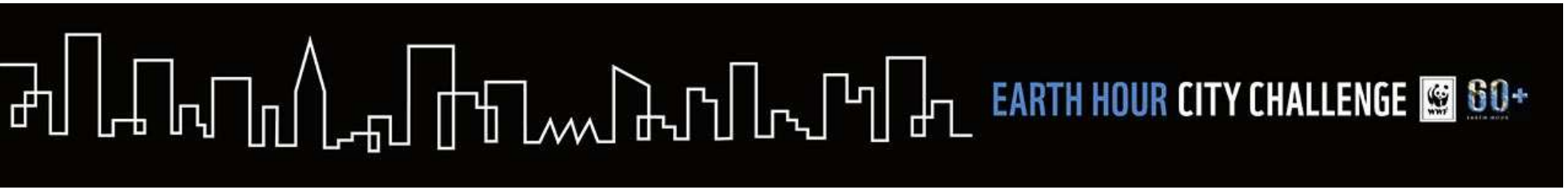
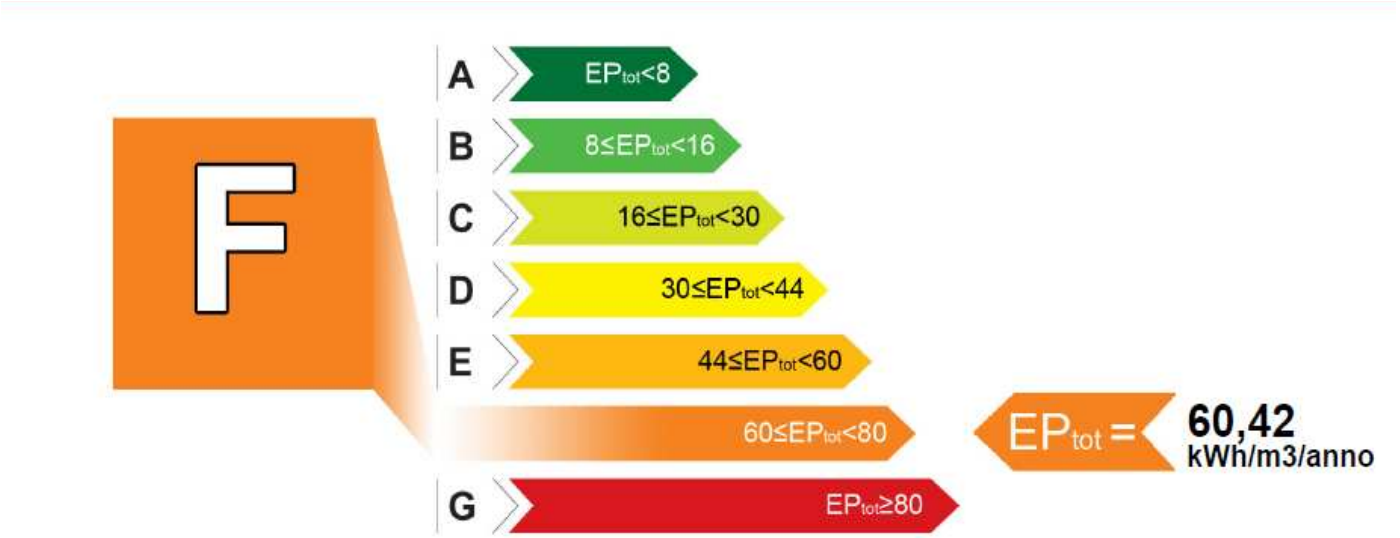
- Renovation of heating systems for public buildings
- Renovation of public buildings
- Urban renewal / private building renovation
- Electrical efficiency for public buildings
- Micro- CHP for apartment blocks
- Electrical equipment



Energy Efficiency Actions

New planning tools

Incentives to citizens for renovation costs



Group 3: Efficient Services

- Waste reduction for incineration
- Waste reduction per head
- Development of city-wide district heating
- Use of LED for traffic light and public lighting
- Green Areas

Group 3: Efficient Services

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- Door to door collection
  - 13,103 houses and 28,339 citizens (¼ population)
  - 70 % separated collection (2011)

Group 4: Sustainable Mobility

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- Modal shift of – 20%
  - Cycle lanes
  - Bus routes
  - Mobility master plan integrating sustainable means of transport

Comunication campains

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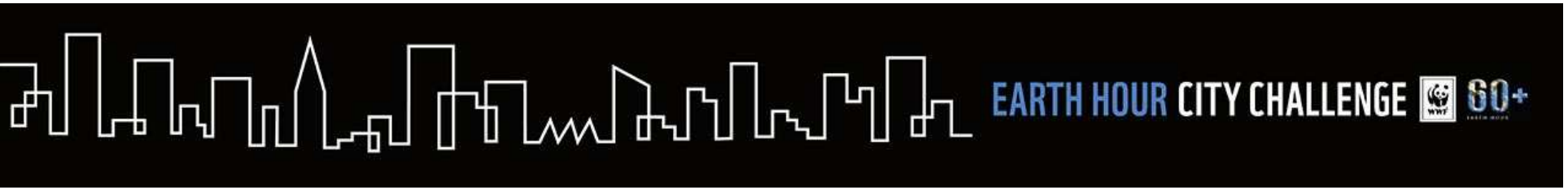
- Initiatives for schools
- Initiatives for citizens (i.e. cyclying events)
- First European Green Night

- Washable and organic nappies
- pedi-bus



Barriers and Constraints

Little financial resorces to set good examples

Weak energy management

Knowledge of new tecnologies

Burocratic procedures

Key Priorities

- Renovation of schools
- Better waste management
- Local District Heating
- Cycle lanes
- More efficient and stronger communication campaigns

EARTH HOUR CITY CHALLENGE

Thank you

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