

Key Actions	Area of intervention	Policy Instrument	Origin of the action	Responsible body	Implementation timeframe		Status of implementation	Estimated implementation cost (€)	Implementation cost spent so far (€)	Estimates in 2020			
					Start time	End time				Energy savings [MWh/a]	Renewable energy production [MWh/a]	CO <sub>2</sub> reduction [t CO <sub>2</sub> /a]	CO <sub>2</sub> reduction achieved by 2013 [t]
<b>MUNICIPAL BUILDINGS, EQUIPMENT/FACILITIES</b>													
Public heating system renewal	Energy efficiency in space heating and hot water	Energy suppliers obligations	Local authority	Municipality of Forlì, Sinergia	2000	2020	Ongoing	€ 1.580.000	€ 1.380.000	14635		2814	2681
public building renovation	Building envelope	Third party financing, PPP	Local authority	Municipality of Forlì, Public Works Sector	2000	2020	Ongoing	€ 1.251.600	€ 148.000	1260		255	28
Subtotal								€ 2.831.600	€ 1.528.000	-15895		-3069	-2709
<b>TERTIARY BUILDINGS, EQUIPMENT/FACILITIES, RESIDENTIAL BUILDINGS</b>													
urban renewal	Integrated action (all above)	Grants and subsidies	Local authority	Municipality of Forlì, private citizens	2000	2020	Ongoing	€ 110.600.000	€ 54.850.000	4710		12355	5708
Urban Planning Regulation	Integrated action (all above)	Energy management	Local authority	Urban planning Service	2013	2020	Ongoing						-
Subsides to private citizens	Integrated action (all above)	Grants and subsidies	Local authority	Municipality of Forlì	2012	2013	Completed	€ 14.000	€ 13.875	29		77	-
Subtotal								€ 110.600.000	€ 54.850.000	-4739		-12432	-5708
<b>PUBLIC LIGHTING</b>													
electric systems renovation	Energy efficiency	Third party financing, PPP	Local authority	Municipality of Forlì, Public Works Sector	2010	2012	Completed	€ 25.500	€ 25.500	88		42	42
traffic lights	Energy efficiency	Energy suppliers obligations	Local authority	Municipality of Forlì - Global Service Director	2011	2015	Ongoing	€ 150.000	€ 118.600	155		74	3
public lighting	Energy efficiency	Third party financing, PPP	Local authority	Municipality of Forlì - Global Service Director	2014	2020	Not started	€ 4.000.000		2099		1000	
Subtotal								€ 4.175.500	€ 144.100	-2342		-1116	-45
<b>TRANSPORT</b>													
Modal shift	Modal shift to public transport	Awareness raising/training	Local authority	Urban Mobility Sector	2000	2020	Ongoing	€ 20.000.000	n.a.			25951	1548
bike sharing	Modal shift to walking and cycling	Awareness raising/training	Local authority	Urban Mobility Sector	2012	2020	Ongoing	-	n.a.	-	-	-	na
Pedibus	Modal shift to walking and cycling	Awareness raising/training	Local authority	Teachers and Private Citizens	2012	2020	Ongoing					18	18
SMARTSET Project	Improvement of logistics and urban freight transport	Transport / mobility planning regulation	Other (national, regional, ...)	Forlì Mobilità Integrata	2013	2016	Not started	€ 134.322				243	
Subtotal								€ 20.134.322				-26212	-1566
<b>LOCAL ELECTRICITY PRODUCTION</b>													
public PV installations	Photovoltaics	Public procurement	Local authority	Municipality of Forlì, Public Works Sector, Environment Service, Forlì Città Solare	2000	2020	Ongoing	€ 7.840.000	€ 1.392.750		3530	1684	199
private PV installations	Photovoltaics	Grants and subsidies	Other (national, regional, ...)	Private citizens	2000	2013	Completed	€ 98.575.650	€ 142.640.000		53250	25400	20343
San Domenico heating system	Other	Awareness raising / training	Local authority	Municipality of Forlì, Major Works Sector	2011	2020	Not started	€ 150.000			916186		
biomass plants	Biomass power plant	Grants and subsidies	Local authority	Municipality of Forlì, Agricultural Companies	2010	2013	Completed	€ 4.000.000	€ 9.000.000		10916	5207	7610
organic waste plant	Biomass power plant	Awareness raising / training	Local authority	Municipality of Forlì	2012	2020	Not started	€ 5.000.000			4757	2270	
Subtotal								€ 115.565.650	€ 153.032.750		-1904825	-34561	-28152
<b>LOCAL HEAT/COLD PRODUCTION</b>													
small scale CHP	Combined Heat and Power	Awareness raising / training	Local authority	Municipality of Forlì, Private Citizens	2012	2020	Not started	€ 3.550.000		9110		4346	
distric heating	District heating/cooling network (new, expansion, refurbishment)	Third party financing, PPP	Other (national, regional, ...)	Municipality of Forlì, Hera S.p.A.	2006	2017	Ongoing	€ 60.000.000	n.a.	121879		23661	-
Subtotal								€ 63.550.000		-130989		-28007	
<b>OTHERS</b>													
green areas	Tree planting in urban areas	Awareness raising / training	Local authority	Municipality of Forlì - Green Sector	2003	2020	Ongoing	€ 2.100.000				1014	110
electric appliances campaign	Other	Awareness raising / training	Local authority	Municipality of Forlì, Private citizens	2011	2020	Ongoing	€ 10.000		66785		7964	
reducing waste per head and door to door collection	Waste and wastewater management	Awareness raising / training	Local authority	Municipality of Forlì, Private citizens	2012	2020	Ongoing	€ 3.015.000	€ 554.000	118676		36529	24063
door to door waste collection	Waste and wastewater management	Awareness raising / training	Local authority	Municipality of Forlì - Environment Service and Civil Protection	2011	2020	Ongoing						-
Energy Help-desk	Other	Awareness raising / training	Local authority	Municipality of Forlì - Environment Service and Civil Protection	2015	2017	Not started	€ 360.000				323	-
Subtotal								€ 5.485.000	€ 554.000	-185461		-45830	-24173
<b>TOTAL</b>								€ 322.342.072	€ 210.108.850	-339426	-1904825	-151227	

## Legenda

Azione di benchmark

Action dismissed  
Action included in a different action

% riduz CO2 su obiettivo

16%