



Italian National Agency for New Technologies,
Energy and Sustainable Economic Development

IMEAS

Networking event

Turin, June 28th 2017

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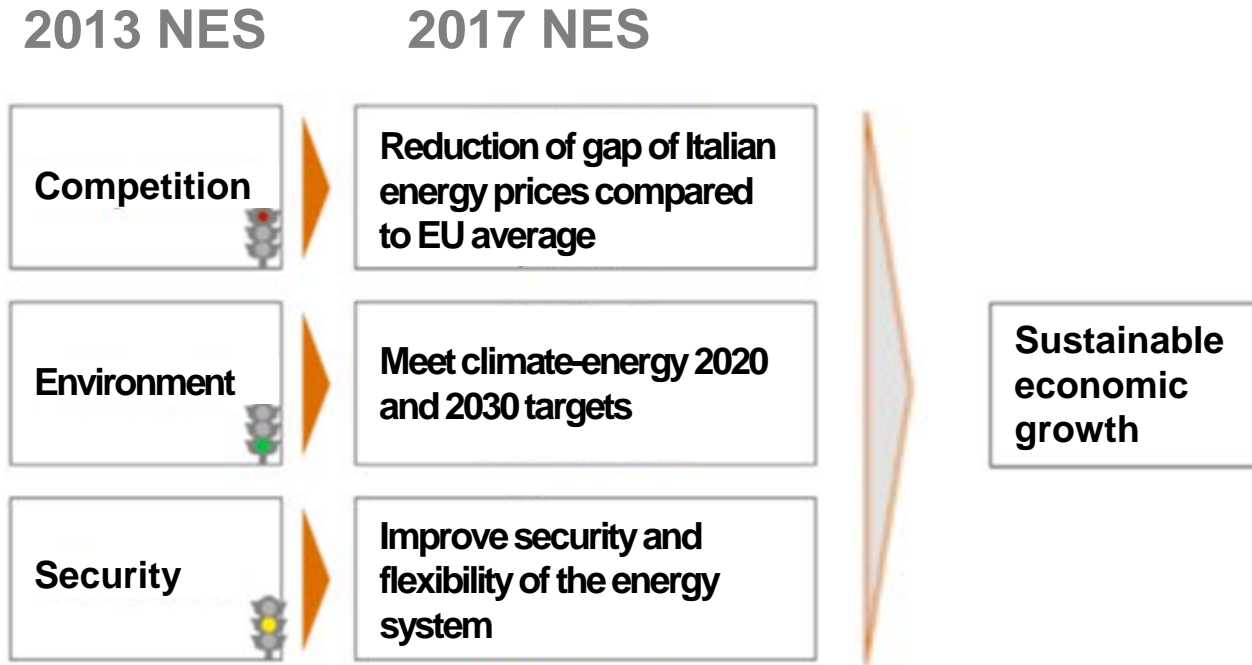
ENEA

ENEA is the Italian National Agency for New Technologies, Energy and Sustainable Economic Development



It is a public Research and Technology Organization operating in the fields of energy, environment and new technologies to support Country's competitiveness and sustainable development

2017 Italian NES*



* 2017 NES is currently under public consultation
Source: Ministry of Economic Development

Achieved final energy savings: 2005-2016

According to 2007 and 2011 National Energy Efficiency Action Plan (Mtoe)

	WhCs	Tax deduction	Conto Termico	Leg. Decree 192/05	Incentives and European rules	Other measures	2016 savings		% target
							Achieved	Expected	
Residential	1,86	2,77	-	1,99	-	0,10	6,72	5,16	130,2%
Tertiary	0,23	0,03	0,003	0,09	-	-	0,35	2,11	16,4%
Industry	2,71	0,05	-	0,20	-	-	2,95	1,73	170,8%
Transport	-	-	-	-	1,47	0,09	1,56	1,87	83,4%
Total	4,79	2,85	0,003	2,28	1,47	0,19	11,58	10,87	106,5%

Source: Ministry of Economic Development

Achieved final energy savings: 2011-2016

According to 2014 National Energy Efficiency Action Plan (Mtoe)

	WhCs	Tax deduction	Conto Termico	Leg. Decree 192/05	Incentives and European rules	Other measures	Energy savings		% target
							Achieved at 2016	Expected at 2020	
Residential	0,59	1,56	-	0,91	-	0,02	3,09	3,67	84,2%
Tertiary	0,13	0,02	0,003	0,05	-	-	0,19	1,23	15,4%
Industry	1,84	0,03	-	0,09	-	-	1,95	5,10	38,3%
Transport	-	-	-	-	1,13	0,04	1,18	5,50	21,4%
Total	2,56	1,60	0,003	1,05	1,13	0,07	6,41	15,50	41,4%

Source: Ministry of Economic Development

Audits in energy-intensive and large-sized enterprises

NACE sector	N° enterprises	N° sites	ISO 50001 enterprises	Large enterprises	Energy intensive - Large enterprises	Energy intensive - No large enterprises
A - AGRICULTURE, FORESTRY AND FISHING	58	97	2	55	1	0
B - MINING AND QUARRYING	37	53	2	22	2	10
C - MANUFACTURING	4.825	6.792	97	2.490	722	1.528
D - ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	226	507	8	191	3	6
E - WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	302	890	12	246	17	14
F - CONSTRUCTION	159	346	9	144	2	1
G - WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	837	2.287	4	728	24	11
H - TRANSPORTATION AND STORAGE	392	942	10	320	27	9
I - ACCOMMODATION AND FOOD SERVICE ACTIVITIES	93	258	2	81	4	0
J - INFORMATION AND COMMUNICATION	150	596	4	130	4	3
K - FINANCIAL AND INSURANCE ACTIVITIES	238	684	6	220	2	0
L - REAL ESTATE ACTIVITIES	57	95	1	46	2	1
M - PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	229	472	4	197	3	3
N - ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	222	471	2	196	5	3
Q - HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	208	451	2	184	12	4
R - ARTS, ENTERTAINMENT AND RECREATION	43	118	0	32	4	1
Other	52	93	1	37	2	3
Total	8.128	15.152	166	5.319	836	1.597

Source: ENEA

The success of Italian approach to energy audits

Over 15 thousand energy audits from over 8 thousand enterprises

Italy ranks at the top in Europe for countries achieving greater compliance to the EED on energy audits in enterprises (Article 8).

In the rest of Europe, a total of 13 thousand energy audits were sent.

Why?

- creation of Permanent Technical Tables as an opportunity for defining operational procedures shared with the involved parties;
- development of sectoral guidelines to provide enterprises with useful information to fulfil their legal obligation;
- development of a specific procedure for multisite companies.

Main (short term) actions

Enabling factors to untap the large potential through new measures



- Training & formation to all involved stakeholders
- Standardization & aggregation of energy efficiency projects
- Behavioural change
- Timely monitoring of implemented measures and wide dissemination of achieved results and best practices

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