

The Numbers

SHAREHOLDERS (1-2)

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Composition of shareholder base ⁽¹⁾							
Investors							
Ministry of the Economy	(%)	13.9	21.1	21.1	-7.2	-34.1	Enel SpA
Cassa Depositi e Prestiti	(%)	17.4	10.1	10.1	7.3	72.3	Enel SpA
Institutional investors ⁽²⁾	(%)	37.3	33.1	34.3	4.2	12.7	Enel SpA
Retail shareholders ⁽²⁾	(%)	31.4	35.7	34.4	-4.3	-12.0	Enel SpA
Location of institutional investors							
Italy	(%)	12.3	15.1	19.9	-2.8	-18.5	Enel SpA
U.K.	(%)	19.2	23.2	21.3	-4.0	-17.2	Enel SpA
Rest of Europe	(%)	39.9	31.1	29.8	8.8	28.3	Enel SpA
North America	(%)	23.4	24.8	27.0	-1.4	-5.6	Enel SpA
Rest of the world	(%)	5.2	5.8	2.0	-0.6	-10.3	Enel SpA
Concentration index (top 50)	(%)	20.1	21.5	21.7	-1.4	-6.5	Enel SpA
Institutional investor investment style ⁽³⁾							
GARP	(%)	28.6	35.8	23.1	-7.2	-20.1	Enel SpA
Growth	(%)	6.7	6.2	33.4	0.5	8.1	Enel SpA
Index	(%)	5.0	21.3	19.7	-16.3	-76.5	Enel SpA
Value	(%)	32.6	32.5	15.2	0.1	0.3	Enel SpA
Hedge	(%)	1.6	0.5	5.8	1.1	220.0	Enel SpA
Other	(%)	25.5	3.7	2.8	21.8	589.2	Enel SpA

(1) During 2009, Enel carried out a capital increase that entailed the issue of 3.216 million new shares. Therefore, the values at the end of 2009 could differ considerably with respect to the previously recorded ones.

(2) Because of a change in the recording criterion, in 2009 the value attributable to institutional investors includes "not identified".

(3) During 2009, the breakdown of the investment styles of institutional investors was reclassified.

SHAREHOLDERS (2-2)

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Socially responsible investors (SRI)							
Presence of SRI funds ⁽⁴⁾	(n.)	67	68	45	-1	-1.5	Enel SpA
Enel shares held by SRI funds	(million)	513.7	361.3	388.1	152.4	42.2	Enel SpA
Weight of SRI in the institutional funds ⁽⁵⁾	(%)	18.6	17.6	18.3	1.0	5.4	Enel SpA
Breakdown of the shareholder base							
Italy	(%)	2.7	1.2	9.3	1.5	125.0	Enel SpA
U.K.	(%)	5.8	2.6	36.0	3.2	123.1	Enel SpA
Rest of Europe	(%)	71.9	59.0	34.0	12.9	21.9	Enel SpA
North America	(%)	13.8	35.2	20.7	-21.4	-60.8	Enel SpA
Rest of the world	(%)	5.8	2.0	-	3.8	190.0	Enel SpA
Presence of SRI in the top 10	(n.)	1	1	2	-	-	Enel SpA

(4) The change in the number of SRI with respect to the last recording is due to a change in the method of the external agency that provides the data.

(5) Beginning in 2009, calculated on the number of shares identified as belonging to institutional investors.

TAXES

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Total taxes	(million euro)	3,385	1,320	2,322	2,065	156.4	Enel
IRES, IRAP, and other taxes	(million euro)	1,690	-219	1,661	1,909	-871.7	Enel
Foreign taxes	(million euro)	830	804	295	26	3.2	Enel
Other taxes and duties	(million euro)	672	551	201	121	22.0	Enel
Fees net of grants received	(million euro)	193	184	165	9	4.9	Enel

CORPORATE GOVERNANCE

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Board of Directors (BoD)							
Total members of BoD	(n.)	9	9	9	-	-	Enel SpA
Independent Directors on BoD	(n.)	5	5	7	-	-	Enel SpA
Directors designated by minority shareholders	(n.)	3	3	3	-	-	Enel SpA
Women on BoD	(n.)	-	-	-	-	-	Enel SpA
Meetings of BoD	(n.)	20	17	21	3	17.6	Enel SpA
Internal dealing ⁽¹⁾							
Shares held by BoD and important persons	(,000)	2,258.3	1,168.8	622.5	1,089.5	93.2	Enel SpA

(1) By internal dealing is meant investment by Directors in Enel SpA shares.



The Numbers

VALUE

KPI	UM						%	Boundary
		2009	2008	2007	2009-2008	2009-2008		
EC1 Value added by stakeholder								
Revenue	(million euro)	64,035	61,184	43,688	2,851	4.7	Enel	
External costs	(million euro)	42,214	41,841	29,916	373	0.9	Enel	
Net proceeds / (Expense) from commodity risk (million euro)		264	-20	-36	284	-1,420.0	Enel	
Gross value added from continuing operations (million euro)		22,085	19,323	13,736	2,762	14.3	Enel	
Gross value added from discontinued operations	(million euro)	-158	240	179	-398	-165.8	Enel	
Gross total value added	(million euro)	21,927	19,563	13,915	2,364	12.1	Enel	
Shareholders	(million euro)	2,734	3,031	3,030	-297	-9.8	Enel	
Providers of capital	(million euro)	1,687	3,162	873	-1,475	-46.6	Enel	
Employees	(million euro)	4,908	4,049	3,263	859	21.2	Enel	
Government	(million euro)	3,385	1,320	2,322	2,065	156.4	Enel	
Enterprise	(million euro)	9,213	8,001	4,427	1,212	15.1	Enel	
EC1 Economic value created								
<i>Economic value generated directly:</i>								
Revenue	(million euro)	64,035	61,184	43,688	2,851	4.7	Enel	
<i>Economic value distributed:</i>								
Operating costs	(million euro)	41,950	41,861	29,952	89	0.2	Enel	
Personnel costs and benefits	(million euro)	4,908	4,049	3,263	859	21.2	Enel	
Payments to providers of capital	(million euro)	4,421	6,193	3,903	-1,772	-28.6	Enel	
Payments to governments	(million euro)	3,385	1,320	2,322	2,065	156.4	Enel	
Economic value of discontinued operations	(million euro)	-158	240	179	-398	-165.8	Enel	
Economic value created	(million euro)	9,213	8,001	4,427	1,212	15.1	Enel	

FINANCING

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
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EC4 Grants

Grants disbursed during the period ⁽¹⁾	(million euro)	24.2	15.3	15.4	8.9	58.4		Italy
Energy networks	(%)	41.6	79.4	77.8	-37.8	-47.6		Italy
R&D	(%)	14.2	10.9	5.3	3.3	30.3		Italy
Renewable energy	(%)	44.0	9.2	11.7	34.8	379.8		Italy
Other	(%)	0.2	0.5	5.1	-0.3	-68.0		Italy
Number of projects that have received disbursements ⁽¹⁾	(n.)	113	100	94	13	13.0		Italy

EC4 Loans granted by the EIB and others

Remaining debt regarding EIB and other loans ⁽²⁾	(million euro)	4,865.2	3,780.4	3,669.9	1,084.8	28.7		Enel
- Italy	(million euro)	3,293.1	2,719.4	2,951.1	573.7	21.1		Italy
- Abroad (Endesa, Slovakia)	(million euro)	1,572.1	1,061.0	718.7	511.1	48.2		Abroad
Energy networks	(%)	80.4	72.6	69.2	7.8	10.8		Enel
R&D	(%)	0.1	0.2	0.2	-0.1	-46.9		Enel
Renewable energy	(%)	12.3	16.4	17.7	-4.1	-24.8		Enel
Other	(%)	7.2	10.9	12.9	-3.7	-33.9		Enel
Number of projects in progress approved with EIB and other loans ⁽³⁾	(n.)	60	26	21	34	130.8		Enel

(1) The value for 2008, which in the 2008 Sustainability Report amounted to 26.8, has been adjusted, because it erroneously considered the share of receipts of Metansicula for 2007.

(2) The value for 2008 has been adjusted, because it did not take into account EIB loan n. 21120 regarding Endesa Spain. The 2008 boundary comprises Italy, Slovakia, and Endesa Spain.

(3) The 2008 boundary comprises Italy, Slovakia, and Endesa Spain.

SUPPLIERS ⁽¹⁾

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
EC6 Suppliers							
Number of suppliers	(n.)	51,088	16,633	17,391	34,455	207.1	Enel
Supplier concentration (top 15) ⁽²⁾	(%)	41.5	32.1	29.2	9.4	29.3	Enel
Local suppliers with contracts worth >1 million euro	(n.)	1,118	509	560	609	119.6	Enel
Foreign suppliers with contracts worth >1 million euro	(n.)	115	45	57	70	155.6	Enel
Spent on local suppliers with contracts worth >1 million euro	(million euro)	5,879.8	2,360.0	2,373.5	3,519.8	149.1	Enel
Spent on foreign suppliers with contracts worth > 1 million euro	(million euro)	1,413.5	708.7	434.0	704.8	99.4	Enel
% of expense on local suppliers	(%)	81	77	85	4	5.2	Enel
% of expense on foreign suppliers	(%)	19	23	15	-4	-17.4	Enel
Supplies and fuels							
Procurement of materials and services	(million euro)	8,975	3,692	3,504	5,283	143.1	Enel
Supplies	(million euro)	1,843	1,873	1,273	-30	-1.6	Enel
Work	(million euro)	3,138	622	960	2,516	404.5	Enel
Services	(million euro)	3,994	1,197	1,271	2,797	233.7	Enel
Fuel purchases	(million euro)	5,014	7,881	4,556	-2,867	-36.4	Enel
Gas	(million euro)	1,174	1,282	2,777	-108	-8.4	Enel
Oil	(million euro)	1,162	646	496	516	79.9	Enel
Coal	(million euro)	1,908	5,179	345	-3,271	-63.2	Enel
Services	(million euro)	770	774	938	-5	-0.6	Enel
Management instruments							
Active qualifications	(n.)	2,541	2,449	2,406	92	3.8	Enel
Online tenders	(%)	90	91	90	-1	-1.2	Enel
Online purchases	(%)	92	82	88	10	11.7	Enel
Non-competitive ⁽³⁾	(%)	42.5	41.7	37.7	0.8	1.9	Enel
Litigation with suppliers							
Total proceedings	(n.)	598	584	548	14	2.4	Enel
Percentage of litigation as defendant	(%)	83.5	82.2	83.6	1.4	1.6	Italy
New proceedings	(n.)	155	6	15	149	2,483.3	Enel

(1) For the 2009 figure the boundary is Enel, while for 2008 and 2007 the boundary is Italy.

(2) For 2009, excluding Endesa Latin America.

(3) For 2009, excluding Endesa.

FINANCIAL PERFORMANCE (1/2)

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
PROVIDERS OF CAPITAL							
Debt							
Total debt	(million euro)	50,870	49,967	55,791	903	1.8	Enel
Debt to Equity	(index)	1.15	1.90	2.40	-0.75	-39.5	Enel
Rating							
S&P	(index)	A -	A -	A -	-	-	Enel
Outlook	(index)	Stable	Negative	Negative	-	-	Enel
Moody's	(index)	A2	A2	A2	-	-	Enel
Outlook	(index)	Negative	Negative	Negative	-	-	Enel
Fitch	(index)	A -	-	-	-	-	Enel
Outlook	(index)	Stable	-	-	-	-	Enel
Share performance							
Share financial performance							
Enel	(%)	1.5	-44.4	4.1	45.9	-103.4	Enel SpA
FTSEMib (MIB30 in 2008 and 2007)	(%)	19.5	-48.4	-6.5	67.9	-140.3	Enel SpA
FTSEElec	(%)	5.8	-40.3	16.2	46.1	-114.4	Enel SpA
Acea	(%)	-18.5	-32.3	-2.4	13.8	-42.7	Enel SpA
A2A	(%)	4.8	7.6	2.2	-2.9	-37.4	Enel SpA
Centrica	(%)	7.5	-16.7	1.2	24.2	-144.9	Enel SpA
Endesa	(%)	-16.3	-21.3	2.4	5.0	-23.5	Enel SpA
Iberdrola	(%)	2.0	-37.1	25.6	39.1	-105.4	Enel SpA
RWE	(%)	6.7	-34.0	15.2	40.7	-119.7	Enel SpA
E.ON.	(%)	2.8	-41.4	40.6	44.2	-106.8	Enel SpA
Cez	(%)	10.1	-42.4	42.0	52.5	-123.8	Enel SpA
GDF-Suez	(%)	-11.7	-11.7	14.8	0.0	0.1	Enel SpA
EdF	(%)	1.4	-49.1	47.6	50.5	-102.9	Enel SpA
EdP	(%)	15.1	-39.7	16.4	54.8	-138.0	Enel SpA
Dividend Yield							
Enel ⁽¹⁾	(%)	6.2	11.7	6.0	-5.5	-47.0	Enel SpA
Acea	(%)	-	6.8	3.8	-	-	Enel SpA
A2A	(%)	-	7.6	2.2	-	-	Enel SpA
Centrica	(%)	4.6	4.6	3.5	0.0	-0.7	Enel SpA
Endesa	(%)	4.3	20.6	4.5	-16.3	-79.2	Enel SpA
Iberdrola	(%)	7.0	5.0	2.5	2.0	40.9	Enel SpA
RWE	(%)	5.2	7.1	3.6	-1.9	-27.1	Enel SpA
E.ON.	(%)	5.1	5.3	2.3	-0.1	-2.7	Enel SpA
Cez	(%)	5.8	5.1	1.5	0.7	13.5	Enel SpA
GDF-Suez	(%)	4.9	4.0	2.8	0.9	22.5	Enel SpA
EdF	(%)	1.3	3.1	2.1	-1.8	-57.1	Enel SpA
EdP	(%)	-	5.2	2.5	-	-	Enel SpA

FINANCIAL PERFORMANCE (2/2)

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
PROVIDERS OF CAPITAL							
Enel in the main worldwide stock indexes							
E100	(%)	0.8	0.7	0.8	0.1	7.2	Enel SpA
Ftse Italy All Share (MIBTEL in 2008 and 2007)	(%)	9.3	7.3	6.7	2.0	27.7	Enel SpA
Ftse MIB (S&P/MIB in 2008 and 2007)	(%)	10.8	9.8	8.7	0.9	9.6	Enel SpA
Ftse Italy All Share Utilities (MIBPUBLH in 2008 and 2007)	(%)	64.2	36.0	41.3	28.2	78.4	Enel SpA
BE500	(%)	0.6	0.6	0.6	0.0	-7.7	Enel SpA
BEELECT	(%)	9.3	7.2	8.8	2.1	29.4	Enel SpA
SX5E	(%)	1.7	1.5	1.5	0.2	12.1	Enel SpA
SXXE	(%)	1.1	1.0	0.9	0.1	10.4	Enel SpA
SX6E	(%)	11.1	8.2	8.7	2.9	35.4	Enel SpA
Enel in the FTSE4GOOD sustainability index	(index)	No	No	No	-	-	Enel SpA
Enel presence in the DJSI	(index)	Yes	Yes	Yes	-	-	Enel SpA
Shareholder's return							
EPS ⁽¹⁾	(Euro cents)	59.0	54.0	64.3	5.0	9.3	Enel SpA
DPS ⁽¹⁾	(Euro cents)	25.0	46.6	49.0	-21.6	-46.4	Enel SpA
TSR since the IPO	(%)	-5.4	-0.5	6.4	-5.0	1.041.5	Enel SpA
TSR last 2 years	(%)	-17.4	-18.3	19.4	0.8	-4.5	Enel SpA
Communication with shareholders							
Meetings with investors	(n.)	360	143	136	217	151.7	Enel SpA
Information on CSR	(n.)	31	30	35	1	3.3	Enel SpA
Retail-shareholder requests for information	(n.)	820	608	769	212	34.9	Enel SpA

(1) 2008 values per Enel share adjusted following the capital increase. The dividend must be approved by the Annual General Meeting.

ECONOMIC PERFORMANCE

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
EC1 Economic performance							
Revenue	(million euro)	64,035	61,184	43,688	2,851	4.7	Enel
Sales	(million euro)	20,330	22,609	22,179	-2,279	-10.1	Enel
GEM	(million euro)	18,377	22,143	17,062	-3,766	-17.0	Enel
Engineering and Innovation	(million euro)	903	1,005	930	-102	-10.1	Enel
Infrastructure and Networks	(million euro)	7,242	6,537	5,457	705	10.8	Enel
Iberia and Latin America	(million euro)	21,532	15,805	4,517	5,727	36.2	Enel
International	(million euro)	5,540	4,708	2,794	832	17.7	Enel
Renewable Energy	(million euro)	1,751	1,852	1,536	-101	-5.5	Enel
Parent Company	(million euro)	637	727	950	-90	-12.4	Enel
Services and Other Businesses	(million euro)	1,092	1,169	1,147	-77	-6.6	Enel
Elisions and Adjustments	(million euro)	-13,369	-15,371	-12,884	2,002	-13.0	Enel
EBITDA	(million euro)	16,044	14,318	9,840	1,726	12.1	Enel
Sales	(%)	2.4	3.9	3.2	-1.4	-36.7	Enel
Generation and Energy Management	(%)	18.8	21.7	27.9	-2.9	-13.3	Enel
Engineering and Innovation	(%)	0.1	0.1	0.1	0.0	8.4	Enel
Infrastructure and Networks	(%)	24.8	26.0	36.0	-1.1	-4.4	Enel
Iberia and Latin America	(%)	36.9	32.5	14.4	4.5	13.8	Enel
International	(%)	8.9	7.3	7.8	1.6	21.7	Enel
Renewable Energy	(%)	7.3	8.3	10.1	-1.0	-11.5	Enel
Other (Parent Company, Services and Other Businesses, Elisions and Adjustments)	(%)	0.6	0.3	0.5	0.3	115.1	Enel
EBIT	(million euro)	10,755	9,541	6,781	1,214	12.7	Enel
EBT	(million euro)	9,068	6,379	5,908	2,689	42.2	Enel
Group net income	(million euro)	5,395	5,293	3,916	102	1.9	Enel

OPERATING DATA

KPI	UM						%	Boundary
		2009	2008	2007	2009-2008	2009-2008		
Electricity sold	(TWh)	287.7	270.4	196.3	17	6.4	Enel	
Italy ⁽¹⁾	(TWh)	127.4	137.2	142.4	-9.8	-7.1	Enel	
Abroad	(TWh)	160.3	133.2	53.9	27.1	20.4	Enel	
Gas sold	(billion m³)	8.6	8.2	5.5	0.4	5.2	Enel	
Italy	(billion m ³)	5.2	5.7	4.9	-0.5	-8.4	Enel	
Endesa	(billion m ³)	3.4	2.5	0.6	0.9	36.0	Enel	
EU3 End customers: energy distribution	(,000)	58,515	49,807	48,616	8,708	17.5	Enel	
Italy	(,000)	31,319	31,128	30,715	190	0.6	Enel	
Abroad	(,000)	27,196	18,679	17,901	8,517	45.6	Enel	
EU3 End customers: energy sales	(,000)	56,999	49,031	-	7,968	16.3	Enel	
Italy	(,000)	29,723	30,233	-	-510	-1.7	Enel	
- regulated market (averages)	(,000)	27,187	28,419	-	-1,233	-4.3	Enel	
- free market (averages)	(,000)	2,537	1,814	-	723	39.9	Enel	
Abroad	(,000)	27,276	18,798	-	8,478	45.1	Enel	
- regulated market (averages)	(,000)	15,563	17,780	-	-2,217	-12.5	Enel	
- free market (averages)	(,000)	11,712	1,018	-	10,694	1,050.4	Enel	
EU2 Electricity produced	(TWh)	267.8	253.2	153.5	14.6	5.8	Enel	
Production Italy	(TWh)	84.0	96.3	94.2	-12.3	-12.8	Enel	
Production abroad	(TWh)	183.8	156.9	59.3	26.9	17.1	Enel	
EU1 Installed power	(MW)	95,326	82,510	75,523	12,816	15.5	Enel	
Installed power Italy	(MW)	40,420	40,323	40,396	97	0.2	Enel	
Installed power abroad	(MW)	54,906	42,187	35,127	12,719	30.1	Enel	

(1) Excluding sales to resellers.

INDIRECT ECONOMIC IMPACTS

KPI	UM						%	Boundary
		2009	2008	2007	2009-2008	2009-2008		
EC8 SOCIAL SPENDING ⁽¹⁾								
Donations	(million euro)	47.0	31.3	7.3	15.7	50.3	Enel	
Investment in communities	(million euro)	50.9	24.4	18.3	26.6	108.9	Enel	
Commercial initiatives with social impact	(million euro)	11.1	11.0	7.8	0.1	0.7	Enel	
Socially sustainable business initiatives	(million euro)	0.4	0.1	0.2	0.4	591.7	Enel	
Total (expense + investment)	(million euro)	109.5	66.8	33.6	42.7	64.0	Enel	

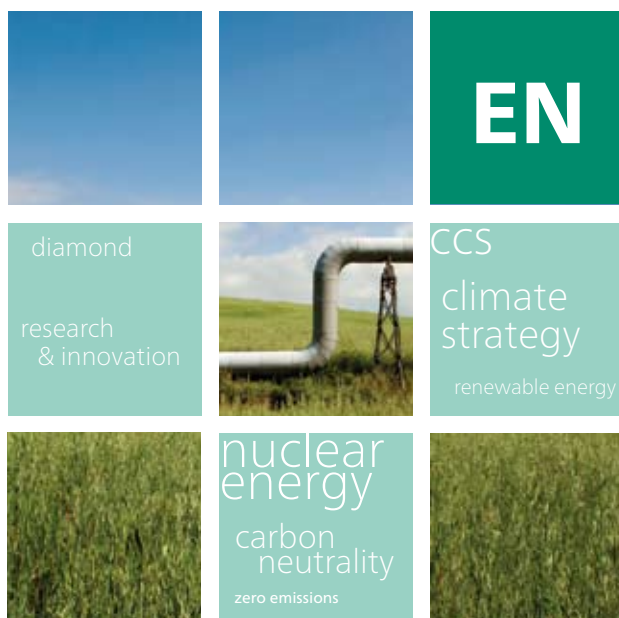
(1) The 2007 figure includes Italy, Slovakia, Enel Latin America, and Romania, the 2008 only Italy, and the 2009 Italy, Endesa, Slovakia, and Bulgaria.

INVESTMENT

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Investment ⁽¹⁾							
Investment	(million euro)	6,824.8	6,502.0	4,929.0	322.8	5.0	Enel
Valle d'Aosta	(million euro)	11.3	13.0	10.6	-1.7	-12.7	Enel
Piemonte	(million euro)	123.7	147.8	157.7	-24.1	-16.3	Enel
Lombardy	(million euro)	207.2	241.1	305.5	-33.9	-14.1	Enel
Trentino Alto Adige	(million euro)	12.3	10.0	11.7	2.3	23.3	Enel
Veneto	(million euro)	163.5	204.6	218.8	-41.2	-20.1	Enel
Friuli Venezia Giulia	(million euro)	15.7	20.7	30.1	-5.0	-24.3	Enel
Liguria	(million euro)	58.2	69.9	59.9	-11.6	-16.7	Enel
Emilia Romagna	(million euro)	102.9	127.2	124.2	-24.3	-19.1	Enel
Tuscany	(million euro)	251.0	233.4	251.6	17.6	7.5	Enel
Marche	(million euro)	26.2	40.7	41.3	-14.5	-35.6	Enel
Umbria	(million euro)	20.5	26.7	31.1	-6.1	-23.0	Enel
Lazio	(million euro)	736.3	963.8	908.3	-227.5	-23.6	Enel
Abruzzo	(million euro)	39.1	39.2	46.0	0.0	-0.1	Enel
Molise	(million euro)	17.3	38.9	50.5	-21.6	-55.5	Enel
Campania	(million euro)	108.0	113.9	135.7	-5.9	-5.2	Enel
Apulia	(million euro)	178.2	151.8	181.6	26.4	17.4	Enel
Basilicata	(million euro)	23.6	30.4	28.2	-6.9	-22.6	Enel
Calabria	(million euro)	53.1	56.3	62.1	-3.2	-5.6	Enel
Sicily	(million euro)	158.2	174.5	176.9	-16.4	-9.4	Enel
Sardinia	(million euro)	95.6	137.2	107.7	-41.6	-30.3	Enel
Total Italy	(million euro)	2,401.9	2,841.1	2,939.4	-439.2	-15.5	Enel
Spain	(million euro)	146.0	192.9	480.0	-46.8	-24.3	Enel
Slovakia	(million euro)	331.0	176.8	131.9	154.2	87.2	Enel
Eastern Europe + France + Greece	(million euro)	494.6	346.3	206.3	148.3	42.8	Enel
Russia	(million euro)	373.6	223.3	2.7	150.4	67.3	Enel
North America ⁽²⁾	(million euro)	-7.6	289.5	264.0	-297.1	-102.6	Enel
South America	(million euro)	107.8	27.2	12.6	80.6	295.8	Enel
Endesa	(million euro)	2,962.2	2,382.4	885.8	579.8	24.3	Enel
Total Abroad	(million euro)	4,407.6	3,638.3	1,983.4	769.2	21.1	Enel
Adjustments	(million euro)	15.3	22.6	6.2	-7.3	-32.1	Enel
Weight of investment abroad	(%)	64.6	56.0	40.2	8.6	15.4	Enel

(1) Investment in 2008 has been reclassified, excluding "Discontinuing Operations", amounting to 895 million euro (Italy Rete Gas 116 million euro, Viesgo 321 million euro, Endesa Europa 458 million euro), in line with what was reported in 2009.

(2) Enel North America's investment is recorded net of grants by the U.S. government for the construction of plants using renewable energy.



The Numbers

EN

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
ENVIRONMENTAL MANAGEMENT SYSTEM								
EN14 Environmental certification								
Coverage of EMAS registration	(%)	50.3	52.4	51.4	-2.2	-4.1		Italy
Coverage of ISO 14001 certification	(%)	89.4	89.6	88.6	-0.2	-0.2		Italy
EN30 Research and innovation								
Technological innovation ⁽¹⁾	(million euro)	86.0	38.9	31.1	47.1	121.3		Italy
Research personnel	(n.)	208	185	180	23	12		Italy
EN30 Environmental expenditure								
Environmental expenditure	(million euro)	227	376	432	-149	-39.7		Italy
Total current environmental expenditure	(million euro)	125	259	279	-134	-51.7		Italy
Total environmental investments	(million euro)	102	117	153	-15	-12.8		Italy
Environment-dedicated personnel	(n.)	208	193	176	15	7.5		Italy
Safety/security systems								
Oil tanker inspections	(%)	100	100	100	-	-		Italy
LNG tanker inspections	(%)	100	100	100	-	-		Italy
Coal tanker inspections	(%)	100	100	100	-	-		Italy

KPI	UM	2009	2008	2007	2009-2008	2009-2008	% Boundary
ENERGY EFFICIENCY OF GENERATING PLANTS							
Generating plants							
Net efficient thermal power	(MW)	24,855	24,862	25,005	-7	0.0	Italy
Coal	(MW)	6,212	5,575	4,959	637	11.4	Italy
CCGT	(MW)	5,946	5,946	5,962	0	0.0	Italy
Oil/gas	(MW)	12,698	13,342	12,083	-644	-4.8	Italy
Net efficient renewable power	(MW)	15,565	15,461	15,391	104	0.7	Italy
Hydro	(MW)	14,431	14,424	14,401	7	0.0	Italy
Wind	(MW)	429	362	315	67	18.4	Italy
Geothermal	(MW)	695	671	671	24	3.6	Italy
Other	(MW)	10	4	4	6	167.5	Italy
Overall net efficient power	(MW)	40,420	40,323	40,396	97	0.2	Italy
Net generation of thermal power plants	(TWh)	50.2	64.7	67.3	-14.5	-22.4	Italy
Coal	(TWh)	28.5	29.4	28.6	-0.9	-3.0	Italy
CCGT	(TWh)	17.1	25.8	23.3	-8.7	-33.6	Italy
Oil/gas	(TWh)	4.5	9.5	15.1	-5.0	-52.1	Italy
Net generation of renewable power plants	(TWh)	33.8	31.6	26.9	2.2	7.0	Italy
Hydro	(TWh)	28.3	26.0	21.2	2.4	9.1	Italy
Wind	(TWh)	0.5	0.5	0.5	0.0	6.9	Italy
Geothermal	(TWh)	5.0	5.2	5.2	-0.2	-3.5	Italy
Other	(TWh)	0.002	0.002	-	-	-	Italy
Overall net generation	(TWh)	84.0	96.3	94.2	-12.3	-12.8	Italy
Units of thermal power plants	(n.)	134	135	133	-1	-0.7	Italy
Coal	(n.)	20	19	18	1	5.3	Italy
CCGT	(n.)	15	15	15	-	-	Italy
Oil/gas	(n.)	32	33	35	-1	-3.0	Italy
GT	(n.)	27	26	25	1	3.8	Italy
Diesel	(n.)	40	42	40	-2	-4.8	Italy
Number of renewable power plants	(n.)	571	562	557	9	1.6	Italy
Hydro	(n.)	502	501	501	1	0.2	Italy
of which mini-hydro (<10 MW)	(n.)	320	324	324	-4	-1.2	Italy
Wind	(n.)	25	25	20	-	-	Italy
Photovoltaic solar	(n.)	5	4	4	1	25.0	Italy
Geothermal	(n.)	32	31	31	1	3.2	Italy
Biomass	(n.)	7	1	1	6	600.0	Italy
EN5 Thermal generating plants							
Share of CCGT (capacity)	(%)	23.9	23.9	23.8	-	-	Italy
Efficiency of coal-fired power plants	(%)	34.2	34.2	34.6	-	-	Italy
Efficiency of CCGT power plants	(%)	51.5	52.6	53	-1.2	-2.2	Italy
Efficiency of oil/gas power plants	(%)	30.0	32.3	35	-2.2	-6.9	Italy
Efficiency of thermal generating plants	(%)	38.1	39.3	39.1	-1.3	-3.2	Italy
Availability of thermal generating plants (KD)	(%)	78.3	73.0	73.3	5.3	7.3	Italy
Green Energy							
Development of renewable energy ⁽²⁾	(MW)	109	71	33	37	52.5	Italy
Hydro	(MW)	8	23	22	-15	-66.6	Italy
including mini-hydro (<10 MW)	(MW)	3	4	7	-1	-31.7	Italy
Wind	(MW)	71	47	11	24	50.0	Italy
Photovoltaic	(MW)	6	1	-	5	400.0	Italy

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
ENERGY EFFICIENCY OF GRIDS								
EN29 Electricity distribution								
Distribution grid losses	(%)	6	6	6	-	-		Italy
Construction/upgrade of LV/MV lines	(km)	15,388	19,939	19,679	-4,551	-23		Italy
LV lines	(km)	10,952	14,596	13,569	-3,644	-25		Italy
MV lines	(km)	4,436	5,217	6,013	-781	-15		Italy
Share of PCB-containing equipment	(%)	2.3	2.7	4.2	-0.4	-15.3		Italy
EN1 Amount of PCBs contained in equipment	(t)	3,021.2	-	-	-	-		Italy
Electricity wheeled	TWh	241.7	257.9	259.0	-16.2	-6.3		Italy
Municipalities served by the power grid	(n.)	7,655	7,654	7,724	1	0.01		Italy
RATIONAL ENERGY USE								
EN6 Promotion of energy efficiency								
Energy Efficiency Certificates (white certificates)	(n.)	788,400	716,728	212,034	71,672	10.0		Italy
Photovoltaic	(kWp)	48,900	29,300	17,600	19,600	66.9		Italy
Smart meters installed	(,000)	32,540	31,811	30,800	729	2.3		Italy
ENVIRONMENTAL PERFORMANCE								
Resources used in the production process								
Fuel consumption								
EN1 Coal	(million t)	11.1	11.7	11.4	-0.6	-5.1		Italy
EN1 Oil	(million t)	0.9	1.4	1.8	-0.5	-34.5		Italy
EN1 Gas	(million m ³)	4.2	6.7	7.2	-2.4	-36.6		Italy
EN1 Gas-oil	(,000 t)	98.7	93.3	69.9	5.4	5.7		Italy
EN1 Biomass and waste for thermal power generation	(,000 t)	209.1	138.6	97.5	70.5	50.9		Italy
EN3 Total fuel consumption	(Mtoe)	11.2	14.1	14.8	-2.8	-20.2		Italy
Coal	(%)	58.7	49.2	45.9	9.5	19.3		Italy
Oil	(%)	8.0	9.8	11.9	-1.8	-18.1		Italy
Gas	(%)	31.9	40.1	41.5	-8.2	-20.5		Italy
Other (gas-oil, biomass, and waste for thermal power generation)	(%)	1.5	1.0	0.7	0.5	50.4		Italy
EN1 Geothermal fluid (overall fluid extracted)	(,000 t)	46,777.9	50,172	50,478	-3,394.3	-6.8		Italy
Geothermal fluid (net of reinjected fluids)	(,000 t)	28,462.0	29,855	30,364	-1,392.7	-4.7		Italy
Geothermal steam used for electricity generation	(,000 t)	41,385.3	43,931	44,215	-2,545.9	-5.8		Italy
EN8								
EN10 Water consumption								
Specific water requirements for thermal power generation ⁽³⁾	(l/kWh)	0.74	0.61	0.57	0.13	21.1		Italy
Water requirements for industrial uses	(million m ³)	36.8	39.0	38.3	-2.2	-5.5		Italy
from rivers	(million m ³)	7.4	8.1	9.4	-0.7	-8.1		Italy
from wells	(million m ³)	6.7	6.6	3.6	0.2	2.7		Italy
from aqueducts	(million m ³)	5.8	6.5	5.5	-0.7	-10.5		Italy
Total abstraction of inland waters	(million m ³)	20.0	21.1	18.5	-1.2	-5.5		Italy
from the sea, as-is	(million m ³)	5.9	10.0	11.9	-4.2	-41.4		Italy
from the sea, desalinated	(million m ³)	6.2	5.9	6.4	0.3	5.0		Italy
from waste water (used inside the installations)	(million m ³)	4.8	2.1	1.5	2.7	129.8		Italy
% of recycled and reused waters	(%)	13.0	5.4	3.9	7.7	143.3		Italy

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
EN1 Expendables	(,000 t)	345.8	317.6	251.7	28.3	8.9		Italy
Lime	(,000 t)	260.8	249.9	192.4	11.0	4.4		Italy
Ammonia	(,000 t)	18.7	17.7	19.8	1.0	5.6		Italy
Caustic soda	(,000 t)	26.8	16.8	15.6	10.0	59.5		Italy
Slaked lime	(,000 t)	7.0	8.2	10.1	-1.2	-14.6		Italy
Sulfuric/hydrochloric acids	(,000 t)	4.8	4.3	4.6	0.5	12.8		Italy
Other	(,000 t)	27.7	20.7	9.3	7.0	33.6		Italy
EN20 Emissions of pollutants ⁽³⁾								
Net specific emissions of SO ₂	(g/kWh)	0.53	0.54	0.67	-0.01	-2.1		Italy
Net specific emissions of NO _x	(g/kWh)	0.50	0.49	0.52	0.004	0.79		Italy
Net specific emissions of H ₂ S	(g/kWh)	2.04	2.53	3.09	-0.48	-19.17		Italy
Specific emissions of particulates	(g/kWh)	0.024	0.024	0.024	0.001	2.167		Italy
Waste water (discharged quantity)	(million m ³)	9.1	10.2	13.7	-1.1	-11.1		Italy
from thermal power generation	(million m ³)	9.0	10.2	13.7	-1.1	-11.2		Italy
from fuel-oil storage and handling	(million m ³)	0.04	0.03	0.03	0.0	19.4		Italy
EN16 Emissions of greenhouse gases								
Specific emissions of greenhouse gases ⁽³⁾	(g/kWh)	746	691	694	56	8.1		Italy
Emissions ⁽⁴⁾	(million t)	37.1	44.4	46.8	-7.3	-16.5		Italy
Avoided emissions	(million t)	20.7	18.4	14.9	2.4	12.8		Italy
Other greenhouse gas emissions (SF ₆)	(.000 kg)	5.1	4.9	4.8	0.2	4.5		Italy
EN22 Waste management								
Waste production	(,000 t)	1,843	1,966	1,801	-124	-6.3		Italy
Hazardous waste production	(,000 t)	50.7	34.1	38.4	16.7	49.0		Italy
Waste recovery	(%)	80.2	86.1	83.7	-5.9	-6.8		Italy
Asbestos disposal	(t)	10,239	3,689	4,737	6,550	177.6		Italy
EN29 Impact on land/landscape								
Length of power lines	(km)	1,099,683	1,112,155	1,104,980	-12,472	-1.1		Italy
Total LV lines	(km)	757,337	752,789	747,406	4,548	0.6		Italy
Total MV lines	(km)	342,289	340,427	338,644	1,862	0.5		Italy
Total HV lines	(km)	57	18,939	18,930	-18,883	-99.7		Italy
Percentage of underground/overhead cables in LV/MV lines	(%)	71.8	71.3	70.6	0.5	0.7		Italy
Percentage of underground/overhead cables in LV lines	(%)	85.3	84.8	84.1	0.5	0.6		Italy
Percentage of underground/overhead cables in MV lines	(%)	41.9	41.4	40.9	0.5	1.2		Italy
Land owned in protected areas/ biodiversity	(ha)	759,208	-	-	-	-		Italy
EN28 Environmental litigation in Italy								
Environmental proceedings as defendant	(n.)	287	213	213	74	35		Italy

(1) This amount (operation and investment costs) includes both the costs directly incurred by the Research Technical Area and the costs incurred for technological innovation by other Areas. The 2007 data refer to the Research Technical Area only.

(2) Gross of decommissioned installations.

(3) The generation data used to compute specific consumption are slightly different (by 0.5 TWh) from those reported in the generation data tables, owing to the different location of the meters used for measuring them. In the case of the specific requirements, use is made of the data measured at the outlet of the plant, while in economic management terms, use is instead made of the value of the power sold.

(4) The data also include emissions from non-certified installations, i.e. not subject to the Emission Trading Directive.

KPI	UM	%					Boundary
		2009	2008	2007	2009-2008	2009-2008	
ENVIRONMENTAL MANAGEMENT SYSTEMS							
EN14 Environmental certification							
Coverage of ISO 14001 certification ⁽¹⁾	(%)	83.9	60.4	68.5	23.4	38.8	Abroad
ENERGY EFFICIENCY OF GENERATING PLANTS ABROAD							
EN5 Generating mix							
Net efficient power of thermal power plants	(MW)	30,971	23,364	15,559	7,608	32.6	Abroad
Net efficient power of nuclear power plants	(MW)	5,283.6	4,564	4,492	720	15.8	Abroad
Net efficient power of renewable power plants	(MW)	18,651	15,069	15,078	3,582	23.8	Abroad
Hydro	(MW)	16,587	12,882	13,490	3,705	28.8	Abroad
Wind	(MW)	1,892	2,084	1,492	-192	-9.2	Abroad
Geothermal	(MW)	47	7	7	40	564.4	Abroad
Other (combined heat & power generation, biomass, etc.)	(MW)	126	95	88	30	31.9	Abroad
Net generation in thermal power plants	(TWh)	99.1	81.7	23.9	17.5	21.4	Abroad
Net generation in nuclear power plants	(TWh)	31.9	32.9	18.2	-1.0	-3.1	Abroad
Net generation in renewable power plants	(TWh)	52.7	42.3	17.2	10.4	24.7	Abroad
Hydro	(TWh)	47.8	38.3	15.8	9.5	24.8	Abroad
Wind	(TWh)	4.3	3.5	1.1	0.8	21.9	Abroad
Geothermal	(TWh)	0.15	0.04	0.04	0.1	322.2	Abroad
Other (combined heat and power generation, biomass, etc.)	(TWh)	0.5	0.5	0.3	0.1	15.2	Abroad
Overall net generation	(TWh)	183.8	156.9	59.3	26.9	17.1	Abroad
Net efficient power of renewable power plants	(MW)	18,651	15,069	15,078	3,582	23.8	Abroad
Iberia	(%)	31.8	35.8	37.9	-4.0	-11.2	Abroad
France	(%)	0.4	0.1	-	0.3	358.5	Abroad
Greece	(%)	0.8	0.7	0.5	0.1	18.1	Abroad
Slovakia	(%)	12.5	15.5	15.4	0.10	0.6	Abroad
Bulgaria	(%)	0.1	0	0.1	0.1	-	Abroad
North America	(%)	4.2	5.0	3.1	-0.7	-14.9	Abroad
Latin America	(%)	50.2	43.0	42.9	7.2	16.7	Abroad
Net generation in renewable power plants	(TWh)	52.74	42.29	17.25	10.44	24.7	Abroad
Iberia	(TWh)	19.2	8.73	2.82	10.44	119.6	Abroad
France	(TWh)	0.01	0.01	-	-	-	Abroad
Greece	(TWh)	0.22	0.22	0.05	-	-	Abroad
Slovakia	(TWh)	4.06	4.06	4.24	-	-	Abroad
Other Europe	(TWh)	0.02	0.02	0.01	-	-	Abroad
North America	(TWh)	1.87	1.87	1.24	-	-	Abroad
Latin America	(TWh)	27.38	27.38	8.89	-	-	Abroad
Iberia	(%)	36.4	20.6	16.3	15.7	76.1	Abroad
France	(%)	0.01	0.02	-	-0.003	-19.8	Abroad
Greece	(%)	0.4	0.5	0.3	-0.1	-19.8	Abroad
Slovakia	(%)	7.7	9.6	24.6	-1.9	-19.8	Abroad
Other Europe	(%)	0.04	0.05	0.04	-0.01	-19.8	Abroad
North America	(%)	3.5	4.4	7.2	-0.9	-19.8	Abroad
Latina America	(%)	51.9	64.7	51.5	-12.8	-19.8	Abroad

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
ENVIRONMENTAL PERFORMANCE								
Resources used in the production process								
EN1	Fuel consumption							
	Coal	(million t)	21.0	17.2	11.8	3.8	21.9	Int.I Division
	Oil	(million t)	0.1	0.1	0.1	0.01	9.1	Int.I Division
	Gas	(million m ³)	6.1	3.9	0.1	2.2	57.1	Int.I Division
	Gas-oil	(,000 t)	1.5	1.6	1.6	-0.1	-4.0	Int.I Division
	Biomass and waste for thermal power generation	(,000 t)	2.2	0.4	0.4	1.8	525.7	Int.I Division
EN3	Total fuel consumption							
EN1	Coal	(%)	57.1	60.3	93.6	-3.2	-5.4	Int.I Division
EN1	Oil	(%)	0.6	0.8	1.9	-0.2	-27.7	Int.I Division
EN1	Gas	(%)	42.3	38.9	1.7	3.4	8.9	Int.I Division
EN1	Other (gas-oil, biomass and waste for thermal power generation)	(%)	0.02	0.001	2.8	0.02	1,765.8	Int.I Division
EN8 EN10	Water consumption							
	Specific water requirements for thermal power generation ⁽²⁾	(l/kWh)	1.5	2.5	5.7	-0.9	-38.0	Int.I Division
	Water requirements for nuclear power generation	(million m ³)	40.4	38.5	37.0	1.9	5.0	Int.I Division
	Nuclear power generation	(TWh)	13.1	12.2	11.4	0.9	7.3	Int.I Division
	Specific water requirements for nuclear power generation	(l/kWh)	3.1	3.2	3.2	-0.1	-2.2	Int.I Division
	Water requirements for industrial uses ⁽²⁾	(million m ³)	123.2	126.2	97.5	-3.0	-2.4	Int.I Division
	from rivers	(million m ³)	110.7	119.6	89.4	-8.9	-7.4	Int.I Division
	from wells	(million m ³)	0.4	0.2	2.5	0.2	84.7	Int.I Division
	from aqueducts ⁽³⁾	(million m ³)	0.0	1.7	0.9	-1.7	-100.0	Int.I Division
	Total abstraction from inland waters	(million m ³)	111.1	121.5	92.9	-10.4	-8.5	Int.I Division
	from the sea	(million m ³)	-	-	-	-	-	Int.I Division
	from the sea, desalinated	(million m ³)	-	-	-	-	-	Int.I Division
	from waste water (used inside the installations) ⁽³⁾	(million m ³)	12.1	4.7	4.7	7.4	157.7	Int.I Division
	% of recycled and reused waters ⁽³⁾	(%)	9.8	3.7	4.8	6.1	163.9	Int.I Division
EN1	Expendables							
	Lime	(,000 t)	473.1	484.9	321.7	-11.9	-2.5	Int.I Division
	Ammonia	(,000 t)	0.8	1.5	2.4	-0.6	-42.9	Int.I Division
	Caustic soda	(,000 t)	2.3	2.2	2.0	0.1	4.6	Int.I Division
	Slaked lime	(,000 t)	20.0	23.9	16.2	-3.9	-16.3	Int.I Division
	Sulfuric/hydrochloric acids	(,000 t)	4.8	3.9	3.6	1.0	24.7	Int.I Division
	Other	(,000 t)	3.9	2.5	6.9	1.4	55.3	Int.I Division
EN20	Emissions of pollutants in Slovakia							
	Net specific emissions of SO ₂	(g/kWh)	11.6	11.8	10.6	-0.2	-1.3	Slovakia
	Net specific emissions of NO _x	(g/kWh)	1.9	1.9	2.1	-	-	Slovakia
	Specific emissions of particulates	(g/kWh)	0.2	0.2	0.2	0.0	-6.4	Slovakia
EN20	Emissions of pollutants in Bulgaria							
	Net specific emissions of SO ₂	(g/kWh)	4.0	7.7	28.8	-3.7	-47.9	Bulgaria
	Net specific emissions of NO _x	(g/kWh)	1.0	1.3	1.6	-0.2	-19.3	Bulgaria
	Specific emissions of particulates	(g/kWh)	0.22	0.22	0.45	0.00	2.23	Bulgaria
EN20	Emissions of pollutants in Russia ⁽²⁾							
	Net specific emissions of SO ₂	(g/kWh)	2.6	2.8	-	-0.2	-7.6	Russia
	Net specific emissions of NO _x	(g/kWh)	2.0	1.7	-	0.3	14.5	Russia
	Specific emissions of particulates	(g/kWh)	2.5	3.3	-	-0.8	-22.8	Russia

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
EN20 Nuclear emissions into the atmosphere							
Noble gases	(TBq per Unit)	6.6	6.5	9.2	0.04	0.6	Slovakia
Iodine	(MBq per Unit)	0.56	0.65	1.06	-0.1	-14.2	Slovakia
Aerosols	(MBq per Unit)	20.8	18.1	20.5	2.7	14.8	Slovakia
Nuclear releases into water							
Tritium	(TBq per Unit)	21.6	12.4	13.0	9.2	73.8	Slovakia
Corrosion and fission products	(MBq per Unit)	31.8	33.8	29.0	-1.97	-5.8	Slovakia
Releases into water							
Waste water (discharged quantity)	(million m ³)	53.4	43.0	27.4	10.4	24.1	Int.I Division
from thermal power generation, simple and CHP ⁽³⁾	(million m ³)	45.1	34.8	20.1	10.3	29.6	Int.I Division
from nuclear power generation	(million m ³)	8.2	8.1	7.3	0.1	0.9	Int.I Division
Emissions of greenhouse gases in Slovakia							
Specific greenhouse emissions	(g/kWh)	1,184	1,338	1,314	-153.5	-11.5	Slovakia
Emissions	(million t)	3.3	4.1	4.1	-0.7	-17.9	Slovakia
Emissions of greenhouse gases in Bulgaria							
Specific greenhouse emissions	(g/kWh)	1,326	1,389	1,385	-62.3	-4.5	Bulgaria
Emissions	(million t)	5.0	5.2	4.8	-0.2	-4.2	Bulgaria
Emissions of greenhouse gases in Russia							
Specific greenhouse emissions	(g/kWh)	664	674	-	-10.0	-1.5	Russia
Emissions ⁽²⁾	(million t)	31.2	19.1	-	12.1	63.1	Russia
EN22 Waste management							
Waste production	(,000 t)	6,888	5,727	3,399	1,161	20.3	Int.I Division
Total non-hazardous waste	(,000 t)	6,885.2	5,723.0	3,385	1,162	20.3	Int.I Division
Recovery of non-hazardous waste	(,000 t)	356.9	369.2	895.1	-12.2	-3.3	Int.I Division
Production of hazardous special waste	(,000 t)	2.8	4.2	14.2	-1.4	-33.7	Int.I Division
Recovery of hazardous waste	(,000 t)	1.1	0.4	2.3	0.8	213.1	Int.I Division
Recovery of waste	(%)	5.2	6.5	26.4	-1.3	-19.4	Int.I Division
Liquid radioactive waste, low/medium level	(,000 mc)	0.09	0.12	0.12	-0.03	-23.2	Int.I Division
Solid radioactive waste, low/medium level	(ton)	31.7	39.4	37.9	-7.7	-19.6	Int.I Division
Solid radioactive waste, high level	(ton)	1.01	0.04	0.11	1.0	2,606.4	Int.I Division
EN29 Impact on land/landscape Romania							
Length of power lines	(km)	124,277	90,240	53,228	34,037	37.7	Romania
Total LV lines ⁽⁴⁾	(km)	80,493	47,559	25,591	32,934	69.2	Romania
Total MV lines	(km)	37,761	37,591	23,523	170	0.5	Romania
Total HV lines	(km)	6,023	5,090	4,114	933	18.3	Romania
Percentage of underground/overhead cables in LV/MV lines ⁽⁴⁾	(%)	42.3	39.3	29.1	3.0	7.7	Romania
Percentage of underground/overhead cables in LV lines ⁽⁴⁾	(%)	44.8	56.0	40.2	-11.2	-20	Romania
Percentage of underground/overhead cables in MV lines	(%)	37.0	19.4	16.9	17.6	90.8	Romania

KPI	UM	2009	2008	2007	2009-2008	2009-2008	%	Boundary
ENDESA'S ENVIRONMENTAL PERFORMANCE								
Resources used in the production process								
Fuel consumption								
EN1	Coal	(million t)	10.7	9.7	-	1.0	10.4	Endesa
EN1	Oil	(million t)	2.2	1.5	-	0.8	52.2	Endesa
EN1	Gas	(million m ³)	5.5	3.5	-	2.0	56.9	Endesa
EN1	Gas-oil	(,000 t)	1.8	1.6	-	0.3	16.2	Endesa
EN1	Biomass and waste for thermal power generation	(,000 t)	69.8	60.4	-	9.3	15.5	Endesa
EN1	Total fuel consumption	(Mtoe)	14.4	9.4	-	5.0	53.3	Endesa
	Coal	(%)	38.7	51.5	-	-12.8	-24.8	Endesa
	Oil	(%)	15.2	15.4	-	-0.2	-1.2	Endesa
	Gas	(%)	32.9	32.8	-	0.1	0.2	Endesa
	Other (gas-oil, biomass, and waste for thermal power generation)	(%)	13.2	0.0	-	13.2	-	Endesa
EN8 EN10	Water consumption							
	Specific water requirements for thermal power generation ⁽²⁾	(l/kWh)	0.76	0.81	-	-0.1	-6.5	Endesa
	Specific water requirements for nuclear power generation	(l/kWh)	7.5	6.0	-	1.5	24.9	Endesa
	Water requirements for industrial uses (2)	(million m³)	219.6	147.5	-	72.1	48.8	Endesa
	from rivers	(million m ³)	206.7	137.9	-	68.8	49.9	Endesa
	from wells	(million m ³)	2.8	3.2	-	-0.4	-11.9	Endesa
	from aqueducts	(million m ³)	4.4	1.6	-	2.8	172.5	Endesa
	Total abstraction from inland waters	(million m ³)	213.9	142.7	-	71.2	49.9	Endesa
	from the sea	(million m ³)	2.7	3.0	-	-0.3	-9.5	Endesa
	from the sea, desalinated	(million m ³)	2.9	1.8	-	1.1	64.4	Endesa
	from waste water (used inside the installations) ⁽³⁾	(million m ³)	0.01	0.01	-	0.0	60.0	Endesa
	% of recycled and reused waters⁽³⁾	(%)	0.004	0.003	-	0.0	7.5	Endesa
EN1	Expendables	(,000 t)	393.2	430.0	-	-36.8	-8.6	Endesa
	Lime	(,000 t)	363.3	402.2	-	-38.9	-9.7	Endesa
	Ammonia	(,000 t)	1.0	0.9	-	0.1	9.1	Endesa
	Caustic soda	(,000 t)	2.9	2.2	-	0.8	35.2	Endesa
	Slaked lime	(,000 t)	6.3	4.3	-	2.0	47.7	Endesa
	Sulfuric/hydrochloric acids	(,000 t)	5.4	4.1	-	1.3	30.7	Endesa
	Other	(,000 t)	14.2	16.3	-	-2.1	-13.0	Endesa
EN20	Emissions of pollutants							
	Net specific emissions of SO ₂	(g/kWh)	1.4	1.7	-	-0.3	-16.9	Endesa
	Net specific emissions of NO _x	(g/kWh)	2.1	2.2	-	-0.1	-4.3	Endesa
	Specific emissions of particulates	(g/kWh)	0.09	0.09	-	0.0	-5.9	Endesa
EN20	Nuclear emissions into the atmosphere							
	Noble gases	(TBq per unit)	24.0	24.4	-	-0.4	-1.5	Endesa
	Iodine	(MBq per unit)	257.9	59.9	-	198.0	330.8	Endesa
	Aerosols							
	Nuclear releases into water	(TBq per unit)	57.7	58.8	-	-1.0	-1.8	Endesa
	Tritium	(MBq per unit)	21,738	4,088	-	17,650.0	431.8	Endesa
	Corrosion and fission products							
	Waste waters (discharged quantity)	(million m³)	194	472	-	-278	-59	Endesa
	from thermal power generation	(million m ³)	36	249	-	-213	-85.5	Endesa
	from nuclear power generation	(million m ³)	158	223	-	-65	-29.3	Endesa

KPI	UM	%					Boundary
		2009	2008	2007	2009-2008	2009-2008	
EN16 Greenhouse gas emissions							
Specific greenhouse gas emissions	(g/kWh)	644	708	-	-63.6	-9.0	Endesa
Emissions	(million t)	41.4	36.5	-	4.9	13.4	Endesa
EN22 Waste management							
Waste production	(,000 t)	2,379	2,221	-	158.0	7.1	Endesa
Including production of hazardous waste	(,000 t)	207.2	35.1	-	172.1	489.9	Endesa
Waste recovery	(%)	62.6	50.1	-	12.5	24.9	Endesa
Liquid radioactive waste, low/medium level	(,000 m ³)	3.31	1.25	-	2.1	164.2	Endesa
Solid radioactive waste, low/medium level	(ton)	88.8	97.2	-	-8.4	-8.7	Endesa
EN29 Impact on land/landscape							
Length of power lines	(km)	594,273	487,897	-	106,376.2	21.8	Endesa
Total LV lines	(km)	302,783	252,554	-	50,228.6	19.9	Endesa
Total MV lines	(km)	258,792	207,663	-	51,129.3	24.6	Endesa
Total HV lines	(km)	32,698	27,680	-	5,018.3	18.1	Endesa
Percentage of underground/overhead cables in LV/MV lines	(%)	38.7	41.9	-	-3.1	-7.4	Endesa
Percentage of underground/overhead cables in LV lines	(%)	55.3	58.8	-	-3.5	-6.0	Endesa
Percentage of underground/overhead cables in MV lines	(%)	19.3	21.2	-	-1.9	-8.8	Endesa

(1) The 2007 data do not include Endesa and Russia.

(2) The 2008 data for Russia are yearly data which have been repropotioned for the 7 months of control.

(3) In 2009, Russia increased its efficiency in the utilization of water for industrial uses, by optimizing the operation of equipment, increasing the use of waste water, and eliminating water abstraction from aqueducts.

(4) The 2009 value is different from the one shown in the Annual Report, because it considers the lines as far as their point of delivery. The 2008 data did not include this value.



The Numbers

ASSOCIATIONS, INSTITUTIONS, AND THE MEDIA

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
Extent of relations							
Meetings with associations ⁽¹⁾	(n.)	900	800	750	100	12.5	Enel excluding Endesa
Issues discussed with associations	(n.)	85	50	50	35	70.0	Enel excluding Endesa

(1) Estimated value.

COMPANY IMAGE

KPI	UM						% Boundary
		2009	2008	2007	2009-2008	2009-2008	
COMPANY IMAGE							
Presence index	(n.)	3,258	3,472	3,378	-214	-6.2	Enel
Global Visibility index	(,000)	1,120	1,269	1,424	-149	-11.7	Enel
Qualitative Visibility index (from -1 to +1)	(index)	0.89	0.91	0.94	-0.02	-2.2	Enel



The Numbers

ELECTRICITY MARKET ITALY (1/2)

KPI	UM						% Boundary
		2009	2008	2007	2009-2008		
ELECTRICITY MARKET ITALY							
EU3 Customer portfolio							
Volume electricity sold	(TWh)	127.1	137.0	142.4	-9.9	-7.2	Italy
- Volume sold free market	(TWh)	55.8	55.3	39.9	0.5	1.0	Italy
- Volume sold regulated market	(TWh)	71.3	81.7	102.5	-10.4	-12.8	Italy
Customers electricity sale	(,000)	29,723.1	30,232.8	30,715.3	-509.6	-1.7	Italy
- Customers free market	(,000)	2,536.6	1,813.7	1,226.1	723.0	39.9	Italy
- Customers regulated market	(,000)	27,186.5	28,419.1	29,489.2	-1,232.6	-4.3	Italy
Sales "Green Energy" ⁽¹⁾	(GWh)	7,968	4,600	1,066	3,368	73.2	Italy
Customers street lighting	(n.)	3,974	3,986	-	-12	-0.3	Italy
Light sources street lighting	(,000)	1,990	1,970	-	20	1.0	Italy
Sales network							
Enel offices (electricity + gas)	(n.)	131	131	135	-	-	Italy
Qui Enel / Qui Gas	(n.)	1,722	1,519	1,271	203	13.4	Italy
Supply activation							
Execution of simple work	(days)	7.2	7.9	9.6	-0.7	-8.7	Italy
Supply activation	(days)	0.9	1.0	1.5	-0.1	-12.6	Italy
EU29 Technical quality							
Service continuity index (excluding external causes)	(min)	45	52	45	-7	-13.5	Italy
Service continuity index (including external causes)	(min)	48	56	49	-8	-14.6	Italy
Investment in quality	(million euro)	87	169	182	-82	-48.5	Italy
Bonuses / Penalties for the service	(million euro)	17	34	183	-17	-50.0	Italy
Outage frequency per customer (including external causes)	(n.)	4.9	5.3	5.1	-0.4	-7.0	Italy
Outage frequency per customer (excluding external causes)	(n.)	4.8	5.1	4.9	-0.3	-5.0	Italy

ELECTRICITY MARKET ITALY (2/2)

KPI	UM					%	Boundary
		2009	2008	2007	2009-2008		
Call Center 800 900 800 enhanced protection service							
Call Center service level	(%)	93	89	86	4	4.3	Italy
Average waiting time	(sec)	152	194	178	-42	-21.6	Italy
Training for Call Center operators (IN Enel)	(h/per person)	28	88	72	-60	-68.2	Italy
Call Center 800 900 860 free market (electricity and gas)							
Call Center service level	(%)	94	91	-	3	3.6	Italy
Average waiting time	(sec)	149	155	-	-6	-3.9	Italy
Training for Call Center operators (IN Enel)	(h/per person)	55	128	-	-73	-57.0	Italy
PR5	Customer satisfaction enhanced protection service						
Customer satisfaction index recorded by 'AEEG' ⁽²⁾	(index)	84	89	7.2	-5	-5.6	Italy
Frequency AEEG surveys	(n.)	2	2	12	-	-	Italy
Written complaints and requests for information	(,000)	115.8	82.8	90.2	33.1	39.9	Italy
Response time written complaints	(days)	19.7	36.2	34.9	-16.5	-45.6	Italy
PR5	Customer satisfaction free electricity market						
Customer satisfaction index recorded by AEEG ⁽³⁾	(index)	76	72	-	4	5.6	Italy
Frequency AEEG surveys	(n.)	2	2	-	-	-	Italy
Written complaints and requests for information	(,000)	95.5	51.1	-	44.4	86.8	Italy
Response time written complaints	(days)	35.0	46.9	-	-11.9	-25.4	Italy
PR8	Litigation with customers electricity market Italy						
Total proceedings	(n.)	139,588	104,406	107,931	35,182	33.7	Italy
% proceedings as defendant	(%)	95.3	94.2	91.2	1.1	1.2	Italy
GAS MARKET							
EU3	Customer portfolio						
Volume gas sold	(million m ³)	5,169	5,677	4,897	-508	-9.0	Italy
Customers mass market	(million m ³)	3,301	3,222	2,865	79	2.4	Italy
Business customers	(million m ³)	1,868	2,455	2,032	-587	-23.9	Italy
Gas customers ⁽⁴⁾	(,000)	2,773.4	2,644.0	2,462.4	129.4	4.9	Italy
PR5	Customer satisfaction Gas						
Written complaints and requests for information	(,000)	24.1	20.0	4.4	4.1	20.4	Italy
Response time written complaints	(days)	20.8	25.5	18.5	-4.7	-18.4	Italy
PR8	Litigation with gas market customers						
Total proceedings	(n.)	479	116	354	363	312.9	Italy

(1) RECS certificates cancelled or in the process of being cancelled for 2008. The 2007 value, amounting to 1,066 GWh, was reclassified according to the same criterion.

(2) Since 2008, this number, recorded by the AEEG, has been expressed in hundredths and has been carried out semi-annually on a limited sample of about 1,200 customers. In 2007, instead, the number was recorded by Enel and was expressed in tenths on a monthly sample of about 2,000 customers.

(3) This number regards the free electricity + gas market. Recorded by the AEEG, it is expressed in hundredths and is calculated semi-annually on a limited sample of about 1,200 customers.

(4) Includes dual energy.

FOREIGN MARKET (1/2)

KPI	UM					%	Boundary
		2009	2008	2007	2009-2008		
Volume electricity sold							
Volume sold free market	(GWh)	87,416	42,199	26,251	45,217	107.2	Enel
Iberia	(GWh)	72,137	32,417	7,663	39,720	122.5	Enel
Romania	(GWh)	1,022	981	644	41	4.2	Enel
France	(GWh)	3,276	1,031	394	2,245	217.7	Enel
Russia	(GWh)	5,243	3,154	17,222	2,089	66.2	Enel
Latin America	(GWh)	5,738	4,616	328	1,122	24.3	Enel
Volume sold regulated market	(GWh)	72,902	90,960	27,640	-18,058	-19.9	Enel
Iberia	(GWh)	15,371	43,133	16,094	-27,762	-64.4	Enel
Romania	(GWh)	8,576	6,812	4,274	1,764	25.9	Enel
Russia	(GWh)	14,433	14,264	203	169	1.2	Enel
Latin America	(GWh)	34,522	26,751	7,069	7,771	29.0	Enel
Total volume sold abroad	(GWh)	160,318	133,159	53,891	27,159	20.4	Enel
Iberia	(GWh)	87,508	75,550	23,757	11,958	15.8	Enel
Romania	(GWh)	9,598	7,793	4,918	1,805	23.2	Enel
France	(GWh)	3,276	1,031	394	2,245	217.7	Enel
Russia	(GWh)	19,676	17,418	17,425	2,258	13.0	Enel
Latin America	(GWh)	40,260	31,367	7,397	8,893	28.4	Enel
EUS Total customers foreign market	(,000)	27,276	18,798	17,948	8,478	45.1	Enel
Iberia	(,000)	11,700	7,811	8,353	3,889	49.8	Enel
Romania	(,000)	2,565	2,557	1,444	8	0.3	Enel
France	(n.)	26	15	7	11	73.3	Enel
Russia	(,000)	105	105	123	-	-	Enel
Latin America	(,000)	12,906	8,325	8,028	4,581	55.0	Enel

FOREIGN MARKET (2/2)

KPI	UM						%	Boundary
		2009	2008	2007	2009-2008			
ELECTRICITY MARKET ROMANIA								
EU3	Customer portfolio	(,000)	2,565	2,557	1,444	8	0.3	Romania
	Customers free market	(,000)	1.6	1.4	0.8	0.2	12.1	Romania
	Customers regulated market	(,000)	2,563	2,556	1,443	8	0.3	Romania
Sales network								
	Agencies	(n.)	82	75	95	7	9.3	Romania
	Indirect channel	(n.)	-	3	2	-	-	Romania
Supply activation								
	Supply activation	(days)	44	-	-	-	-	Romania - Banat
	Supply activation	(days)	37	-	-	-	-	Romania - Dobrogea
	Supply activation	(days)	37	-	-	-	-	Romania - Muntenia
EU29	Technical quality							
	Service continuity index	(min)	557	-	-	-	-	Romania
	Outage frequency per customer	(n.)	6.7	-	-	-	-	Romania
Call Center								
	Call Center service level (regulated market)	(%)	83	-	-	-	-	Romania
PR5	Customer satisfaction (regulated market)							
	Written complaints and requests for information	(,000)	10.4	-	-	-	-	Romania
	Response time written complaints	(days)	7	-	-	-	-	Romania
ELECTRICITY MARKET IBERIA								
EU3	Customer portfolio ⁽²⁾	(,000)	11,700	7,811	8,353	3,889	49.8	Iberia
	Customers free market	(,000)	11,700	907	778	10,792	1,189.3	Iberia
	Customers regulated market	(,000)	0	6,904	7,575	-6,904	-100.0	Iberia
Sales network								
	Agencies	(n.)	40	-	-	-	-	Iberia
	Indirect channel	(n.)	447	-	-	-	-	Iberia
Supply activation								
	Supply activation	(days)	1.9	-	-	-	-	Iberia
EU29	Technical quality							Iberia
	Service continuity index	(min)	70	-	-	-	-	Iberia
	Outage frequency per customer	(n.)	1.7	-	-	-	-	Iberia
Call Center								
	Call Center service level	(%)	82	-	-	-	-	Iberia
ELECTRICITY MARKET LATIN AMERICA								
EU3	Customer portfolio	(,000)	12,906	8,325	8,028	4,581	55.0	Latin America
	Customers free market	(,000)	6.48	4.23	0.12	2	53.2	Latin America
	Customers regulated market	(,000)	12,900	8,321	8,028	4,579	55.0	Latin America

(1) 100% consolidated as from 2009 (in 2008, 67.05%).

(2) On July 1, 2009 the "TUR" went into effect, so there are no longer regulated customers, they having shifted to the free market.