

ENVIRONMENTAL

INDICATORS

Environmental data, along with the methodology, definitions, and threshold criteria are detailed in the document “Sociographics and Environmental Policy 2011”, available on Vivendi’s website. Indicators identified by the sign ✓ were specifically verified by one of Vivendi’s Statutory Auditors (see the External auditor’s report p. 88).

Consumption

2011							2010	2009	NRE Law	GRI G3.1
Consumption of water (in thousands of m³)									⊙	EN 8
Consolidated data							741.3	863.8	636.9	
AB	UMG	SFR	MT	GVT	GC+	Others				
77.1	128.2	158.8	262.7	51.9	49.8	12.8				
The consumption of water in the Group remains relatively stable. The 2011 data take into account, for some business units, consumption at sites where a workforce is present in order to provide a more accurate picture of consumptions (Activision Blizzard and Universal Music Group). For other business units, all of the sites are taken into account. The 2011 data also include the fact that certain subsidiaries, which up until the present, and according to the Protocol, only estimated part of their water consumption, have now gathered more actual data. For example, the actual share of water consumption accounts for about two thirds of the total consumption of Activision Blizzard. As regards Maroc Telecom, the 2010 data (416.4 thousands of m³) included an overestimate of water consumption in two of the eight regional Directorates.										
Consumption of natural gas (in millions of KWh)									⊙	EN 3
Consolidated data							33.5	10.1	13.6	
AB	UMG	SFR	MT	GVT	GC+	Others				
12.0	19.6	1.8	na	na	0.1	na				
The increase in natural gas consumption observed in 2011 is due to a better reporting of Universal Music Group consumption, which is about four times higher than last year.										
Consumption of heating oil (in L)									⊙	EN 3
Consolidated data							5,557,538	677,252	108,482	
AB	UMG	SFR	MT	GVT	GC+	Others				
2,600	1,579	69,211	5,363,333	62,702	58,113	na				
The increase in heating oil consumption is essentially related to a better reporting of consumption in the regional Directorates of Maroc Telecom, which in 2010 had mainly under-reported the consumptions related to this indicator. The integration of new sites of Canal+ Overseas also contributes to the increase of heating oil consumption in 2011.										
Consumption of diesel fuel (in L)									⊙	EN 3
Consolidated data							6,274,196	5,301,327	6,713,016	
AB	UMG	SFR	MT	GVT	GC+	Others				
✓ 75,809	179,247	✓ 2,001,101	✓ 3,424,911	✓ 57,290	✓ 535,838	na				
This indicator was verified by one of Vivendi’s Statutory Auditors.										

na/Data not applicable.

Consumption (following)

2011							2010	2009	NRE Law	GRI G3.1
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Consumption of electricity (in millions of KWh)

⊙ EN 3

Consolidated data						1,066.9	945	848
AB	UMG	SFR	MT	GVT	GC+	Others		
✓ 40.7	40.6	612.2 (Group) ✓ 271.1 (strategic sites)	✓ 284.1	✓ 39.1	✓ 46.8	3.4		
<p>The increase in electricity consumption observed in the Group is related, on the one hand, to the expansion of the scope of reporting in 2011 and, on the other hand, to a growth in activities. Regarding the Group's telecoms operators, GVT and SFR have recorded increased energy consumption due to the growth of their activities and investments in their networks' infrastructures. Maroc Telecom revised its methodology for calculating consumption at all of its regional Directorates and is including, for this year, all consumption actually billed as well as an estimate for year-end 2011, when the associated invoices had not yet been received.</p> <p>88% of the Group's electricity consumption is generated by Telecommunications activities and 12% is related to Entertainment activities. This indicator was verified by one of Vivendi's Statutory Auditors. As regards SFR, the verification applied to electricity consumption in strategic sites.</p>								

Including use of renewable energy sources (in millions of KWh)

⊙ EN 4

Consolidated data						50.5	6	5	
AB	UMG	SFR	MT	GVT	GC+	Others			
8.1	1.6	na	1.7	39.1	na	na			
<i>This is a sub-indicator of the indicator "Consumption of electricity". 4.7% of the Group's electricity consumption is from renewable energy sources. Purchase of this type of electricity is in four Group's subsidiaries: Activision Blizzard, UMG, GVT, Maroc Telecom.</i>									
<i>GVT consumption has been readjusted in 2011 because it was included in the indicator of electricity consumptions in 2010 (+ 39.1 MWh).</i>									

Emissions and waste

2011							2010	2009	NRE Law	GRI G3.1
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CO₂ emissions (in Kt) and breakdown by source

⊙ EN 16

Consolidated data							399.0	296.9	247.9
Electricity							78,31%	91.79%	88.80%
Natural gas							1,72%	0.79%	1.29%
Heating oil							3,71%	0.67%	0.04%
Steam							0,14%	0.70%	0.04%
Fuels							5,28%	6.05%	9.82%
Refrigerant gas							1,34%	-	-
Business and work/home travels							9,51%	-	-
AB	UMG	SFR	MT	GVT	GC+	Others			
29.6	26.0	93.7	229.3	7.9	11.1	1.4			
<i>The percentage variations observed in 2011 in breakdown of emissions by source are related to the better measurement of heating oil consumption.</i>									
<i>CO₂ emissions increased by 34% in 2011. More than half of the change in CO₂ emissions recorded at Group level were due to an expansion of the scope of reporting for certain business units. As regards GVT and UMG, the change of methodology implemented in 2011, and the resulting increased scope of reporting, do not make a relevant comparison with the data from the previous year possible.</i>									

CO₂ emissions associated with business-related travel, by type of transportation (in tons of CO₂)

⊙ EN 17

Consolidated data							17,007	28,440	6,857	
AB	UMG	SFR	MT	GVT	GC+	Others				
6,179	2,583	5,108	328	2,083	65	661				

Emissions of refrigerant gases (in tons)

⊙ EN 19

Consolidated data							2.96	1.63	na	
AB	UMG	SFR	MT	GVT	GC+	Others				
0.00	0.02	0.54	2.39	0.00	0.00	0.02				
The subsidiaries of the Group have improved their measurement of this indicator.										

Emissions and waste (following)

2011							2010	2009	NRE Law	GRI G3.1
Waste production (in tons) and breakdown by type of waste									⊙	EN 22 EN 27
Consolidated data							10,779.4	8,745.2	3,770.5	
Hazardous and special waste							464 (4%)	12 (0%)	34 (1%)	
Non-hazardous waste							7,767 (72%)	8,173 (94%)	3,384 (90%)	
Waste from Electrical and Electronic Equipment (WEEE)							2,549 (24%)	561 (6%)	353 (9%)	
AB	UMG	SFR	MT	GVT	GC+	Others				
1,610.4	1,710.9	4,664.2	922.2	1,060.7	729.7	81.4				
0.0%	1.3%	8.0%	6.7%	0.0%	0.4%	0.9%	Hazardous and special waste			
99.8%	92.8%	42.0%	93.2%	99.8%	84.8%	95.3%	Non-hazardous waste			
0.1%	5.9%	50.0%	0.1%	0.2%	14.8%	3.9%	WEEE			
Hazardous waste:										
Maroc Telecom and Activision Blizzard focused on the collection of this waste category and posted an increase in the volume of their hazardous waste in 2011.										
WEEE:										
- In 2011, SFR posted a significant increase due to the fact that a new waste category (domestic WEEE) was taken into account in Vivendi's reporting. As regards the phones collection, SFR collected 351,545 used cellular phones and implemented a program that offers customers purchase vouchers for mobiles taken back to the sales outlet or with offers, which entitle customers to a reduction in their phone bill. SFR also collected 2,229,513 ADSL boxes and decoders (71% of the collected boxes and decoders were reused).										
- Maroc Telecom optimized the collection of various kind of waste. Each quarter, Maroc Telecom conducts inventories to identify equipment that is obsolete or not serviceable in their network. They are auctioned to companies which then reprocess them.										
- Due to the growth of its activities and improved collection, GVT's WEEE volume was also up in 2011.										
- In the Canal+ Group, certain Overseas Canal+ sites particularly contributed in terms of waste electrical and electronic equipment and improved their reporting in non-hazardous waste. In addition, with the digital switchover by Canal+ Distribution, 2 million analog set-top boxes have been taken back by subscribers (730,000 of them were reintroduced into the sales network).										

Other NRE Law information

2011							2010	2009	NRE Law	GRI G3.1
Measures taken to limit damage on the biological stability, protected wildlife, and plant species									⊙	EN 6 EN 14 EN 26
<p>The Group's subsidiaries plan their construction projects by taking into consideration the principles of sustainable development, reducing water and energy consumption, and integration of infrastructures into the landscape.</p> <p>In 2010, under the aegis of the French Telecom Federation, SFR signed a voluntary Charter for sustainable development with the Ministry of Ecology, Sustainable Development, Transportation and Housing. While continuing its efforts to improve the telecommunications coverage of the territory, the company has been committed for several years (following the signing of a guide of good practices between the mayors of France and all operators) to a wide landscape integration program for its relay antennas. Under the terms of this approach, SFR acts in concert with elected officials, lessors and local communities. In late 2011, 99% of new sites were integrated in this way into their environment in mainland France and 100% of Société Réunionnaise du Radiotéléphone (except for the sites of TDF and dead zones).</p>										
Assessment or certification processes undertaken in the area of the environment									⊙	
Consolidated data			3 new sites were assessed in application of the compliance Program with environmental, health and workplace safety standards				10 new sites assessed	10 new sites assessed		
AB	UMG	SFR	MT	GVT	GC+	Others				
0	0	0	2	0	1	0				
Measures taken to ensure compliance of activities to applicable legal and regulatory provisions									⊙	
Consolidated data			See section 3.4 of the separate document Sociographics and Environmental Policy 2011 p. 29				Section 2.4 SEP 2010 p. 31	Section 2.4 SEP 2009 p. 26		

Other NRE Law information (following)

2011				2010	2009	NRE Law	GRI G3.1
Expenditures for prevention of environmental impact						⊙	EN 30
Consolidated data		More than €9 million	€1.31 million	€1 million			
These expenses relate to financing measures related to building compliance measures (mainly at SFR) which account for the observed increase, ICPE diagnostics (Classified facilities for the protection of the environment), energy audits, and measures adopted to optimize equipment, especially in terms of energy.							
Number of persons in charge of environmental management						⊙	
Consolidated data	Vivendi headquarters	0	1	1			
	Business units	8	10	8			
Number of employees trained in and made aware of environmental best practices						⊙	
Consolidated data		24,145	1,406	484			
Environmental provisions, guarantees and penalties						⊙	EN 28
		This information is not consolidated at a Group level in 2011	Two non-significant notifications (fines paid in a total amount of less than €1,500)	No notification received (no fine or penalty)			
Health and mobile telephony						⊙	IO 4 PA 9
See Vivendi's policy regarding radiofrequencies and their effects on health in p. 66-67							