

ESD savings calculation

TRANSPORT

CODE ESD	Energy Savings (2007 as a reference)	Units	2008	2009	2010	2011	2012	2013	2014
M5	Road vehicles	ktoe	1366	1826	2101	2722	3075	3630	3364
M6	Rail transport	ktoe	-109	-229	-179	-136	-220	-212	-206
M7	Domestic water transport	ktoe	17	6	47	18	19	37	42
	Total 1 energy savings (Minimum)	ktoe	1383	1832	2147	2740	3094	3667	3406
		GWh	16083	21299	24970	31861	35977	42635	39610
P8	Cars (based on passenger km)	ktoe	-128	-95	-118	258	478	963	1095
A1 FOR P8	<i>Cars (based on 1/100 km)</i>	ktoe	445	530	535	1158	1497	1972	2024
P9	Trucks only (based on ton-km)	ktoe	584	366	415	361	489	527	621
A2 FOR P9	<i>Trucks and light vehicles (based on vehicle)</i>	ktoe	1101	1806	1410	1280	1915	2002	2322
P10	Passenger rail transport	ktoe	-6	-9	-10	-7	-10	-10	-7
P11	Rail transport of goods	ktoe	4	22	28	23	24	24	25
P12	Modal shift for passenger transport	ktoe	204	185	218	310	311	281	242
P13	Modal shift for freight transport	ktoe	15	-64	-229	-84	-39	-47	21
	Total 2 with preferred or alternative indicators	ktoe	1379	1197	1314	1853	2320	2804	2932
		GWh	16039	13923	15282	21544	26982	32606	34098

CODE ESD	Indicators	Units	2007	2008	2009	2010	2011	2012	2013	2014
M5	Energy consumption of road vehicles per car equivalent	toe/eq car	0,7	0,709	0,701	0,697	0,687	0,681	0,672	0,677
M6	Energy consumption of rail transport per tkbr	goe/tkbre	4,4	4,8	5,4	5,2	5,0	5,4	5,3	5,3
M7	Energy consumption of domestic water transport	goe/tkm	67	64	66	61	64	64	62	61
P8	Energy consumption of car per passenger km	goe/pkm	35	36	36	36	35	35	34	34
A1 FOR P8	Specific energy consumption of car (l/100 km)	l/100 km	7,4	7,3	7,2	7,2	7,1	7,0	6,8	6,8
P9	Energy consumption of trucks and light vehicles per ton-km	goe/tkm	61	59	66	65	65	66	66	67
A2 FOR P9	Energy consumption of trucks and light vehicles per vehicle	toe/veh	2,23	2,06	1,94	2,01	2,03	1,93	1,92	1,87
P10	Energy consumption of passenger rail transport	Mtoe	0,7428	0,8057	0,8342	0,8432	0,8127	0,8417	0,8352	0,8111
P11	Energy consumption of rail transport of goods per ton-km	Mtoe	0,4901	0,4749	0,3942	0,3704	0,3942	0,3872	0,3834	0,3789
P12	Share of public transport in total passenger transport	%	18,0%	19,1%	19,0%	19,2%	19,7%	19,7%	19,6%	19,4%
P13	Share of rail, water transport in total freight transport	%	17,9%	18,0%	17,4%	16,2%	17,3%	17,6%	17,6%	18,1%

Data requested	Source	Units	2007	2008	2009	2010	2011	2012	2013	2014
Total consumption of road transport	SOES	ktoe	42168	41166	40956	40996	40776	40686	40243	40695
Total consumption of cars	SOES	ktoe	22621	22379	22432	22595	22206	22005	21557	21592
Gasoline consumption of motorcycles	SOES	ktoe	483	511	540	540	540	540	540	540
Total consumption of buses	SOES	ktoe	763	811	823	845	858	866	869	866
Total consumption of trucks & light vehicles	SOES	ktoe	13929	12940	12285	12777	13051	12517	12465	12221
Total consumption of rail transport	SOES	ktoe	1232,9	1280,6	1228,5	1213,6	1206,9	1229	1219	1190
Total consumption of inland waterways transport	SOES	ktoe	502	482	488	490	505	502	490	474
Stock of cars	CCFA	k	30550	30775	30950	31175	31425	31575	31622	31725
Stock of cars (gasoline)	CCFA	k	15018	14438	13845	13364	12910	12454	12114	11985
Stock of cars (diesel)	CCFA	k	15533	16338	17106	17812	18515	19121	19511	19741
Stock of buses	MEDDE	k	86	87	87	88	90	91	92	92
Stock of trucks and light vehicles	MEDDE	k	6246	6296	6319	6361	6426	6471	6487	6521
Stock of motorcycles	MEDDE	k	2990	3245	3500	3573	3649	3700	3821	3836
Car traffic	MEDDE	Mpkm	638192	627768	630188	634118	633771	634299	635332	640075
Road traffic for public modes in pass-km	MEDDE	Mpkm	45324	47525	48210	50547	51744	52069	51981	51438

Rail passenger traffic in passenger-km (incl. metro, tram)	SNCF	Mpkm	94979	100878	99987	100299	103684	104029	103262	102626
Road goods traffic	MEDDE	Mtkm	229473	217736	187150	196469	200594	188382	188119	182606
Rail goods traffic	MEDDE	Mtkm	42612	40436	32129	29965	34202	32539	32230	32596
Inland waterways goods traffic	MEDDE	Mtkm	7544	7504	7423	8060	7864	7830	7911	7752
Average distance driven per car per year	MEDDE	km	12968	12749	12758	12769	12692	12666	12699	12753

Number of road vehicles expressed in car equivalent		M	58	58	58	59	59	60	60	60
Traffic in Gross ton-kilometre for train		Mtkbr	279349	265490	226538	234372	242538	228651	228160	222853
Specific consumption of cars (litre per 100 km)		l/100 km	7,41	7,27	7,25	7,25	7,07	6,97	6,82	6,81

Coefficient

Weighted average coefficient gasoline and diesel: from toe to 1000 l	1	0,851	0,853	0,855	0,855	0,857	0,858	0,835	0,835
Coefficient of conversion of one truck in equivalent car	1	12,5	12,5	12,5	12,5	12,5	12,5	12,488	12,488
Coefficient of conversion of one light vehicles in equivalent car	1	1,6	1,6	1,6	1,6	1,6	1,6	1,576	1,576
coefficient of conversion of one bus in terms of an equivalent car	1	11	11	11	11	11	11	10,928	10,928
coefficient of conversion of one motorcycle in equivalent car	1	0,15	0,15	0,15	0,15	0,15	0,15	0,150	0,150
gross ton-kilometre for passenger train	1	1,70	1,70	1,70	1,70	1,70	1,70	1,700	1,700
gross ton-kilometre for goods train	1	2,50	2,50	2,50	2,50	2,50	2,50	2,500	2,500

HOUSEHOLDS

Code ESD	Energy Savings	Units	2008	2009	2010	2011	2012	2013	2014
M1	Non electric uses	ktoe	1743	2614	3410	3554	4341	5479	5821
M2	Electrical uses	ktoe	-385	-372	-762	282	-150	-276	931
	Total 1 with minimum indicators	ktoe	1743	2614	3410	3836	4341	5479	6752
		GWh	20269	30400	39646	44601	50479	63705	78510
P1	Space heating	ktoe	1639	2364	3445	3264	4101	5222	5590
P2	Space cooling	ktoe	-4258	-7814	-9996	-10143	-12162	-12617	-10633
P3	Water heating	ktoe	23	35	16	6	17	79	158
P4	Electrical appliances		39,7816622	120,241932	163,155018	220,195681	281,119155	290,336733	303,494012
	Refrigerators	ktoe	17	33	51	71	92	92	93
	Freezers	ktoe	13	27	42	58	75	76	77
	Washing machine	ktoe	7	14	20	29	39	39	40
	Dish washers	ktoe	2	4	7	9	11	12	12
	TV	ktoe	0	41	41	51	61	71	81
	Dryers	ktoe	1	1	2	3	4	NA	NA
P5	Lighting	ktoe	15	34	138	163	233	248	266
	Total 2 with preferred indicators	ktoe	1717	2554	3762	3654	4633	5839	6317
		GWh	19962	29694	43739	42484	53875	67901	73459

Code ESD	Indicators	Units	2007	2008	2009	2010	2011	2012	2013	2014
M1	Non electric consumption per dwelling (climate adjusted)	toe/dw	1,2	1,1	1,1	1,1	1,1	1,0	1,0	1,0
M2	Electricity consumption per dwelling	kWh/dw	5279,9	5443,2	5436,4	5597,3	5163,5	5341,5	5392,2	4904,0
P1	Space heating consumption per m2 (climate adjusted)	koe/m2	12,8	12,1	11,8	11,4	11,5	11,2	10,8	10,6
P2	Unit consumption per dwelling for cooling (climate adjusted)	kWh/m2	16,6	18,3	19,7	20,5	20,6	21,3	21,5	20,7
P3	Unit consumption for water heating per inhabitant	toe/inhab	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1
P4	Specific electricity consumption per appliance									
	Refrigerators	0	411,8	404,5	397,4	389,8	381,7	373,4	373,4	373,4
	Freezers	0	440,4	433,9	427,3	420,3	413,2	405,7	405,7	405,7
	Washing machine	0	303,2	300,1	297,1	294,2	290,4	286,1	286,1	286,1

	Dish washers		0	209,6	207,6	205,9	204,2	202,6	201,0	201,0	201,0
	TV		kWh/year	197,4	197,4	186,0	186,0	183,4	180,8	178,2	175,6
	Clothes Dryers		0	490,7	489,4	488,7	487,8	486,8	485,9	NA	NA
P5	Electricity consumption for lighting per dwelling		kWh/dw	410,3	403,7	396,1	353,0	342,8	314,6	309,5	303,0

Data	Source	Unit	2007	2008	2009	2010	2011	2012	2013	2014
Population	INSEE	k	61795	62135	62466	62765	63070	63376	63698	63982
Final consumption of residential with climatic correction		ktoe	43879	42768	42249	41725	41929	41515	40644	40206
Final consumption of residential	CEREN	ktoe	41408	42358	42351	46011	37669	41541	42967	35672
Electricity consumption of residential	CEREN	ktoe	12316	12824	12929	13434	12501	13038	13262	12148
Final consumption of residential for space heating	CEREN	ktoe	28460	29250	29320	32710	24590	28340	29820	22820
Electricity consumption of residential for space heating	CEREN	ktoe	3420	3680	3680	4000	2950	3270	3380	2530
Final consumption of households for water heating	CEREN	ktoe	4190	4190	4200	4240	4270	4280	4240	4180
Final consumption of residential for cooking	CEREN	ktoe	2420	2380	2350	2340	2290	2230	2160	2110
Electricity consumption for lighting	CEREN	ktoe	957	951	942	847	830	768	761	n.a.
Electricity consumption for cooling	MEEDDL	ktoe	440	490	532	560	565	590	600	583
Stock of dwellings (permanently occupied)	SoeS	k	27124	27395	27654	27907	28152	28382	28598	28805
Floor area of dwellings (average)	CEREN	m2	91,5	91,5	91,4	91,4	91,4	91,3	91,3	91,3
Stock of refrigerator	INSEE/GIFAM	k	26419	26683	26929	27187	27396	27659	27913	28162
Stock of freezers	INSEE/GIFAM	k	22554	23100	23637	24177	24678	25029	25398	25766
Stock of washing machine	INSEE/GIFAM	k	24857	25266	25661	25907	26106	26413	26739	27063
Stock of dish washers	INSEE/GIFAM	k	12653	13208	13761	14316	14851	15375	15917	16463
Stock of TV	INSEE/GIFAM	k	40707	41173	41575	41974	42296	42666	43061	43448
Stock of dryers	INSEE/GIFAM	k	7720	7945	8244	8499	8839	9144	9459	9792
Heating Degree-days	SOeS	degree	1793	1939	1977	2296	1645	1972	2155	1603
Heating Degree-days of reference	SOeS	degree	1966	1966	1966	1966	1966	1966	1966	1966
Cooling Degree days										
Cooling Degree days of reference										
Specific consumption of refrigerators	modelling	kWh/year	412	404	397	390	382	373	366	358
Specific consumption of freezers	modelling	kWh/year	440	434	427	420	413	406	398	391
Specific consumption of washing machines	modelling	kWh/year	303	300	297	294	290	286	283	280
Specific consumption of dish washers	modelling	kWh/year	210	208	206	204	203	201	199	197
Specific consumption of TV	modelling	kWh/year	197	197	197	197	197	197	197	197
Specific consumption of dryers	modelling	kWh/year	491	489	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

SERVICES

CODE ESD	Savings	Units	2008	2009	2010	2011	2012	2013	2014
M3	Non electric consumption	ktoe	78	106	181	47	157	232	96
M4	Consumption of electricity	ktoe	-26	-31	-64	-7	-36	-38	7
	Total 1 with minimum indicators	ktoe	78	106	181	47	157	232	104
		GWh	912	1229	2102	544	1820	2696	1205
P6	Non electricity uses by sub sector								
	Hotel, restaurants	ktoe	77	76	180	48	163	221	79
	Health and social action	ktoe	101	203	421	8	322	454	92
	Education, research	ktoe	50	47	105	-26	83	116	89
	Administrations	ktoe	6	17	59	28	156	194	236
	Trade (wholesale and retail)	ktoe	78	121	212	3	209	285	141

	Sub-total 2a with preferred indicators (non electricity)		ktoe		311	463	977	87	933	1270	636
			GWh		3621	5385	11359	1014	10843	14770	7397
P7	Electricity uses by sub sector										
	Hotel, restaurants		ktoe		-27	-51	-65	-6	-31	-45	-5
	Health and social action		ktoe		-32	-49	-88	-40	-77	-95	-56
	Education, research		ktoe		-13	-17	-34	-14	-105	-120	-84
	Administrations		ktoe		-111	-247	-400	-219	-340	-456	-288
	Trade (wholesale and retail)		ktoe		-51	-81	-171	-90	-140	-205	-119
	Sub-total 2b with preferred indicators (electricity)		ktoe		0	0	0	0	0	0	0
			GWh		0	0	0	0	0	0	0
	Total 2 with preferred indicators		ktoe		311	463	977	87	933	1270	636
			GWh		3621	5385	11359	1014	10843	14770	7397

CODE ESD	Energy efficiency indicators	Units	2007	2008	2009	2010	2011	2012	2013	2014
M3	Non electric consumption per employee (climate adjusted)	toe/emp	0,39	0,37	0,36	0,34	0,38	0,34	0,32	0,36
M4	Total unit consumption of electricity per employee	kWh/emp	3105	3198	3212	3325	3128	3225	3229	3080
P6	Non electricity consumption of sub sector per employee (climate adjusted)									
	Hotel, restaurants	toe/emp	1,34	1,26	1,26	1,16	1,30	1,18	1,12	1,27
	Health and social action	toe/emp	0,77	0,74	0,71	0,65	0,77	0,68	0,64	0,74
	Education, research	toe/emp	0,84	0,82	0,82	0,79	0,85	0,80	0,78	0,80
	offices (public & private)	toe/emp	0,25	0,25	0,25	0,25	0,25	0,24	0,23	0,23
	Trade (wholesale and retail)	toe/emp	0,64	0,62	0,61	0,58	0,64	0,58	0,56	0,60
P7	Total electricity consumption of sub sector per employee									
	Hotel, restaurants	kWh/emp	10732	11068	11365	11505	10799	11097	11251	10786
	Health and social action	kWh/emp	3493	3606	3665	3796	3628	3752	3808	3679
	Education, research	kWh/emp	2351	2421	2440	2530	2426	2914	2993	2797
	offices (public & private)	kWh/emp	3854	4014	4220	4445	4172	4346	4510	4266
	Trade (wholesale and retail)	kWh/emp	8114	8290	8394	8707	8427	8595	8824	8528

Data	Source	Units	2007	2008	2009	2010	2011	2012	2013	2014
Heating Degree-days	SOeS	degree	1793	1939	1977	2296	1645	1972	2155	1603
Heating Degree-days of reference	SOeS	degree	1966	1966	1966	1966	1966	1966	1966	1966

Final consumption of tertiary (climate adjusted)	CEREN	ktoe	19092	19342	19374	19603	19482	19631	19573	19225
Electricity consumption of tertiary in GWh	CEREN	GWh	94622	98049	99837	104371	100125	104640	107597	103261
Electricity consumption of tertiary	CEREN	ktoe	8136	8431	8586	8974	8616	9030	9253	8880
Final consumption of hotels, restaurants	CEREN	ktoe	2020	2087	2127	2290	2000	2148	2213	1979
Electricity consumption of hotels, restaurants	CEREN	ktoe	867	904	924	966	923	958	973	936
Final consumption of health and social action sector	CEREN	ktoe	3256	3414	3440	3648	3273	3456	3606	3262
Electricity consumption of health and social action sector	CEREN	ktoe	976	1019	1054	1103	1070	1114	1147	1118
Final consumption of education, research	CEREN	ktoe	2119	2230	2283	2526	2007	2283	2438	1962
Electricity consumption of education, research	CEREN	ktoe	443	459	465	482	455	544	562	530
Final consumption of administrations										
Electricity consumption of administrations										
Final consumption of trade (wholesale and retail)	CEREN	ktoe	4294	4455	4463	4788	4228	4459	4586	4090
Electricity consumption of trade (wholesale and retail)	CEREN	ktoe	2335	2401	2420	2516	2430	2495	2542	2454
Final consumption of offices (private and public)	CEREN	ktoe	4547	4809	4846	5285	4558	4905	5172	4479
Electricity consumption of offices (private and public)	CEREN	ktoe	2674	2787	2851	3011	2875	3007	3132	2983
			2007	2008	2009	2010	2011	2012	2013	2014
Floor area of tertiary	CEREN	Mm2	891	903	912	922	931	938	948	957
Employment of tertiary	ODYSSEE 2014	k	19569	19681	19485	19588	19766	19833	19907	20020

Employment of hotels, restaurants sector	INSEE	k	940	949	946	976	994	1003	1006	1010
Employment of health sector	INSEE	k	3248	3285	3345	3378	3430	3452	3504	3535
Employment education sector	INSEE	k	2193	2203	2215	2215	2183	2169	2182	2204
Employment of private & public offices	INSEE	k	8067	8074	7858	7879	8012	8045	8074	8132
Employment of trade sector	INSEE	k	3347	3367	3353	3361	3353	3376	3349	3346

INDUSTRY

CODE ESD	Savings	Units	2008	2009	2010	2011	2012	2013	2014
P14	E12 – dairy industry	ktoe	72	116	91	97	114	192	239
P14	E13 – sugar industry	ktoe	-24	-54	-83	-87	-61	-16	108
P14	E14 – food industries, excluding dairy and sugar industries	ktoe	296	234	242	536	542	853	760
P14	E16 – steel industry	ktoe	-11	4	-4	2	-11	-9	7
P14	E18 – metallurgy (primary transformation of non-ferrous metals)	ktoe	-5	-16	-9	-20	-25	-15	-2
P14	E19 – production of various minerals	ktoe	1	0	2	2	0	2	3
P14	E20 – manufacture of plaster, gypsum products, lime and cement	ktoe	13	0	5	23	16	30	14
P14	E21 - production of other construction and ceramic	ktoe	7	-3	30	72	40	225	186
P14	E22 – glass industry	ktoe	0	-14	-2	1	-2	0	3
P14	E23 – manufacture of fertilisers	ktoe	-5	-90	-61	-17	-16	-57	-33
P14	E24 – other mineral chemistry industries	ktoe	-19	157	163	165	63	-28	-252
P14	E25 – manufacture of plastics, synthetic rubber	ktoe	-250	-101	-85	-139	-67	-259	-287
P14	E26 – other basic organic chemistry industries	ktoe	-1	-40	-71	66	44	307	568
P14	E28 – parachemistry and pharmaceutical industry	ktoe	9	-5	16	24	22	33	46
P14	E29 – foundry operations and metalworking	ktoe	-33	-38	-50	-39	-35	-29	-43
P14	E30 – mechanical construction	ktoe	40	-4	28	85	69	-56	88
P14	E31 – electrical and electronic construction	ktoe	-64	-79	-56	-21	-26	3	5
P14	E32 – construction of motor vehicles and other transport equipment	ktoe	-21	-133	-107	5	-28	-61	33
P14	E33 – naval and aeronautical construction, armaments	ktoe	-5	3	11	46	47	79	77
P14	E34 – textile, leather and clothing industry	ktoe	-21	-38	0	24	56	33	60
P14	E35 – paper and board industry	ktoe	18	7	33	7	1	-34	-48
P14	E36 – rubber industry	ktoe	-9	-33	-26	0	4	14	14
P14	E37 - transformation of plastics	ktoe	-3	-5	53	79	70	98	99
P14	E38 – sundry industries	ktoe	-27	-109	-30	142	133	59	129
	Total with preferred indicators	ktoe	458	521	672	1376	1221	1928	2439

CODE ESD	Indicators (energy consumption per unit of production)	Units	2007	2008	2009	2010	2011	2012	2013	2014
P14	E12 – dairy industry	toe/index	0,99	0,90	0,84	0,88	0,87	0,85	0,76	0,71
P14	E13 – sugar industry	toe/index	0,66	0,69	0,72	0,76	0,76	0,74	0,68	0,52
P14	E14 – food industries, excluding dairy and sugar industries	toe/index	3,69	3,31	3,39	3,39	3,04	3,03	2,62	2,74
P14	E16 – steel industry	toe/index	5,00	5,10	4,96	5,05	4,98	5,12	5,09	4,94
P14	E18 – metallurgy (primary transformation of non-ferrous metals)	toe/index	0,85	0,88	1,01	0,94	1,06	1,12	1,01	0,87
P14	E19 – production of various minerals	toe/index	0,10	0,09	0,11	0,08	0,08	0,10	0,08	0,07
P14	E20 – manufacture of plaster, gypsum products, lime and cement	toe/index	2,11	2,00	2,12	2,07	1,90	1,96	1,81	1,96
P14	E21 - production of other construction and ceramic materials	toe/index	1,07	1,01	1,07	1,03	0,98	1,02	0,78	0,81
P14	E22 – glass industry	toe/index	1,22	1,22	1,37	1,24	1,20	1,24	1,21	1,18
P14	E23 – manufacture of fertilisers	toe/index	0,30	0,31	0,52	0,42	0,34	0,33	0,40	0,36
P14	E24 – other mineral chemistry industries	toe/index	1,28	1,31	0,94	0,95	0,97	1,15	1,33	1,74
P14	E25 – manufacture of plastics, synthetic rubber	toe/index	0,55	1,00	0,76	0,72	0,83	0,69	1,08	1,15
P14	E26 – other basic organic chemistry industries	toe/index	2,87	2,87	2,95	3,01	2,75	2,79	2,34	1,91
P14	E28 – parachemistry and pharmaceutical industry	toe/index	0,50	0,48	0,51	0,47	0,45	0,46	0,44	0,41

E12 – dairy industry	INSEE/SoeS	2010=100	99,9	101,1	97,7	100	100,9	101,3	103,9	106,2
E13 – sugar industry	INSEE/SoeS	2010=100	125,2	102,4	103,9	100	105,7	101,5	99,2	95,1
E14 – food industries, excluding dairy and sugar industries	INSEE/SoeS	2010=100	99,8	99,0	97,4	100	103,4	103,0	99,5	99,9
E16 – steel industry	INSEE/SoeS	2010=100	120,6	112,6	83,7	100	100,1	93,8	97,2	104,1
E18 – metallurgy (primary transformation of non-ferrous	INSEE/SoeS	2010=100	137,6	124,7	95,3	100	95,5	90,9	88,8	89,7
E19 – production of various minerals	INSEE/SoeS	2010=100	116,3	111,4	90,9	100	100,4	84,4	77,0	75,5
E20 – manufacture of plaster, gypsum products, lime and	I	2010=100	119,0	117,1	101,8	100	107,1	100,5	97,3	91,0
E21 - production of other construction and ceramic	INSEE/SoeS	2010=100	126,3	121,8	98,5	100	108,8	98,7	97,7	94,0
E22 – glass industry	INSEE/SoeS	2010=100	116,8	108,8	93,1	100	106,7	96,9	95,6	94,8
E23 – manufacture of fertilisers	INSEE/SoeS	2010=100	131,5	122,7	81,1	100	104,4	124,8	117,4	114,2
E24 – other mineral chemistry industries	INSEE/SoeS	2010=100	119,2	113,6	94,5	100	106,5	98,8	103,5	108,8
E25 – manufacture of plastics, synthetic rubber	INSEE/SoeS	2010=100	116,0	110,9	97,5	100	99,8	99,5	97,9	96,6
E26 – other basic organic chemistry industries	INSEE/SoeS	2010=100	104,3	104,6	100,9	100	115,1	111,1	115,7	119,0
E28 – parachemistry and pharmaceutical industry	INSEE/SoeS	2010=100	102,9	100,6	94,5	100	97,9	100,6	101,5	100,3
E29 – foundry operations and metalworking	INSEE/SoeS	2010=100	134,4	127,7	94,3	100	106,8	100,7	96,0	94,3
E30 – mechanical construction	INSEE/SoeS	2010=100	126,1	127,0	91,7	100	106,1	104,2	103,2	101,8
E31 – electrical and electronic construction	INSEE/SoeS	2010=100	112,5	111,6	93,4	100	101,1	94,0	95,6	93,5
E32 – construction of motor vehicles and other transport	INSEE/SoeS	2010=100	130,2	117,9	89,3	100	103,7	95,5	86,1	91,7
E33 – naval and aeronautical construction, armaments	INSEE/SoeS	2010=100	101,0	97,6	94,7	100	102,2	104,8	114,5	114,5
E34 – textile, leather and clothing industry	INSEE/SoeS	2010=100	143,2	121,7	97,1	100	101,1	101,5	94,1	96,2
E35 – paper and board industry	INSEE/SoeS	2010=100	113,1	107,1	97,2	100	95,5	89,4	86,8	83,4
E36 – rubber industry	INSEE/SoeS	2010=100	141,9	125,3	92,4	100	106,6	100,2	93,7	87,9
E37 - transformation of plastics	INSEE/SoeS	2010=100	110,9	104,6	93,8	100	103,1	97,2	96,7	98,3
E38 – sundry industries	INSEE/SoeS	2010=100	115,9	113,3	102,6	100	104,7	104,7	102,5	104,1

	Units	2008	2009	2010	2011	2012	2013	2014
Total energy Savings (sum of sectors)	ktoe	3865	4735	6725	6969	9107	11842	12325
	GWh	44944	55059	78194	81037	105898	137701	143311