

Les Bilans Energétiques du Liban 2009

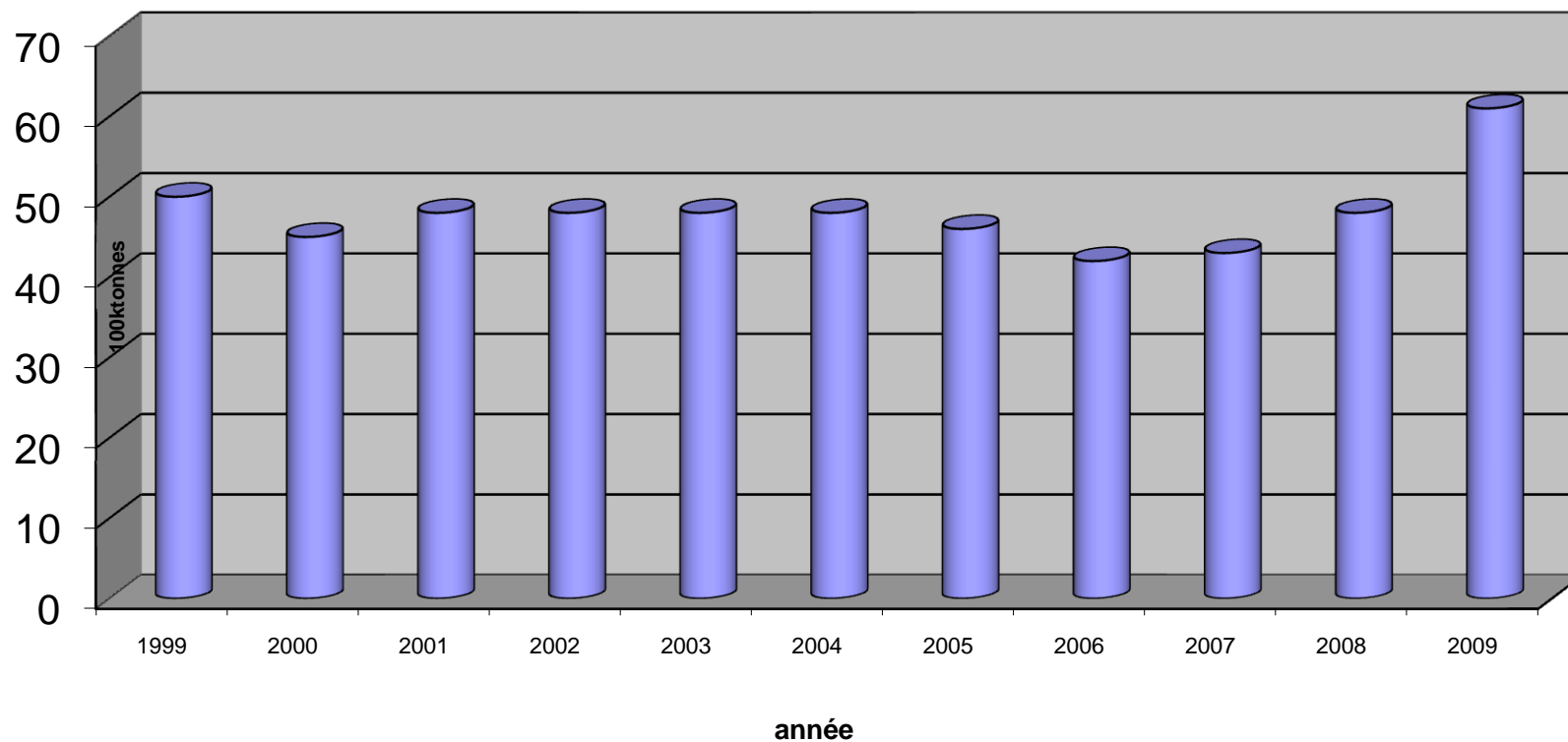


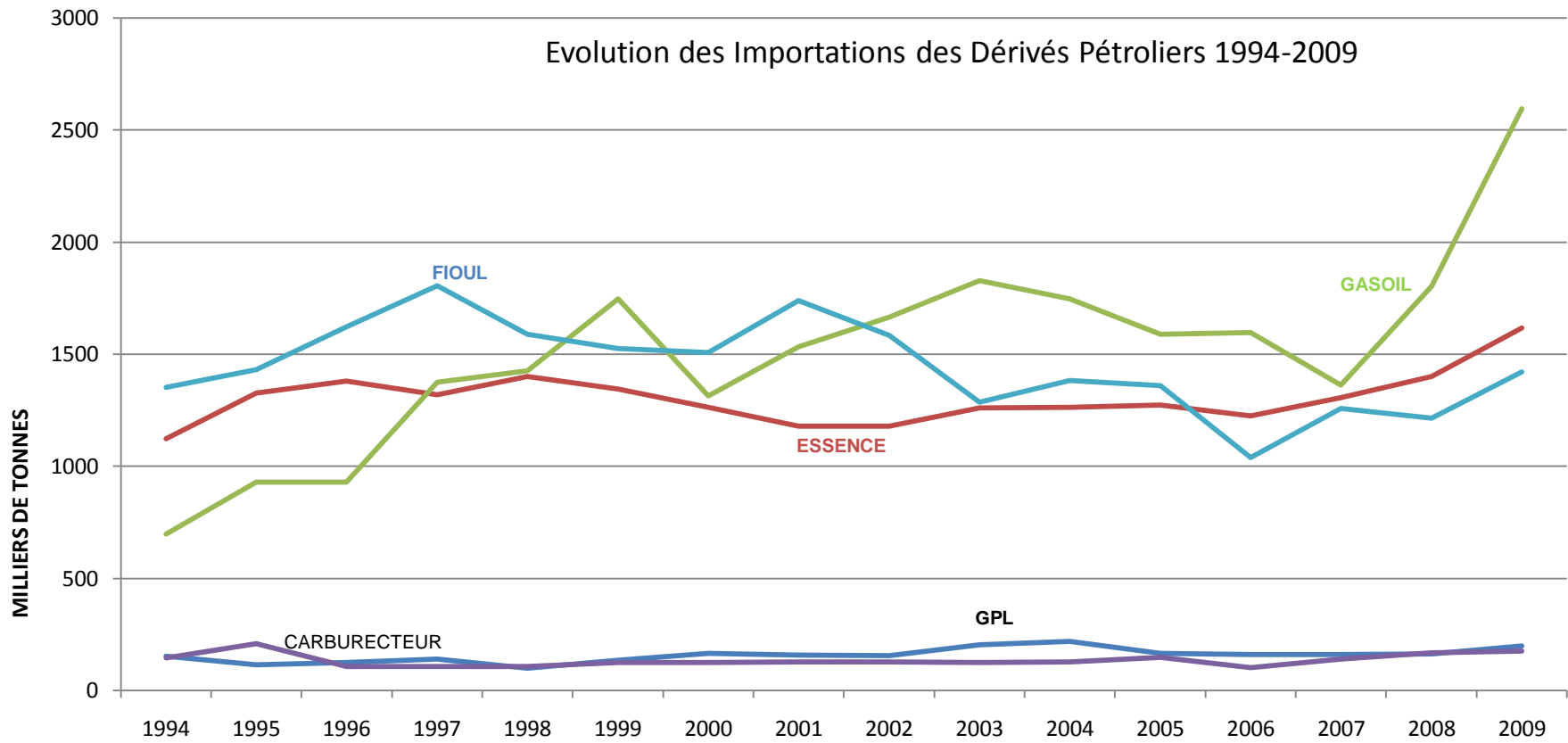
LES IMPORTATIONS DES DERIVES PETROLIERS 1998-2009

PRODUIT	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
GPL	99 769	135 269	165 120	157 733	154 825	205 148	220 231	166 133	161 117	160 627	163 183	199144
ESSENCE	1 411 756	1 344 096	1 263 757	1 178 800	1 180 374	1 260 417	1 263 245	1 273 104	1 224 606	1 306 816	1 401 172	1 617 671
GASOIL												
EDL	543 275	881 116	532 805	573 072	754 411	825 984	842 354		1 057 0704	848 859	1 259 555	1 132 724
MARCHE	88 1343	866 970	782 840	960 211	910 404	1 003 193	904 492		538 575	514 830	543 185	1 462 633
TOTAL	1 424 618	1 748 086	1 315 645	1 533 283	1 664 815	1 829177	1 746 846	1 587 669	1 596 279	1 363 190	1 802 740	2 595 357
CARBUREACTEUR	106 881	126 166	124 511	128 196	126 825	124 502	126 679	146 578	103 355	139 726	166 685	174 565
FIOUL OIL EDL	1 439 732	1 217 219	1 294 362	1 355 081	191 307	963 130	961 512		956 609	1 071 200	1 076 521	1 227 690
MARCHE	148 548	307 859	213 468	383 758	1 392 134	321 816	421 094		83 108	187 500	137 000	194 772
TOTAL	1 588 380	1 525 078	1 507 830	1 738 849	1 583 441	1 284 946	1 382 606	1 360 177	1 039 717	1 258 700	1 213 521	1 422 462
APP	109 535	113 665	94 881	108 614	112 411	84 047	81 475	59 886	43 857	72 782	73 919	88 300
TOTAL	4 740 939	4 992 360	4 471 744	4 845 475	4 822 691	4 788 237	4 821 082	4 593 547	4 168 931	4 301 281	4 821 220	6 097 498

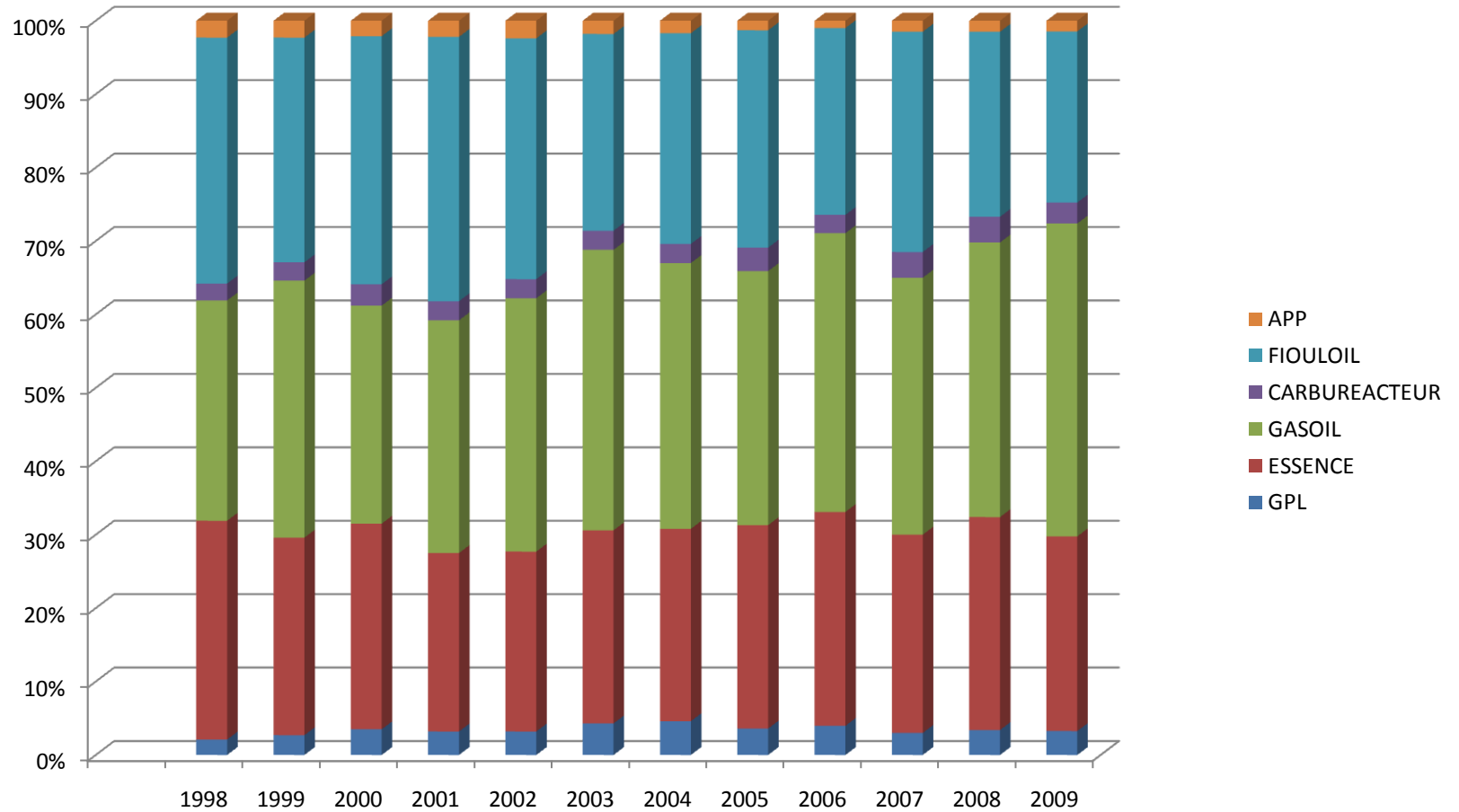
ALMEE

Evolution des Importations des Produits Pétroliers 1999-2009

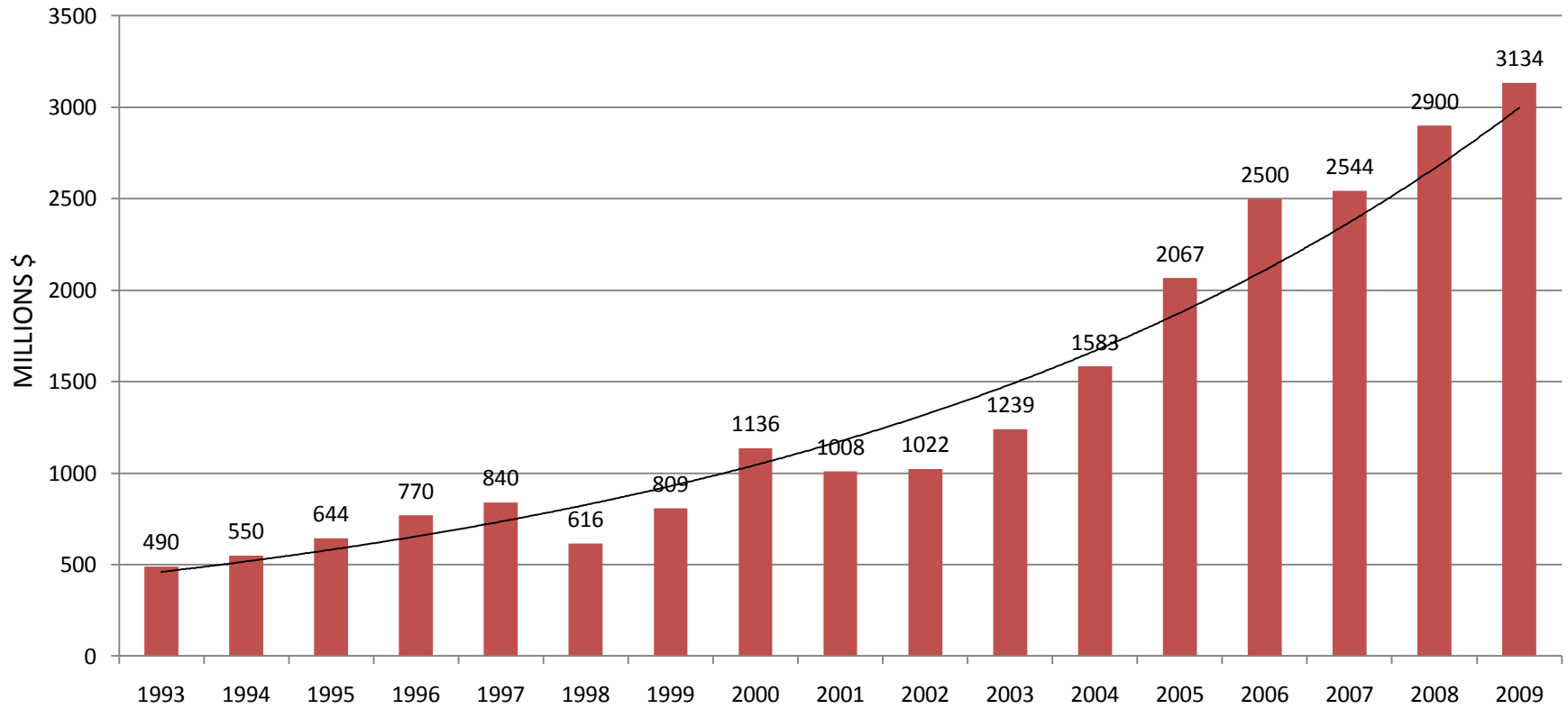




Pourcentage des Importations des Produits Pétroliers 1998-2009

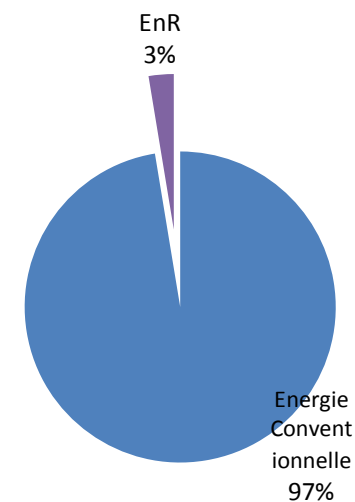


EVOLUTION DE LA FACTURE ENERGETIQUE 1993-2009

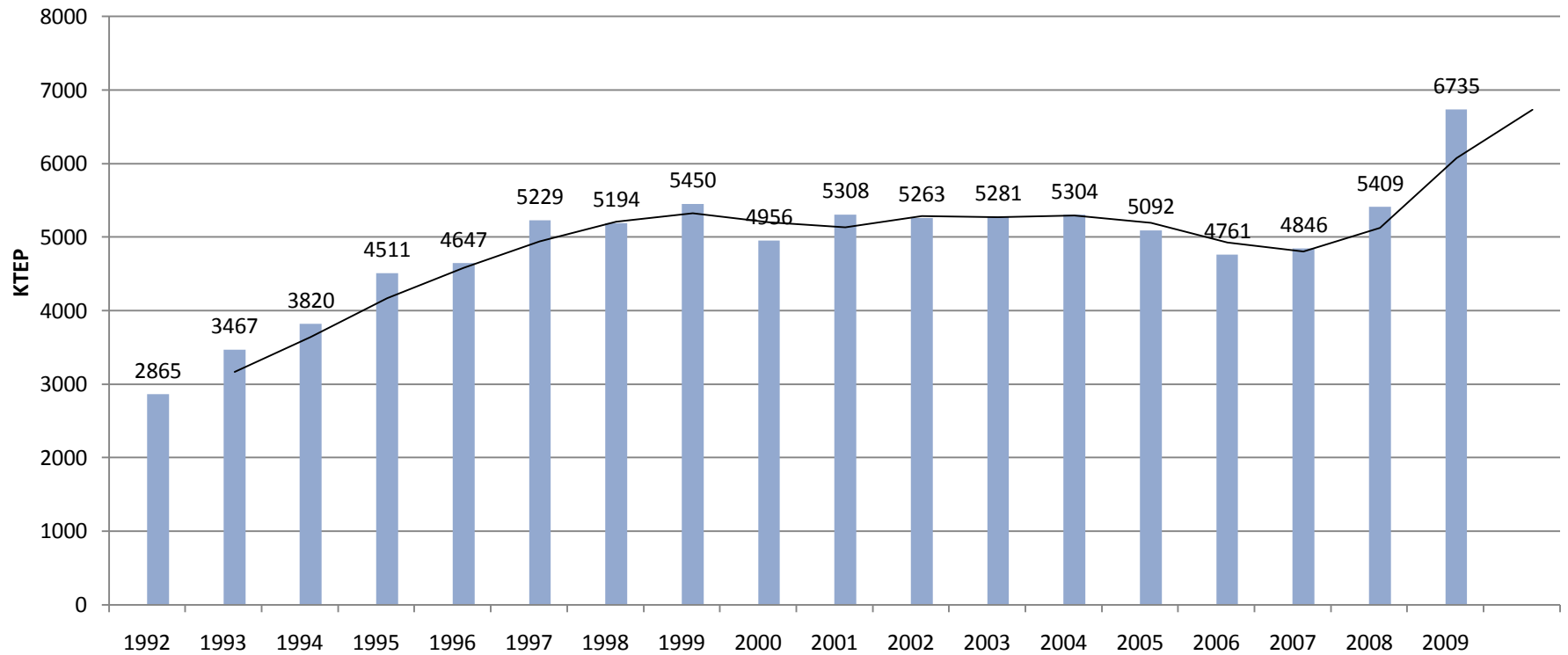


APPROVISIONNEMENT TOTAL EN ENERGIE PRIMAIRE ATEP (KTEP) - 2009

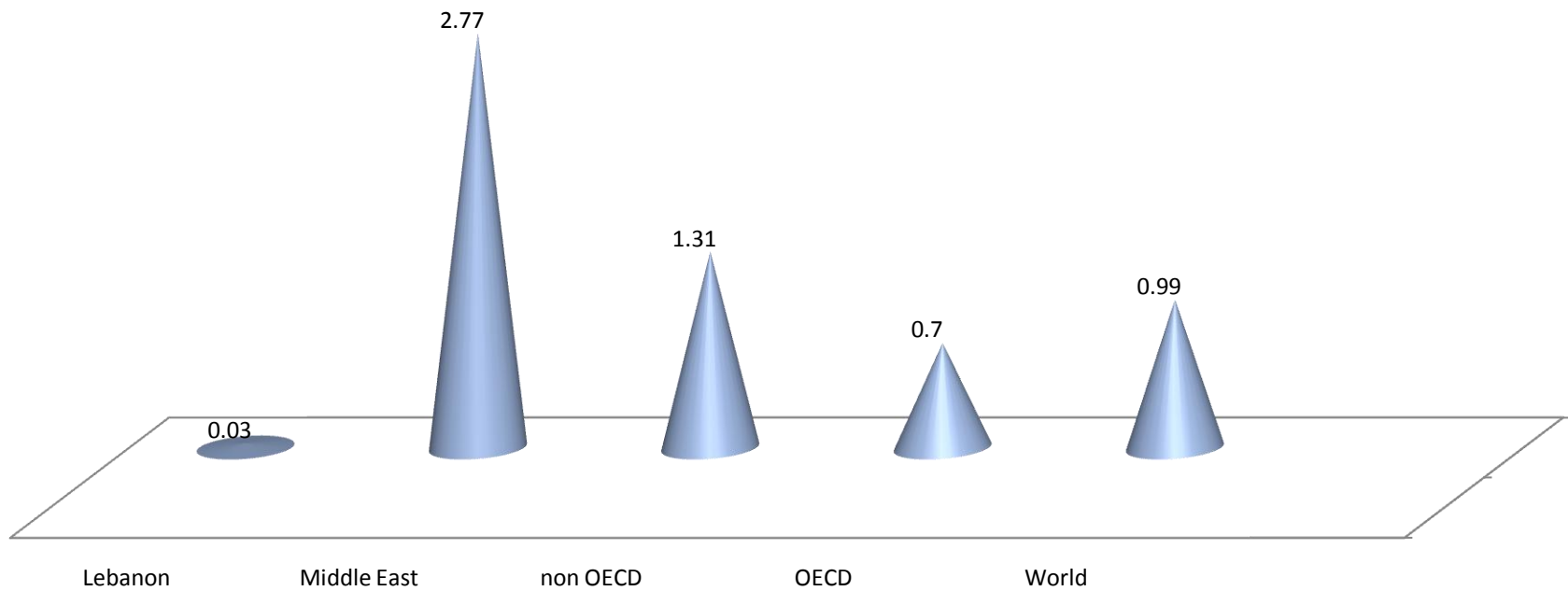
1- PRODUCTION			KTEP	%
1-1	HYDROENERGIE	622 GWH	54	0.8
1-2	ENERGIE TRADITIONNELLE		120	1.8
TOTAL 1			174	2.6
2- IMPORTATIONS			KTEP	%
2-1	GPL	KTONNES 199	226	3.3
2-2	ESSENCE	" 1618	1730	25.7
2-3	GASOIL	" 2595	2802	41.6
2-4	KEROSENE	" 1	1	-
2-5	FIOWL OIL	" 1422	1366	20.3
2-6	CARBUREACTEUR	" 125	123	1.8
2-7	ELECTRICITE	GWH 1155	102	1.5
2-8	CHARBON	KTONNES 200	132	2.1
2-9	A.P.P.	" 88	79	1.1
TOTAL 2			6561	97.4
3- EXPORTATION			-	-
4- VARIATION DE STOCK			-	-
5- TOTAL			6735	100



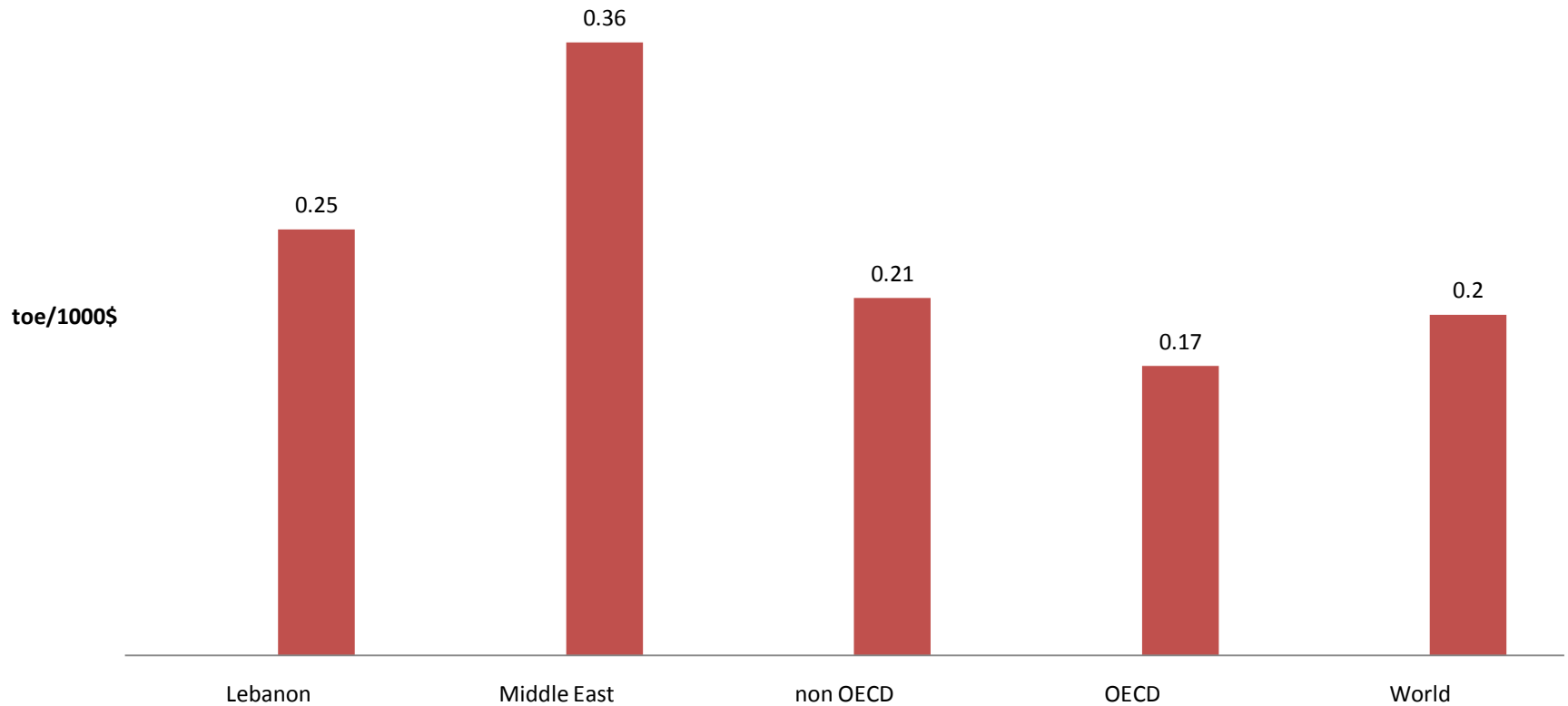
Evolution Approvisionnement Total en Energie Primaire (ATEP) 1992-2009



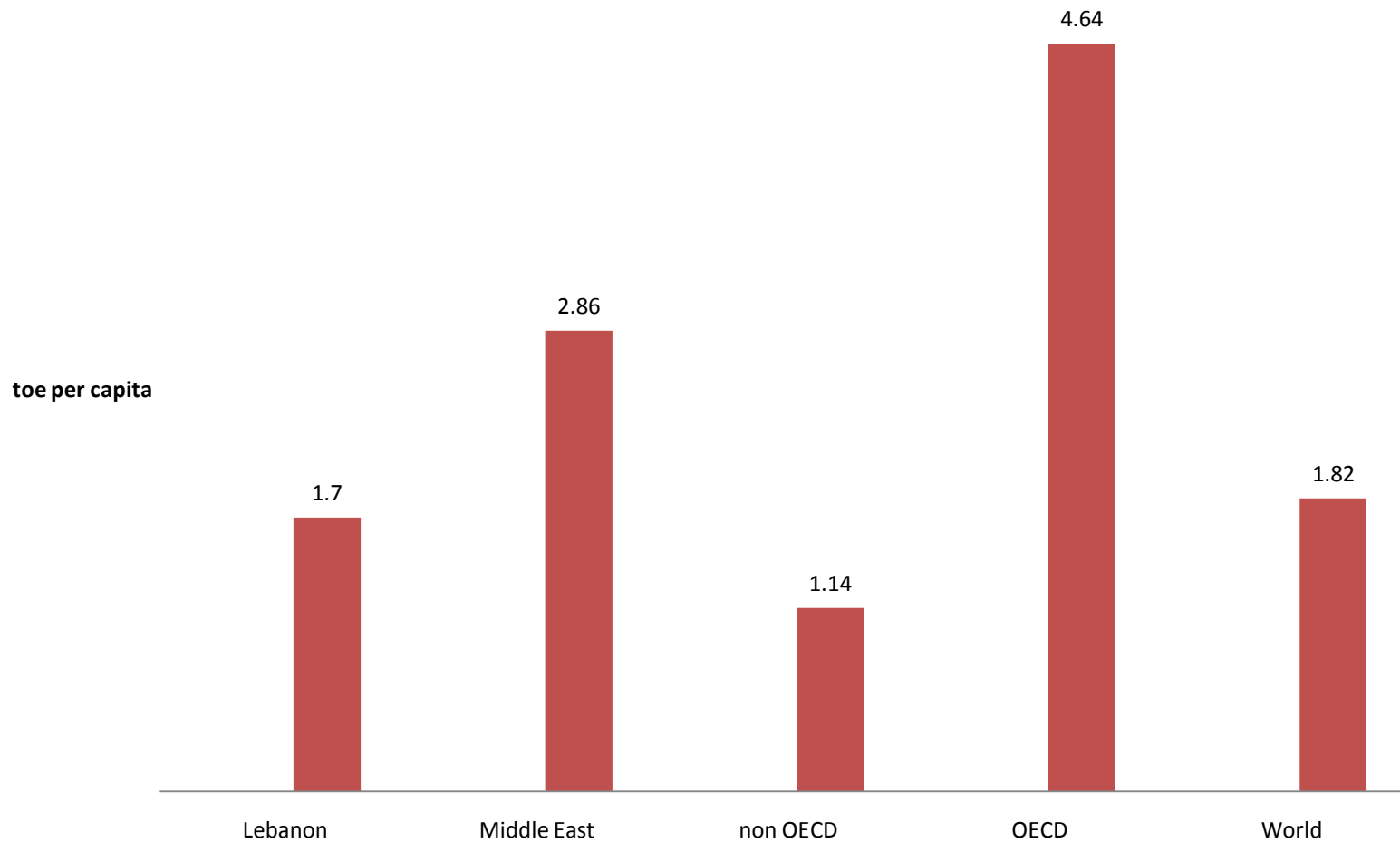
Energy production/TPES (self-sufficiency)



TPES/GDP ppp (energy Intensity) ATEP/PIB(Intensité Energétique)

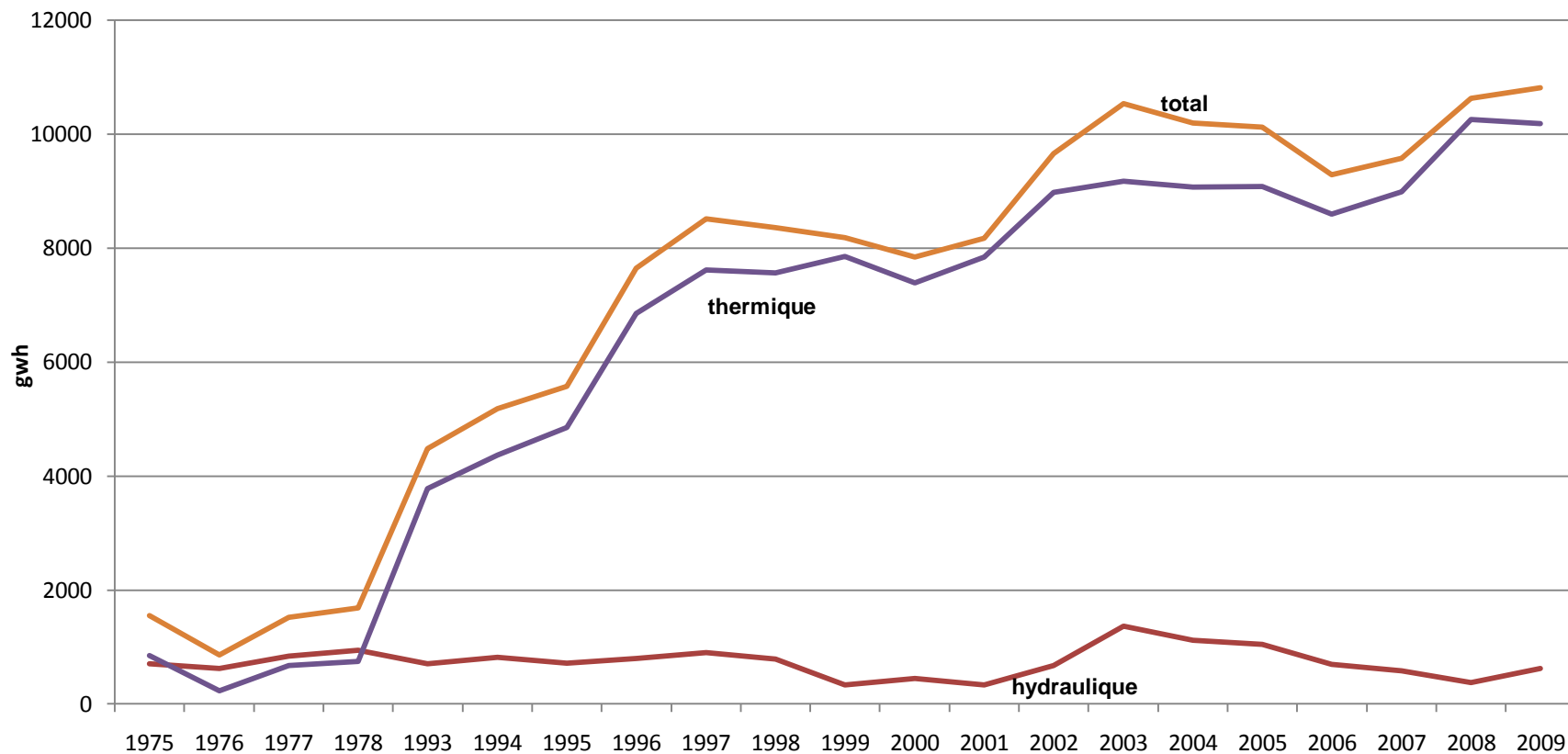


TPES/population

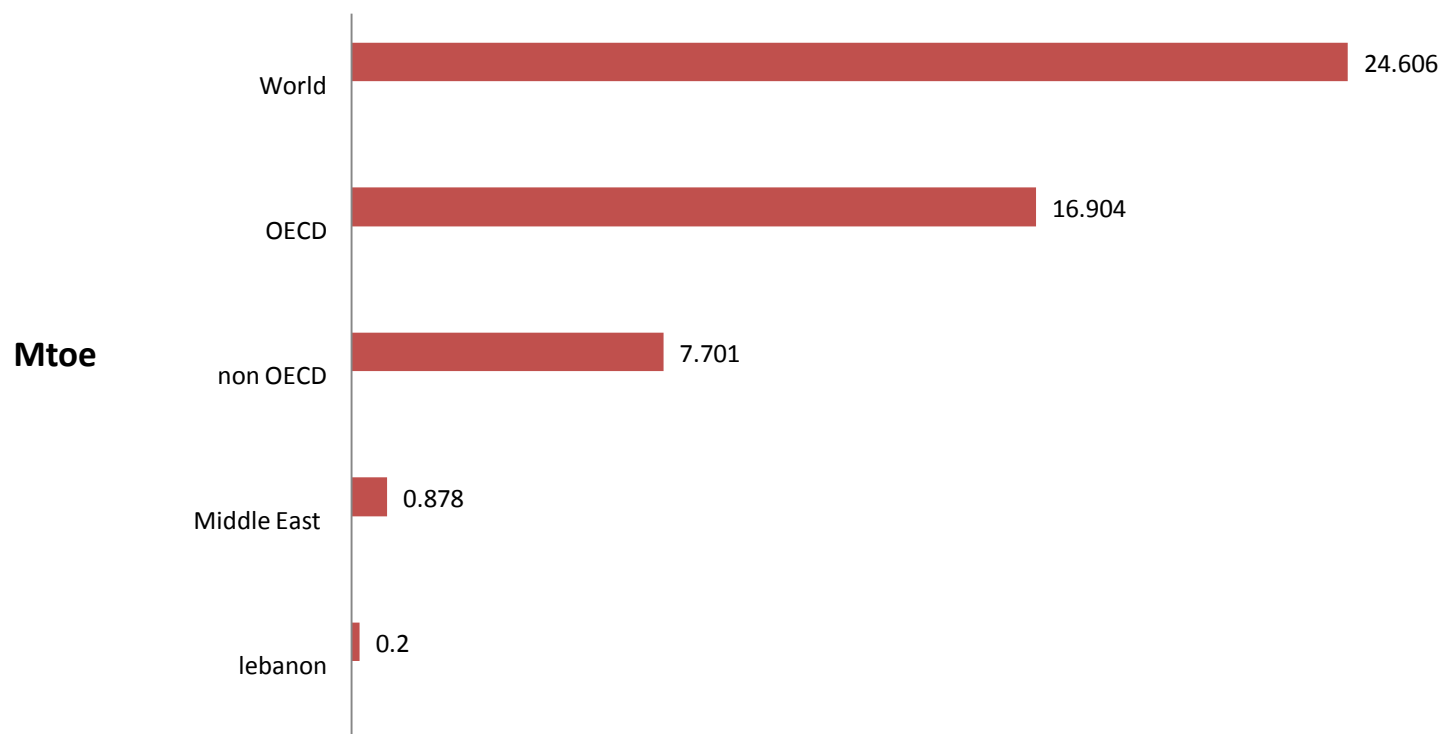


CENTRALES HYDRAULIQUES EXISTANTES AU LIBAN						
NOM	PROPRIETAIRE	PUISSANCE (MW)				
SAFAVRICHMAYA	EDL (ETABLISSEMENT PUBLIC)	13				
ABDEL AL	OFFICE DE LITANI (ETABLISSEMENT PUBLIC)	34				
ARKACHE	"	108				
HELOU	"	48				
NAHR IBRAHIM	PRIVE	33				
BARED	PRIVE	17				
ABOU ALI	KADISHA (COMPAGNIE PROPRIETE DE L'EDL)	7.4				
BLAOUZA	"	8.4				
MAR LICHAA	"	3.1				
BCHARRE	"	1.6				
	TOTAL HYDRAULIQUE	273.5				
CENTRALES THERMIQUES EXISTANTES AU LIBAN						
NOM	TYPE	COMBUSTIBLE	PROPRIETAIRE	PUISSANCE (MW)		
ZOUK	TURBINE A VAPEUR	FUEL OIL LOURD	EDL	145X3		
ZOUK	TURBINE A VAPEUR	DIESEL OIL	EDL	175		
JIEH	TURBINE A VAPEUR	FUEL OIL LOURD	EDL	18		
HREYCHE	TURBINE A VAPEUR	FUEL OIL LOURD	KADISHA (APPARTENANT EDL)	62X2		
BAALBECK	TURBINE A GAZ	DIESEL OIL	EDL	69X3		
SOUR	TURBINE A GAZ	DIESEL OIL	EDL	65		
ZAHRANI	C.C.	DIESEL OIL	EDL	35X2		
DEIR AMAR (BEDDAOUI)	C.C.	OU GAZ NATUREL	EDL	145X3		
	TOTAL THERMIQUE	OU GAZ NATUREL		2034		

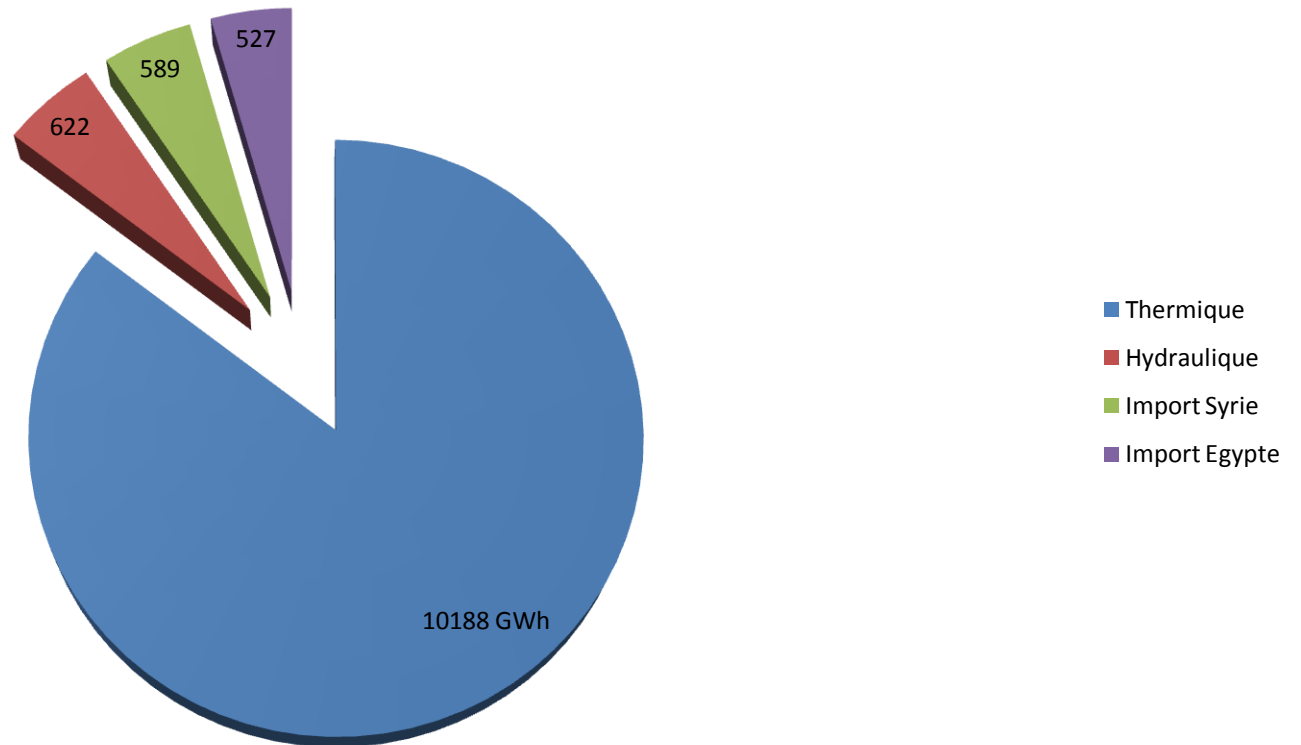
EVOLUTION DE LA PRODUCTION D'ELECTRICITE (distribuée par l'EDL hors Groupes Electrogènes)



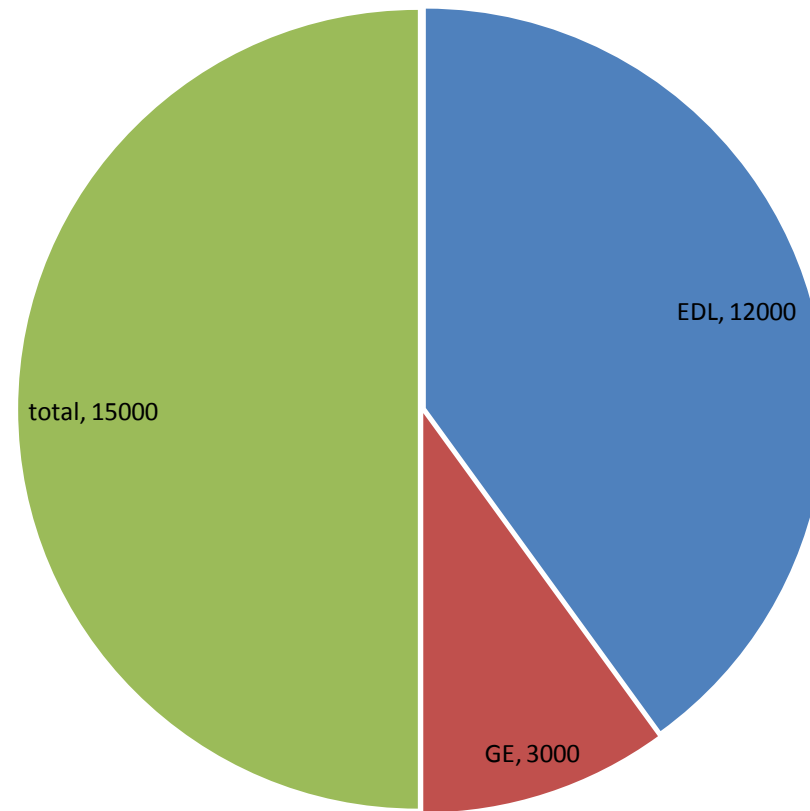
Production of Energy from Res(including Hydro)



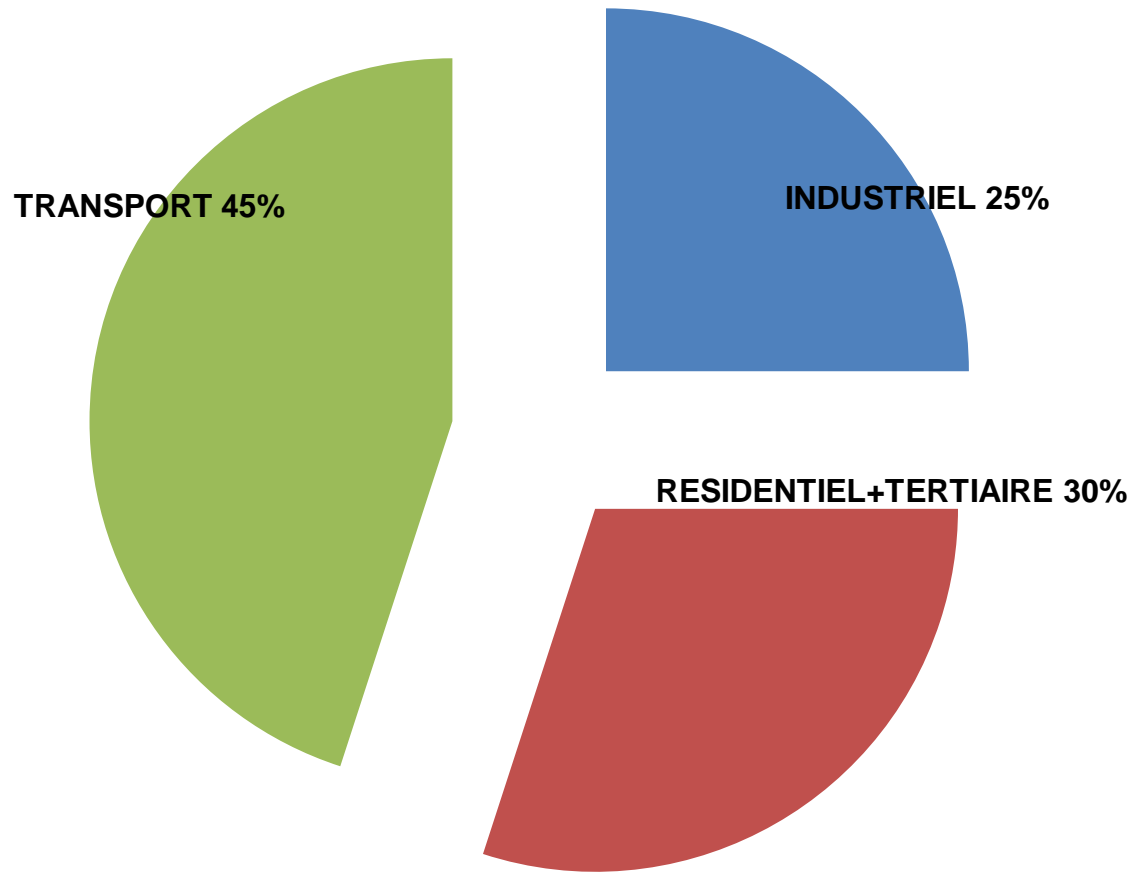
Répartition de l'Electricité distribuée par l'EDL(GWH)



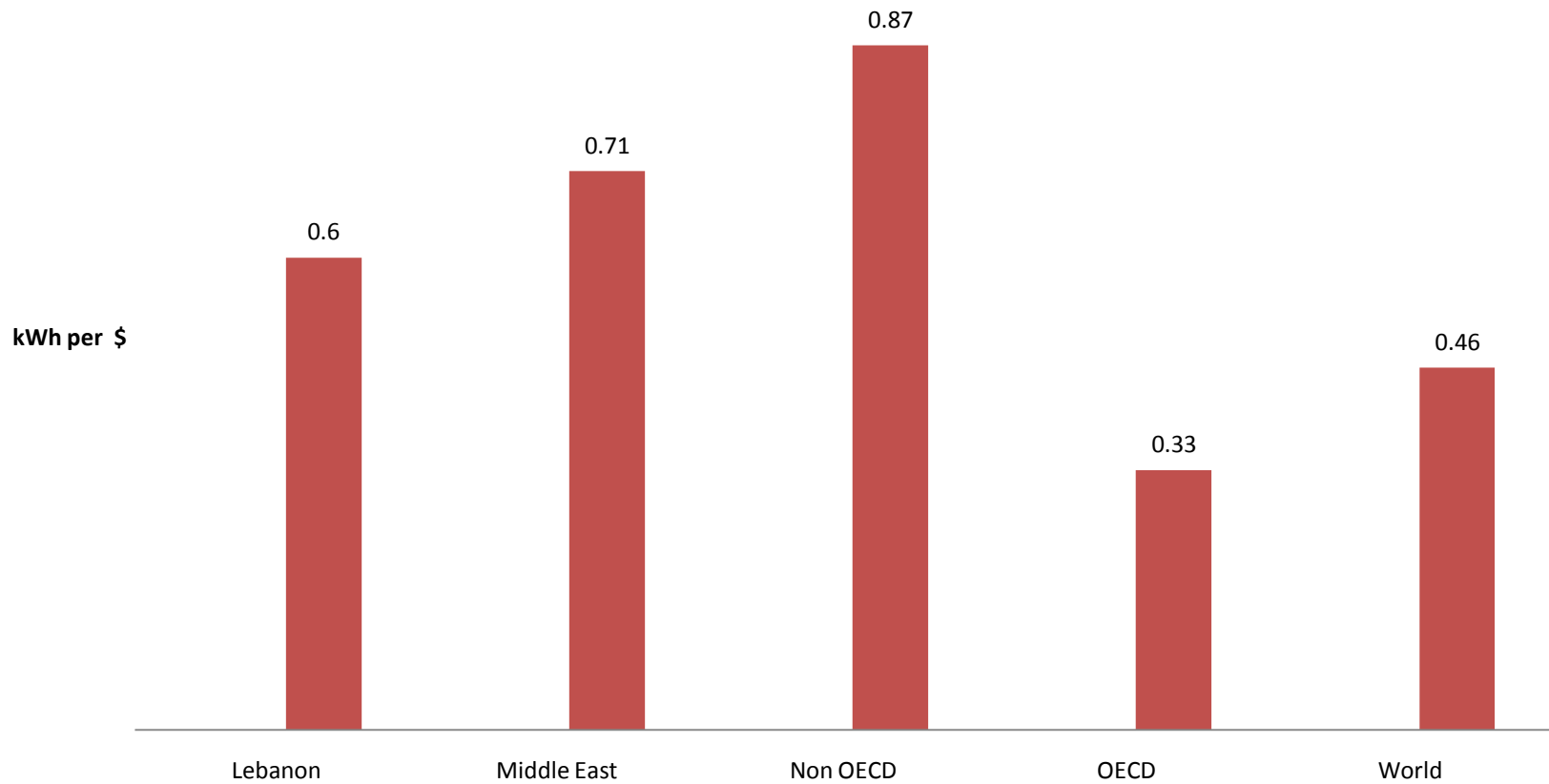
Consommation Totale Electricité GWH (EDL et Groupes Electrogènes privés) en 2009



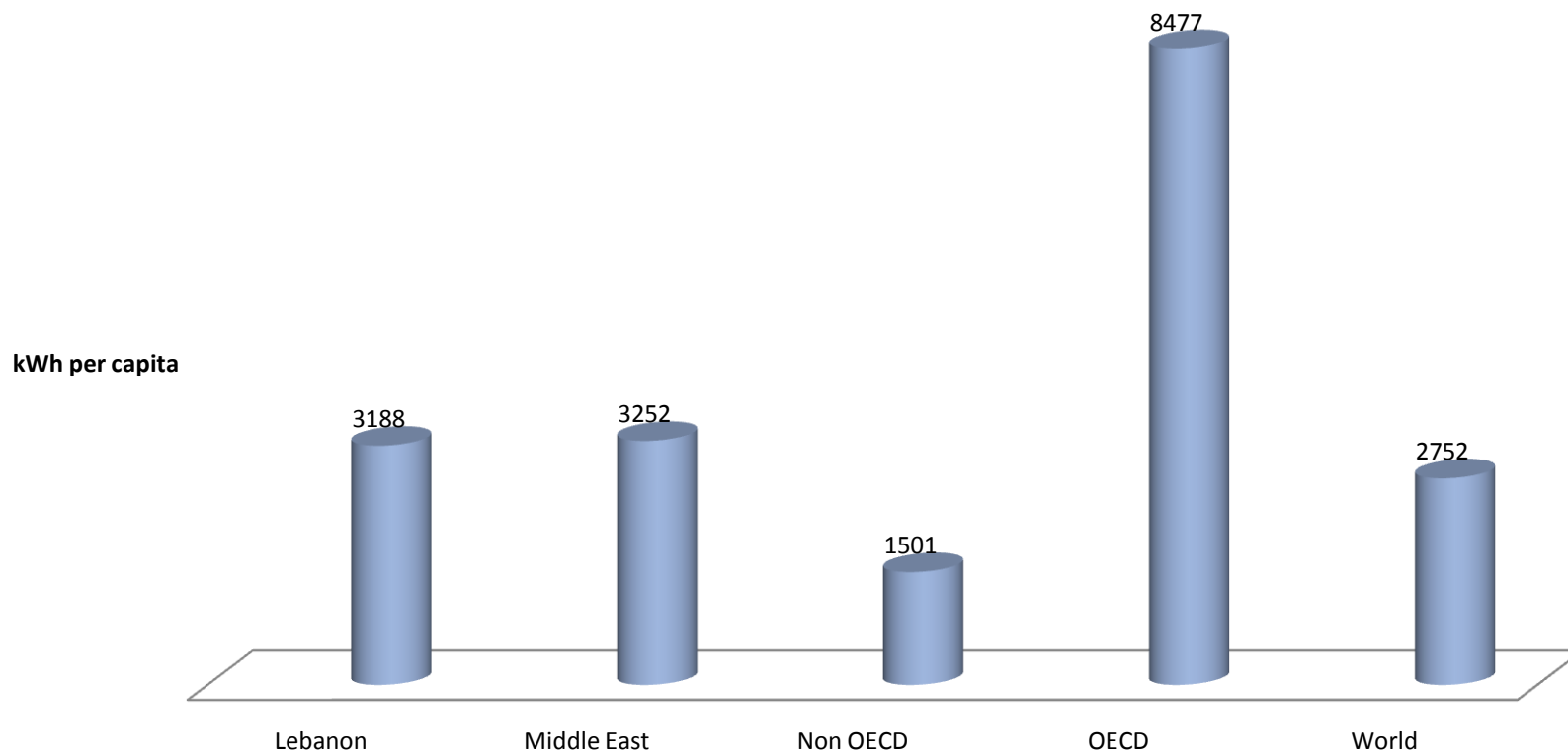
VENTILATION ENERGIE FINALE



Electricity consumption/GDP



Electricity consumption/population



Co2 Emissions /population

