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Annex to the

**REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE
COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE
COMMITTEE OF THE REGIONS**

**ON THE IMPLEMENTATION OF THE TRANS-EUROPEAN ENERGY
NETWORKS PROGRAMME IN THE PERIOD 2002-2006**

ANNEX

This annex is devoted to the presentation of the progress made in the implementation of electricity and gas connections in the period 2002-2006. Projects of common interest and priority projects finalised in the years 2002 to 2006 are listed in Tables 1 to 5. A total of 80 projects have been finalised in the period 2002-2006, of which 57 in the electricity sector and 23 in the gas sector. Out of the 80 projects completed in the survey period, 17 have been co-financed under the TEN-E budget (between 1995 and 2006).

Further details on the implementation of the projects of common interest and priority projects in the whole period 2002-2006 are presented in the Communication on the implementation of the guidelines for trans-European energy networks in the period 2002-2004¹ and the study "Implementation of TEN-E projects (2004-2006), Evaluation and Analysis" performed by an independent consultant and published in November 2007².

¹ COM(2006) 443 (SEC(2006) 1059)

² The final report is available on http://ec.europa.eu/ten/energy/studies/index_en.htm

Table 1 – Projects of common interest and priority projects (as defined in Annexes I and III of the 2003 guidelines) finalised in 2002

Ref. Old guidelines	Ref. 2003 guidelines Annex III	Priority/Axis (2003 guidelines)	Country A	Country B	Projects of common interest/priority projects (2003 guidelines)	Proposals Number	TEN-E funding (€)	EIB Loans (K€)	Estimated total cost (M€)
ELECTRICITY NETWORKS									
a04	1.2		GR	IT	Reinforcement of the Ipiros (GR) - Puglia (IT) link	-	-		340
b05	2.4	EL1	DE	FR	Vigy (FR) - Uchtelfangen (DE) line	E085/98	230.000		21
b06	2.5	EL2	FR	FR	La Praz (FR) phase transformer	E098/99	344.200		13
b07	2.8	EL3	ES	FR	New interconnection through the Pyrenees between France and Spain (Vic phase shifter)	-	-		N/A
b07	2.8	EL3	ES	FR	New interconnection through the Pyrenees between France and Spain (Hemani-Argia upgrade)	-	-		N/A
b07	2.8	EL3	ES	FR	New interconnection through the Pyrenees between France and Spain (Cantegrit-Mougerre (220kv)-(Arkale))	-	-		N/A
c06	3.20	EL3	ES	ES	New connections in the Galicia (ES) - Centro (ES) axis (Cartelle - In/Castrelo-Velle)	-	-		N/A
c06	3.21	EL3	ES	ES	New connections in the Centro (ES) - Aragon (ES) axis (Trillo-Magallón)	-	-		N/A
c06	3.23	EL9	ES	ES	New connections in Andalusia (ES) (Pinar-Estrecho II)	-	-		N/A
c10	3.41	EL3	ES	ES	Connections in the North-East and West of Spain, in particular to connect the network wind-power generation capacities (Magallón - In/ La Sema-Peñaflor)	-	-		N/A
c10	3.41	EL3	ES	ES	Connections in the North-East and West of Spain, in particular to connect the network wind-power generation capacities (Santurce-Zierbana)	-	-		N/A
a01	3.50	EL6	UK	UK	Connections in Scotland and England, with a view to the greater use of renewable sources in electricity generation (Island Magee-Coylton (MOYLE))	-	-		225
d08	4.7	EL4	GR	AL	Kardia (GR) - Elbasan (Albania) line	-	-		N/A

d15	4.21	EL7	SE	NO	New connections between North Sweden and North Norway (Järpströmmen-Nea)	-	-		1
-	4.27	EL4	BG	TR	Connections in the Black Sea Electricity Ring: Russia - Ukraine - Romania - Bulgaria - Turkey - Georgia (Maritsa East 3 – Hamitabat)	-	-		24
GAS NETWORKS									
e01	6.1		IE	UK	Developing gas network from Belfast towards North-West region of Northern Ireland (UK) and, if appropriate, to the western coast of Ireland (Pipeline to the western coast of Ireland)	-	-		383
f01	7.1		IE	UK	Additional gas interconnection pipeline between Ireland and Scotland	G001/95	150.000		292
e04	8.4	NG4	ES	ES	NG at Cartagena (ES), extending existing terminal (LNG terminal Cartagena II)	-	-		N/A
e04	9.6	NG2	ES	DZ	New gas pipelines from Algeria to Spain and France and related capacity increase of the internal networks in these countries (Network in Andalucia)	-	-		N/A

Table 2 – Projects of common interest and priority projects (as defined in Annexes I and III of the 2003 guidelines) finalised in 2003

Ref. Old guidelines	Ref. 2003 guidelines Annex III	Priority Axis (2003 guidelines)	Country A	Country B	Projects of common interest (2003 guidelines)	Proposals Number	TEN-E funding (€)	EIB Loans (K€)	Estimated total cost (M€)
ELECTRICITY NETWORKS									
-	3.8	EL2	IT	IT	S. Fiorano (IT) - Nave (IT)	-	-		100
c06	3.18	EL3	ES	ES	New connections in the North axis of Spain (Boimente - In/ Aluminio-Puentes I y II)	-	-		N/A
c06	3.19	EL3	ES	ES	New connections in the Mediterranean axis of Spain (La Eliana-La Plana II)	-	-		N/A
c06	3.19	EL3	ES	ES	New connections in the Mediterranean axis of Spain (Litoral-Rocamora II)	-	-		N/A
c07	3.32	EL3	PT	PT	Batalha (PT) - Rio Maior (PT) I and II lines (upgradings)	-	-		4
c09	3.39	EL6	IE	IE	Tynagh (IE) - Cashla (IE) line (Oldstreet-Cashla)	E069/97	685.000		33
c10	3.41	EL3	ES	ES	Connections in the North-East and West of Spain, in particular to connect the network wind-power generation capacities (Cartelle-Trives II)	-	-		N/A
c10	3.41	EL3	ES	ES	Connections in the North-East and West of Spain, in particular to connect the network wind-power generation capacities (Mesón-Cartelle II)	-	-		N/A
-	4.9	EL4	BH	BH	Mostar (Bosnia-Herzegovina) substation and connecting lines (Kakanj - Prijedor)	-	-		1
-	4.9	EL4	BH	BH	Mostar (Bosnia-Herzegovina) substation and connecting lines (Mostar - Gacko)	-	-		4
-	4.9	EL4	BH	BH	Mostar (Bosnia-Herzegovina) substation and connecting lines (Mostar - Sarajevo)	-	-		7
-	4.9	EL4	BH	BH	Mostar (Bosnia-Herzegovina) substation and connecting lines (Tuzla - Visegrad)	-	-		4
d08	4.10	EL4	HR	BH	Ernestinovo (Croatia) substation and connecting lines (Ernestinovo - Ugljevik)	-	-		11
d08	4.10	EL4	HR	FY RO M	Ernestinovo (Croatia) substation and connecting lines (Ernestinovo - Mladost)	-	-		11

d08	4.10	EL4	HR	HR	Ernestinovo (Croatia) substation and connecting lines (Ernestinovo - Zerjavinec)	-	-		2
-	4.11	EL4	GR	GR	New connections between Greece and Albania, Bulgaria and FYROM (Florina - Amyndeo/Amyntaio)	-	-		N/A
-	4.11	EL4	MK	GR	New connections between Greece and Albania, Bulgaria and FYROM (Bitola - Florina)	E059/96	125.000		10
d13	4.15	EL9	ES	MA	Submarine cable between South Spain and Morocco (strengthening of existing connection)	E003/95 E131/01	637.500 1.127.000		N/A
-	4.16	EL8	PL	PL	Connections for the Baltic Electricity Ring: Germany - Poland - Russia - Estonia - Latvia - Lithuania - Sweden - Finland - Denmark - Belarus (Dobrzeń - Wielopole)	-	-		46
d14	4.17		FI	RU	Southern Finland - Russia link (Kymi-St.Petersburg II)	E055/96	240.000		17
d15	4.22	EL7	SE	NO	New connections between Mid Sweden and Mid Norway (Grundfors-Rossåga)	E115/00	54.700		3
GAS NETWORKS									
-	7.17	NG1	BE	NL	Interconnecting pipelines between United Kingdom, the Netherlands and Germany, linking the main sources and markets of North West Europe (Ravenstein - Vinkel)	-	-		N/A
e04	8.6	NG4	ES	ES	LNG at Bilbao (ES), new terminal	-	-		280
e05	8.9	NG4	PT	PT	LNG in Sines (PT), new terminal	G049/99	934.500		265
h16	9.26		FR	CH	Taisnières (FR) - Oltingue (CH) gas pipeline	-	-		N/A

Table 3 – Projects of common interest and priority projects (as defined in Annexes I and III of the 2003 guidelines) finalised in 2004

Ref. Old guidelines	Ref. 2003 guidelines Annex III	Priority Axis (2003 guidelines)	Country A	Country B	Projects of common interest/priority projects (2003 guidelines)	Proposals Number	TEN-E funding (€)	EIB Loans (K€)	Estimated total cost (M€)
ELECTRICITY NETWORKS									
-	2.6	EL2	FR	IT	Further increase of capacity through existing interconnection between France and Italy (Phase shifter in Rondissone)	-	-		23
b10	2.10	EL3	ES	PT	Connections between northern Portugal and north-western Spain (Cartelle-Lindoso II)	-	-		N/A
b16	3.2	EL7	DK	DK	Connection on the Danish North - South axis (V. Hassing (DK) - Trige (DK) line)	-	-		120
c07	3.26	EL3	PT	PT	Picote (PT) - Pocinho (PT) line (upgrading)	-	-		4
c07	3.31	EL3	PT	PT	Pereiros (PT) - Zêzere (PT) - Santarém (PT) lines and Zezêre facilities	-	-		28
-	3.53	EL1	NL	NL	Implementation of reactive power compensation equipment (NL)				N/A
GAS NETWORKS									
e01	6.1		IE	UK	Developing gas network from Belfast towards North-West region of Northern Ireland (UK) and, if appropriate, to the western coast of Ireland	-	-		100
f20	7.19		DK	DK	Connection between offshore facilities in the North Sea, or from Danish offshore to United Kingdom onshore facilities	-	-		N/A
h04	9.7	NG2	ES	DZ	Increasing transport capacity of the Algeria - Morocco - Spain (up to Cordoba) pipeline	-	-		N/A

Table 4 – Projects of common interest and priority projects (as defined in Annexes I and III of the 2003 guidelines) finalised in 2005

Ref. Old guidelines	Ref. 2003 guidelines Annex III	Priority Axis (2003 guidelines)	Country A	Country B	Projects of common interest/priority projects (2003 guidelines)	Proposals Number	TEN-E funding (€)	EIB Loans (K€)	Estimated total cost (M€)
ELECTRICITY NETWORKS									
b04	2.2	EL1	FR	BE	Avelin (FR) - Avelgem (BE) line	E191/04	1.005.900		21,5
b10a	2.11	EL3	ES	PT	Sines (PT) - Alqueva (PT) - Balboa (ES) line	E065/97	538.500		39
c05	3.14	EL2	IT	IT	Rizziconi (IT) - Feroletto (IT) - Laino (IT) line	E090/98	296.300		80
c07	3.29	EL3	PT	PT	Sines (PT) - Ferreira do Alentejo (PT) I line (upgrading)	-	-		3
c07	3.33	EL3	PT	PT	Carrapatelo (PT) - Mourisca (PT) line (upgrading)	-	-		4
-	-	EL1	BE	BE	Upgrading of 380 kV grid in Belgium to increase import capacity	-	-		13,1
-	-	EL8	PL	PL	Tamów (PL) - Krosno (PL)	-	-		N/A
d05	4.3	EL2	IT	CH	S. Fiorano (IT) - Robbia (CH) line	E135/01	249.000		54 (IT side)
d15	4.23	EL7	SE	NO	Borgvik (SE) - Hoesle (NO) - Oslo region (NO) line (Oslo West line)	-	-		N/A
GAS NETWORKS									
f05	7.4	NG2	ES	FR	Lussagnet (FR) - Bilbao (ES) pipeline	G061/00 G099/03	911.350 1.042.000		25
f11	7.10		AT	DE	Bad Leonfelden (DE) -Linz (AT) pipeline	-	-		N/A
e04	8.4	NG4	ES	ES	NG at Cartagena (ES), extending existing terminal (LNG terminal Cartagena III)	-	-		N/A
e04	8.8	NG4	ES	ES	LNG in Barcelona (ES), extension existing terminal	-	-		72
h04	9.8	NG2	ES	ES	Cordoba (ES) - Ciudad Real (ES) pipeline	-	-		N/A
h04	9.9	NG2	ES	ES	Ciudad Real (ES) - Madrid (ES) pipeline	-	-		N/A
h09	9.18	NG6	IT	LY	Gas pipeline from Libyan resources to Italy (Libya-Italy (Gela) new submarine pipeline)	-	-		1.400

h09	9.18	NG6	IT	IT	Gas pipeline from Libyan resources to Italy (New pipeline Gela-Enna (Sicilia))	-	-		64
h15	9.25		IT	NL	Increasing transport capacity of the TENP gas pipeline running from the Netherlands through Germany to Italy (TENP - pipeline extension + repowering of compression units)	-	-		348

Table 5 – Projects of common interest and priority projects (as defined in Annexes I and III of the 2003 guidelines) finalised in 2006

Ref. Old guidelines	Ref. 2003 guidelines Annex III	Priority Axis (2003 guidelines)	Country A	Country B	Projects of common interest/priority projects (2003 guidelines)	Proposals Number	TEN-E funding (€)	EIB Loans (K€)	Estimated total cost (M€)
ELECTRICITY NETWORKS									
-	2.20	EL7	DK	SE	Reinforcement of the connections between Denmark and Sweden (Konti-Scan 1 upgrading)	-	-		35
c05	3.13				Tavarnuzze (IT) - S. Barbara (IT) line	E014/95	87.500		10
-	3.37	EL4	GR	GR	Connections of the regions of Evia (GR), Lakonia (GR) and Thrace (GR) (150 kV OHL Molai - Atros in the area of Lakonia)	-	-		12
-	4.16	EL8	PL	PL	Connections for the Baltic Electricity Ring: Germany - Poland - Russia - Estonia - Latvia - Lithuania - Sweden - Finland - Denmark - Belarus (Tarnów - Krosno)	-	-		25
d14	4.20	EL7	EE	FI	Submarine cable between Finland and Estonia ((Estlink subsea cable)	E095/99	670.000		110
-	4.26	EL8	HU	HU	Győr - Szombathely	-	-		60
GAS NETWORKS									
f01	7.2		IE	UK	North-South interconnection, including Dublin-Belfast pipeline	G033/98 G050/99	250.000 575.000		N/A
e04	8.7	NG4	ES	ES	LNG in the Valencia region (ES), new terminal	-	-		340
-	-				Increasing transport capacity of the STEGAL gas pipeline for transport of additional gas from the Czech-German border and from the Polish-German border through Germany to other Member States	-	-		N/A