

CHAPTER 15 ENERGY

Priority 15.1 Continuing alignment with and implementation of, the acquis on the internal gas and electricity market and on cross border exchanges in electricity, also with a view to possible membership of the Energy Community Treaty. Ensuring the implementation of fair and non-discriminatory rules for the transmission of gas

Discussions in connection with Turkey's accession to the Energy Community Treaty are being continued with the European Commission.

1 Schedule of legislative alignment

Table 15.1.1

No	EU legislation in force	Draft Turkish legislation	Scope	Institution in charge	Publication date
1	Directives No. 2003/55/EC and 2004/67/EC	Law Amending the Natural Gas Market Law	Regulation of the issues relating to the import by private sector and liberalization of the market. Identification of measures to be taken in case of emergency in the natural gas sector	Ministry of Energy and Natural Resources	2009

2 Schedule of institutional capacity building requirements necessary for legislative approximation and implementation

No institutional capacity building requirement is envisaged under this priority at this stage.

3 Financial requirements and resources

No financial requirement is envisaged under this priority at this stage

Priority 15.2 Strengthening administrative capacity and continuing alignment in the energy efficiency field, promotion of high-efficiency cogeneration, and development of renewable energy in transport, electricity and heating/cooling, including the setting of appropriate and ambitious targets and incentives

1 Schedule of legislative alignment

Table 15.2.1

No	EU legislation in force	Draft Turkish legislation	Scope	Institution in charge	Publication date
1	Directive No. 94/2/EC	Amendment to the Communiqué on Energy Labelling of Household Electric Refrigerators, Deep-Freezers, Refrigerators and Deep-Freezers and their Combinations	Transposition of amendments, made by the EU as a result of technological developments, introducing A + and A ++ regulations to energy labelling of refrigerators.	Ministry of Industry and Trade	2009
2	Directive No. 2002/91/EC, 2006/32/EC	Implementing Regulation on Energy Management in the Schools of the Ministry of National Education	Establishment of energy management systems in schools and assignment of energy managers in buildings owned by the Ministry of National Education.	Ministry of National Education	2009
3	Directive No. 2005/32/EC	Legislation on the Ecodesign Requirements for Energy-Using Products	Integration of certain criteria which contribute to the protection of the environment at the design stage of products within the scope of the related EU Directive.	Ministry of Industry and Trade	2009
4	Directive No. 2003/30/EC	Law on the Extension of Use of Biofuels	Aims at promotion of the use of biofuels produced from domestic agricultural products within the perspective of full membership to the EU.	Ministry of Energy and Natural Resources	After 2011

2 Schedule of institutional capacity building requirements necessary for legislative approximation and implementation

Table 15.2.2

No	Requirements	Year
(Ministry of Industry and Trade)		
1	Training of Ministry personnel on 2005/32/EC Directive and the related directives	2009
(Ministry of Public Works and Settlement)		
2	Establishing a unit in order to carry out activities such as preparing legislation, assessment, certification, software development, inspection and data-base and research-development for the purpose of preparing legislation in the field of energy performance in buildings and inspection of implementations	2009
3	Strengthening of the administrative capacity for implementation of the Implementing Regulation on Energy Performance of Buildings	2010
4	Establishment of a laboratory in order to carry out the activities such as research & development, inspection and training regarding the energy performance in the buildings	2010
(Ministry of Energy and Natural Resources (General Directorate of Electrical Power Resources Survey and Development Administration))		
5	Strengthening administrative and institutional structure	2010
(Ministry of Transport)		
6	Establishment of an administrative unit with in the Ministry for the purpose of strengthening the administrative capacity to collect and assess statistics concerning implementations of “Implementing Regulation on Principles and Procedures Regarding the Increase of Energy Efficiency in Transportation” which was published in the Official Gazette No. 26901 on 9 June 2008 based on the Energy Efficiency Law (No: 5627)	After 2011

3 Financial requirements and resources

Table 15.2.3.1

(Euro)

Requirements (Ministry of Industry and Trade)	Year	National Budget	EU sources	Other	Total
I- Investment					
II- Legislative approximation and implementation					
- Personnel					
- Training					
Three-day training on Directive No. 2005/32/EC and Directives 92/42/EEC, 96/57/EC and 2000/55/EC amended by Directive 2005/32/EC.	2009		20.000		20.000
- Consultancy					
- Translation					
- Other					
Total			20.000		20.000

Table 15.2.3.2

(Euro)

Requirements (Ministry of Public Works and Settlement)	Year	National Budget	EU sources	Other	Total
I- Investment					
Investment for hardware, database, account programs and research & development within the frame of establishing a unit responsible for preparing legislation in the field of energy performance in buildings and inspection of implementations	2010	50,000	150,000		200,000
Establishment of “Building Inventory” data base, based on GIS application for the effective implementation of the EPBD Directive	2010	1,500,000	4,500,000		6,000,000
Equipment and hardware necessary for the laboratory to be established	2010	1,875,000	5,625,000		7,500,000
II- Legislative approximation and implementation					
- Personnel					
Acquisition of qualified staff for the Unit responsible for preparing legislation in the field of energy performance in buildings and inspection of implementations (10 persons)	2009	25,000			25,000
- Training					
Following the establishment of a unit responsible for preparing legislation in the field of energy performance in buildings and inspection of implementations. (150 persons x 2 times)	2010		100,000		100,000
Design training course for the building constructors on the “ecologic construction”, “solar energy” and “zero CO2 emission buildings” for the effective implementation of legislation on energy performance in buildings, within the framework of the awareness program .(200 persons)	2010		250,000		250,000

Table 15.2.3.2 (Continued)

(Euro)

Requirements (Ministry of Public Works and Settlement)	Year	National Budget	EU sources	Other	Total
Design training course on “Construction techniques for the Energy Efficient Building” within the framework of the awareness program for the effective implementation of legislation on energy performance in buildings.(200 persons)	2010		250,000		250,000
Training of the personnel on laboratory activities within the context of establishment of laboratory (75 persons x 2 times)	2010		50,000		50,000
- Consultancy					
Consultancy within the framework of establishing a unit responsible for preparing legislation in the field of energy performance in buildings and inspection of implementations. (1 person x 1 year)	2010		150,000		150,000
Consultancy for the development of administrative capacity within the scope of Directive on Energy Performance of Buildings (2002/91/EC)	2010		500,000		500,000
Consultancy for the design of the data base for “the Building Inventory”, based on GIS application for the effective implementation of legislation on energy performance in buildings	2010		750,000		750,000
Consultancy for the development of a program on the “Implementation of legislation on energy performance in buildings in existing building stock”	2010		750,000		750,000
Consultancy for the development of a program on the “Implementation of legislation on energy performance in buildings in new buildings”	2010		750,000		750,000

Table 15.2.3.2 (Continued)

(Euro)

Requirements (Ministry of Public Works and Settlement)	Year	National Budget	EU sources	Other	Total
Consultancy for the development of public awareness program between the Ministry and the Municipalities to increase the effective implementation of the legislation on energy performance in buildings	2010		1,000,000		1,000,000
Consultancy for designing a training program on “Construction techniques for the Energy Efficient Building” within the framework of the awareness program for the effective implementation of legislation on energy performance in buildings	2010		500,000		500,000
Consultancy for designing a training program on “ecologic construction”, “solar energy” and “zero CO2 emission buildings and pilot applications within the framework of the awareness program initiated for the effective implementation of legislation on energy performance in buildings	2010		500,000		500,000
Consultancy for determining “architectural and site planning criteria” within the context of integrating “passive measures” into architecture and city planning, for the effective implementation of legislation on energy performance in buildings	2010		750,000		750,000
Consultancy within the scope of the establishment of laboratory (1 person x 1 year)	2010		150,000		150,000
- Translation					
Translation of documents related to the sample implementations (model applications?) within framework of the establishing a unit responsible for preparing legislation in the field of energy performance in buildings and inspection of implementations (2,000 pages)	2009	60,000			60,000

Table 15.2.3.2 (Continued)

(Euro)

Requirements (Ministry of Public Works and Settlement)	Year	National Budget	EU sources	Other	Total
Within the framework of the strengthening administrative capacity and within the scope of Directive on Energy Performance of Buildings, translation of the relevant legislation regarding the activities of implementing personnel within the EU and inspection systems of Member States	2009	100,000			100,000
Within the framework of establishment of laboratory, translation of the documents of other states related to laboratory activities (1,000 pages)	2009	40,000			40,000
- Other					
Inspection of the laboratory systems and updating within the framework of establishment of laboratory.	2009-2010	25,000	75,000		100,000
Total		3,675,000	16,800,000		20,475,000

Table 15.2.3.3

(Euro)

Requirements (Ministry of Energy and Natural Resources (General Directorate of Electrical Power Resources Survey and Development Administration))	Year	National Budget	EU sources	Other	Total
I- Investment					
Developing an energy efficiency training facility, training equipment and curriculum, improving and operating the energy efficiency portal (including e-learning), strengthening and renovating infrastructures like computers, training equipment etc.	2010	500,000		350,000 ¹	850,000
II- Legislative approximation and implementation					
- Personnel	2010	40,000			40,000
- Training	2010	30,000	120,000		150,000
- Consultancy	2010		600,000	400,000 ²	1,000,000
- Translation	2009	50,000			50,000
- Other	2010	20,000,000 ³			20,000,000
Total		20,620,000	720,000	750,000	22,090,000

¹ To be financed by the project concerning voluntary agreements within MATRA G2G in co-operation with Netherlands.

² Project proposal on increasing energy efficiency in industry within Global Environment Facility (GEF) for Co-operation with EU member states (France and Netherlands) has been submitted.

³ Refers to the financial requirements for the next two years in order to meet the needs for implementation requirements of the Energy Efficiency Law No 5627 published in the Official Gazette on 2 May 2007.

Table 15.2.3.4

(Euro)

Requirements (Ministry of Transport)	Year	National Budget	EU sources	Other	Total
I- Investment					
II- Legislative approximation and implementation					
- Personnel					
- Training					
Training on efficient execution of implementations of implementing regulation on energy efficiency in transport	2009-2011		60,000		60,000
- Consultancy					
Consultancy for the efficient execution of implementations of implementing regulation on energy efficiency in transport	2009-2011		60,000		60,000
- Translation					
Translation for the related legislative alignment	2009-2011	20,000			20,000
- Other					
Total		20,000	120,000		140,000

Priority 15.3 Acceding to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management. Adoption of a nuclear law which ensures a high level of nuclear safety in line with EU standards

Studies on Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management are being carried out by Ministry of Energy and Natural Resources, Turkish Atomic Energy Authority and Ministry of Foreign Affairs.

1 Schedule of legislative alignment

Table 15.3.1

No	EU legislation in force	Draft Turkish legislation	Scope	Institution in charge	Publication Date
1	Convention on Nuclear Safety	Nuclear Law	Establishment of nuclear and radiation safety and security principles; definition of duties, authorities and responsibilities of Turkish Nuclear Regulatory Authority (TNRA) to regulate activities related to the peaceful use of nuclear energy and ionizing radiation in the country and of the Turkish Atomic Energy Authority (TAEA) to conduct research, technology development and implementation studies in relation to such activities.	Turkish Atomic Energy Authority	2009-2010

2 Schedule of institutional capacity building requirements necessary for legislative approximation and implementation

Table 15.3.2

No	Requirements	Year
(Turkish Atomic Energy Authority)		
1	Strengthening regulatory capacity pertaining to nuclear power plant licensing of TAEK	2009-2011

3 Financial requirements and resources

Table 15.3.3

(Euro)

Requirements (Turkish Atomic Energy Authority)	Year	National Budget	EU sources	Other	Total
I- Investment					
II- Legislative approximation and implementation					
- Personnel					
Recruitment of qualified personnel on nuclear power plant licensing	2009-2011	14,400,000			14,400,000
- Training					
Nuclear power plant licensing	2009-2011	1,800,000	900,000	300,000 ⁴	3,000,000
- Consultancy					
- Translation					
- Other					
Service procurement in the required fields during nuclear power plant licensing	2009-2014	10,000,000		500,000 ⁵	10,500,000
Total		26,200,000	900,000	800,000	27,900,000

⁴ To be financed as the financial assistance of International Atomic Energy Agency to projects

⁵ To be financed as the financial assistance of International Atomic Energy Agency to projects

Priority 15.4 Further strengthening administrative and regulatory structures needed for a functional and competitive energy market and ensure their independence

1 Schedule of legislative alignment

Table 15.4.1

No	EU legislation in force	Draft Turkish legislation	Scope	Institution in charge	Publication date
1	Directive No. 94/22/EC	Turkish Petroleum Law	Identification of the procedures and principles of collection, evaluation and introduction for use of information and data required for exploration and production of oil and natural gas, and regulation, direction, promotion of oil and natural gas exploration and production activities in Turkey	Ministry of Energy and Natural Resources	2009
2	Decisions No.68/416/EEC, 77/706/EEC Directives No. 73/238/EEC, 2006/67/EC	Law on the Establishment of National Oil Stock Agency and its Organization	Rights and obligations of all real and legal persons in relation to the maintenance of national oil stocks, procedures and principles regarding the establishment of the authority of a National Oil Stock Agency.	Ministry of Energy and Natural Resources	2009-2010

2 Schedule of institutional capacity building requirements necessary for legislative approximation and implementation

Table 15.4.2

No	Requirements	Year
(Energy Market Regulatory Authority (EMRA))		
1	Enhancement of the administrative capacity with a view to developing the contracts implemented in the energy market in terms of competition and market operations	2009
2	In order to ensure the effective functioning of EMRA, enhancement of the capacity for regulating and monitoring third party access to natural gas and oil storage facilities	2009
(Ministry of Energy and Natural Resources)		
3	Establishment of National Oil Stock Agency	2009-2010

3 Financial requirements and resources

Table 15.4.3.1

(Euro)

Requirements (Energy Market Regulatory Authority)	Year	National Budget	EU sources	Other	Total
I- Investment					
II- Legislative approximation and implementation					
- Personnel					
- Training					
Contracts that will be concluded between the consumers and legal persons operating in the market and member state implementations	2010		102,000		102,000
Training on legislation concerning transmission network operations and member state implementations	2010		75,000		75,000
Training on legislation concerning distribution network operations and member state implementations	2010		75,000		75,000
Training on third party access to the storage facilities and member state implementations	2010		150,000		150,000
- Consultancy					
- Translation					
- Other					
Total			402,000		402,000

Table 15.4.3.2

(Euro)

Requirements (Ministry of Energy and Natural Resources)	Year	National Budget	EU sources	Other	Total
I- Investment					
Facility and data processing system with regard to the establishment of National Oil Stock Agency	2009-2010	4,000,000			4,000,000
II- Legislative approximation and implementation					
- Personnel					
National Oil Stock Agency	2009-2010	1,800,000			1,800,000
- Training					
National Oil Stock Agency a. Training Service on Data Collection System b. Training Service on Agency Working System c. Emergency Training System d. Coordinated Action Training System e. Training on Stock Holding f. Training on Plan Preparation g. Applications	2009-2010	20,000 (a+c+e+g)	60,000 (a+b+c+d+e+f+g)		80,000
- Consultancy					
Inspection of the other countries' stock holding systems following the establishment of National Oil Stock Agency	2009-2010	30,000	90,000		120,000
- Translation					
National Oil Stock Agency (Translation of the reports and documents related to training)		10,000			10,000
- Other					
Total		5,860,000	150,000		6,010,000