



EU/IPA Energy Sector Technical Assistance Program - Phase 2 Project (P151934)

EUROPE AND CENTRAL ASIA | Turkey | Energy & Extractives Global Practice |
 Recipient Executed Activities | Investment Project Financing | FY 2015 | Seq No: 2 | ARCHIVED on 19-Jul-2016 | ISR24374 |

Implementing Agencies: Ministry of Energy and Natural Resources

Key Dates

Key Project Dates

Bank Approval Date:19-Jun-2015

Effectiveness Date:24-Nov-2015

Planned Mid Term Review Date:15-Oct-2018

Actual Mid-Term Review Date:--

Original Closing Date:31-May-2020

Revised Closing Date:31-May-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

Project Development Objective is to develop the administrative and technical capacity of relevant institutions to achieve an increasing alignment with the EU Acquis and the Europe 2020 targets in the areas of (1) energy efficiency, (2) internal energy market, and (3) long-term energy planning and modelling.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components

Name

Energy Efficiency:(Cost \$5.60 M)

Electricity and Gas Market Development:(Cost \$1.79 M)

Long-term Energy Scenarios, Capacity Building And Establishment Of An Energy Data Center:(Cost \$5.54 M)

Visibility and Public Awareness Building:(Cost \$0.55 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Substantial	● Substantial



Implementation Status and Key Decisions

The Project became effective recently and procurement process has been initiated.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● Moderate	● Moderate
Macroeconomic	--	● Low	● Low
Sector Strategies and Policies	--	● Low	● Moderate
Technical Design of Project or Program	--	● Low	● Low
Institutional Capacity for Implementation and Sustainability	--	● Substantial	● Substantial
Fiduciary	--	● Substantial	● Substantial
Environment and Social	--	● Low	● Low
Stakeholders	--	● Moderate	● Moderate
Other	--	--	--
Overall	--	● Substantial	● Substantial

Results

Project Development Objective Indicators

► Energy efficiency potential in TEİAŞ, EUAŞ, and BOTAŞ assessed and projects identified for implementation. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Energy efficiency potential has not been identified.	--	Energy efficiency potential has not been identified.	Energy efficiency potential in electricity transmission (TEİAŞ) and generation (EUAŞ hydro) and in gas transmission (BOTAŞ) assessed and



				projects identified.
Date	25-Jul-2014	23-Dec-2015	20-Jul-2016	31-May-2020

► Legal, structural, and administrative functioning of EPIAŞ improved to align with EU energy markets. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Critical elements required for the operation of EPIAŞ not available	--	Critical elements required for the operation of EPIAŞ not available	Legal, structural and administrative basis for properly functioning energy exchange operations of EPIAŞ is achieved and EPIAŞ is functional, operating electricity and gas markets.
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► Improved long-term energy scenarios available for energy policy and strategy decision-making. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Long term energy scenarios not available	--	Long term energy scenarios not available	Long-term energy scenarios available for energy policy and strategy decision-making. Energy data available from the new Energy Data Center.
Date	25-Jul-2014	23-Dec-2015	20-Jul-2016	31-May-2020

Overall Comments



Intermediate Results Indicators

► Current energy efficiency conditions of EUAŞ hydro plants analyzed and feasibility study completed. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No analysis of current energy efficiency of EUAŞ hydro plants.	--	No analysis of current energy efficiency of EUAŞ hydro plants. The project is in the final stage of initiating a pilot study for assessing EE potential in a selected hydro generation facility.	Analysis of the current energy efficiency of the hydro energy generation facilities of EUAŞ, including needs analysis and feasibility study completed.
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► Needs assessment of energy storage and frequency regulation systems completed and workshop organized to analyze the systems. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Needs assessment not conducted.	--	The TOR for the needs assessment has been drafted.	Needs assessment of energy storage and frequency regulation systems completed and workshop conducted to analyze the systems in the area of security of supply and system stability
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► Current energy efficiency of the electricity transmission network of TEİAŞ analyzed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Analysis of energy efficiency potential of TEİAŞ not available.	--	Analysis of energy efficiency potential of TEİAŞ not available.	Analysis of current energy efficiency of the electricity transmission network of TEİAŞ completed.



Date	25-Jul-2014	--	20-Jul-2016	31-May-2020
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► Energy efficiency of the natural gas transmission system assessed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No assessment of energy efficiency of the natural gas transmission system conducted.	--	No assessment of energy efficiency of the natural gas transmission system conducted.	Needs assessment regarding energy efficiency of the natural gas transmission system completed
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► Number of people trained through site visits, symposiums and workshops on various aspects of energy efficiency in electricity generation and transmission (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150.00
Date	25-Jul-2014	30-Dec-2015	20-Jul-2016	31-May-2020

► Number of trainings conducted for capacity building in electricity and gas market development (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	3.00
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020



► Technical infrastructure needs for a properly functioning energy exchange identified (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Technical infrastructure needs not identified	--	Technical infrastructure needs not identified	Study to identify technical infrastructure needs to ensure a properly functioning energy exchange
Date	25-Jul-2014	30-Dec-2015	20-Jul-2016	31-May-2020

► Feasibility studies, roadmap, and analysis to enhance the regulation, administration, and organization of an energy market completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Feasibility studies, roadmap, and analysis to enhance the functioning of an energy market not available	--	Feasibility studies, roadmap, and analysis to enhance the functioning of an energy market not available	Regulation, administration, and organization of an energy market analyzed and results of studies disseminated in a Workshop.
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► SCADA system designed according to the needs of the liberalized natural gas sector (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Existing SCADA system not consistent with the needs of the liberalized natural gas sector	--	Existing SCADA system not consistent with the needs of the liberalized natural gas sector. The contracting process is ongoing.	SCADA system, Gas Management Tools, hardware and software developed to the needs of liberalized natural gas sector
Date	25-Jul-2014	30-Dec-2015	20-Jul-2016	31-May-2020



► Gaps in the energy data collection system identified and roadmap and draft legislation for improvement prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Review of current energy data collection system and legislation to implement improvement not done	--	Review of current energy data collection system and legislation to implement improvement not done.	Needs analysis and roadmap for elimination of gaps in energy data collection completed and draft legislation proposed to implement the roadmap.
Date	25-Jul-2014	30-Dec-2015	20-Jul-2016	31-May-2020

► Software and hardware for energy data center purchased (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No software and hardware for energy data center available	--	No software and hardware for energy data center available	Infrastructure for the energy data center equipped with the required software and hardware
Date	25-Jul-2014	30-Dec-2015	20-Jul-2016	31-May-2020

► Number of people trained in effective operation of the data center (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	--	0	300 personnel trained in the operation of the data center
Date	31-May-2014	--	20-Jul-2016	31-May-2020



► Project Phase II visibility and public awareness campaigns carried out (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No visibility and public awareness campaign has been conducted	--	No visibility and public awareness campaign has been conducted	Visibility and public awareness campaigns prepared and disseminated
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

► Number of fora, seminars and workshops carried out to disseminate results of the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	8.00
Date	25-Jul-2014	--	20-Jul-2016	31-May-2020

Overall Comments

Data on Financial Performance

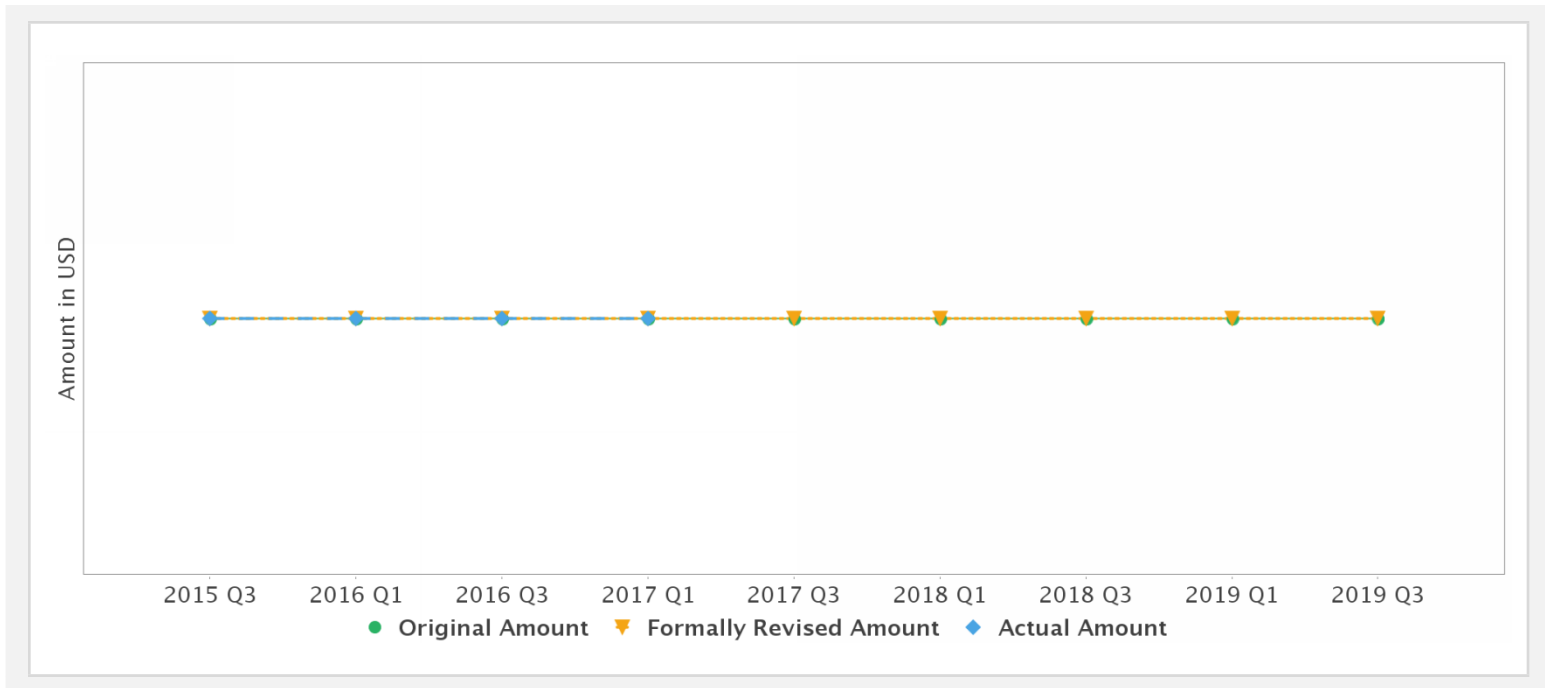
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P151934	TF-19255	Effective	USD	12.59	12.59	0.00	0.00	12.59	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P151934	TF-19255	Effective	19-Jun-2015	19-Jun-2015	24-Nov-2015	31-May-2020	31-May-2020

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.