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SECTION A. Project Title

[See Toolkit 1.6]

Canakkale WPP

SECTION B. Project description

Enerjisa Enerji Üretim A.Ş. realised the installation of the Canakkale Wind Power Plant (Canakkale WPP) with an installed capacity of 29.9 MW in the Western part of Turkey. By means of the project 91,570 MWh of clean energy has been expected to be generated annually through 13 Siemens SWT 101 wind turbines, each having a capacity of 2.3 MWs. The turbines were purchased from Denmark. The electricity has been transmitted to an existing substation at Çanakkale Natural Gas Fired Power Plant via an underground power line.



Figure.1. View of Siemens SWT 101

The Project Proponent has been granted a 49 year generation licence by the Turkish Energy Market Regulatory Authority¹ for the proposed Project under the provisions of Law No. 4628 governing the electricity market in the Republic of Turkey.

The purpose of the Project is to produce renewable electricity using wind as the power source and to contribute to Turkey's growing electricity demand through a sustainable and low carbon technology. The project will displace the same amount of electricity generated by the grid dominated with fossil fired power plants. The annual emission reduction estimated by the project is 55,878 tonnes of CO₂eq.

Prior to the project scenario, there was no electricity generation at the site and electricity

¹ Licence EU/1501-2/1088, dated February 21, 2008

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would have been generated by other systems on the National Grid of Turkey. The main sources of emissions are carbon dioxide associated with the combustion of fossil fuels such as coal, oil and natural gas. This is because the project will be displacing more fossil fuel intensive activity from the grid. Further detail on baseline emissions is given below, but Figure 1 shows past and predicted trends of fuels used in energy generation in Turkey. There will be no emission of greenhouse gases from the project itself, within the project boundary.

Prior to the start of the Project Activity, electricity is supplied to the grid from a mix of sources which includes a proportion from fossil fuels which leads to the emission of carbon dioxide when electricity is used.

The Baseline Scenario is the same as the scenario prior to the project.

The Project reduces these gases (more detail in Section B.3.) by installing and operating the wind power generation technology described in Section A.4.3.

In the view of the Project Participants, the project contributes to Sustainable development in the following ways:

- Lowering the dependency on imported resources such as natural gas and oil.
- It will slow the increase in carbon dioxide emissions per capita (a 10% increase in CO₂ emissions per capita has been observed between 1995-2003²).
- Increase employment in the construction and operation phases.

² Millennium Development Goals Report, Turkey 2005

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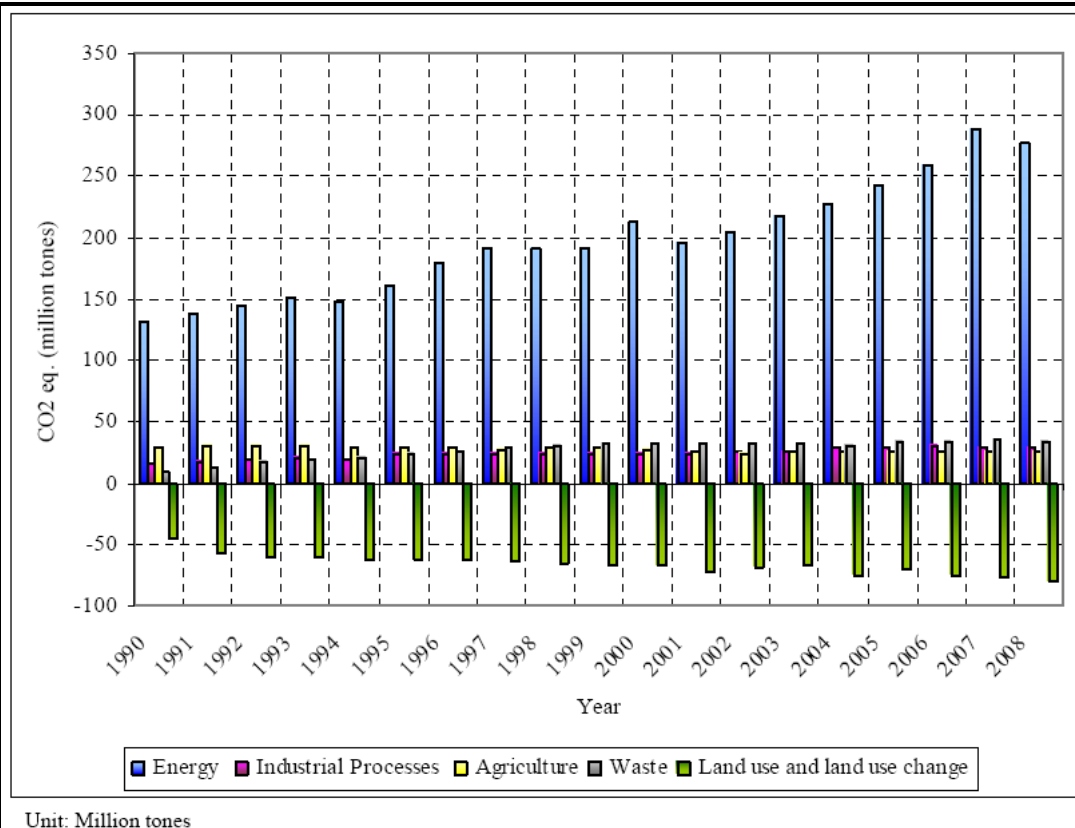


Figure.2. Greenhouse gas emission trends by sector.

Estimated start date of construction: 28/04/2010

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SECTION C. Proof of project eligibility

C.1. Scale of the Project

[See Toolkit 1.2.a]

Please tick where applicable:

Project Type	Large	Small
	☐	☐
	☐	☐
	☐	☐
	☒	☐
	☐	☐

	☐
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C.2. Host Country

Host country is Republic of Turkey. Turkey does not have any quantitative reduction target under the Kyoto Protocol.

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C.3. Project Type

[See Toolkit 1.2.c and Toolkit Annex C]

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	☒	☐
Does your project activity classify as an End-use Energy Efficiency Improvement project?	☐	☒

Please justify the eligibility of your project activity:

Çanakkale Wind Power Plant is a renewable energy project included under UNFCC Sectoral Scope 1, category "Energy industries (renewable - / non-renewable sources)".

Pre Announcement	Yes	No
Was your project previously announced?	☐	☒
Explain your statement on pre announcement Project has not been announced to be going ahead without carbon credits previously. The licence was granted in 21.02.2008 and JP Morgan Climate Care (the Consultant) was contacted for the consultancy services and an agreement was signed on 19.12.2008. The investment decision was taken on 25.03.2009 and the construction started just after a year, on 28.04.2010.		

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C.4. Greenhouse gas

[See Toolkit 1.2.d]

Greenhouse Gas	
Carbon dioxide	☒
Methane	☐
Nitrous oxide	☐

C.5. Project Registration Type

[See Toolkit 1.2.f]

Project Registration Type	
Regular	☐

Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	☒	☐	☐

If Retroactive, please indicate Start Date of Construction dd/mm/yyyy: 28/04/2010

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SECTION D. Unique project identification

D.1. GPS-coordinates of project location

A representative midpoint has been selected for the project coordinates. Please see the map below.

	Coordinates
Latitude	39° 52' 14.83" N
Longitude	26° 13' 26.86" E

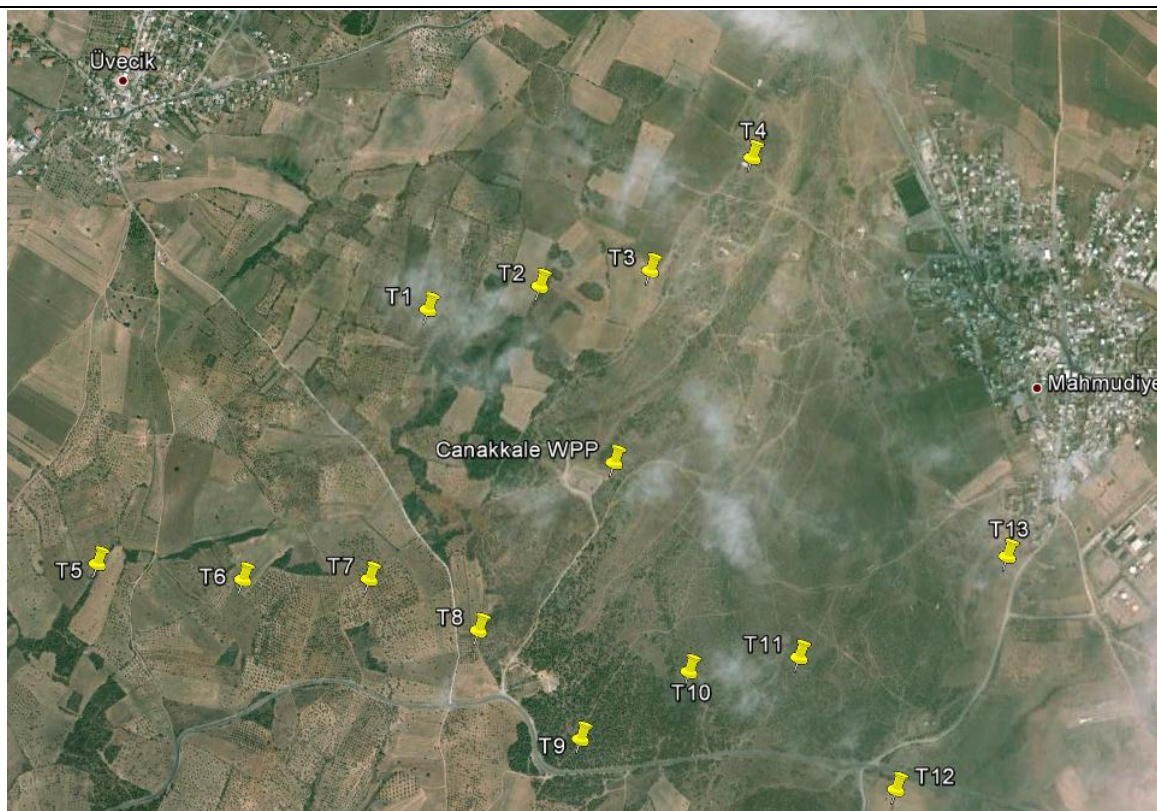


Explain given coordinates

N/A

D.2. Map

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SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

Stakeholder Comment	Assessment	Response to comment
Is the public going to be informed during the expropriation process?	Yes although laws could be enforced, the expropriation process is going to be realized in consensus with the owner.	This is the land acquisition policy, and does no harm approach of EnerjiSA. To determine the price during land acquisition process, first the project owner will negotiate with the owner. In case of no agreement the EMRA's (Electricity Market Regulation Authorization) expropriation regulations would apply. In that case a valuator assigned by the court would determine the value of the land and the land would be acquired in line with

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		the decision of the value and the money is deposited to the owner's bank account.
Is there going to be noise related to turbines?	Yes	Base level noise measurements are made and the situation is evaluated to be harmless as indicated in the SEIA report.
Will there be job opportunities for the local inhabitants	Yes	Although the numbers may be limited, all the possible positions will be offered to the local inhabitants first.

E.2. Stakeholder Feedback Round

Please describe report how the feedback round was organised, what the outcomes were and how you followed up on the feedback.

It is recommended to do a site visit for the stakeholder feedback round. Thanks to the Grievance Mechanism prepared in order to receive potential comments, the Mayor of Mahmudiye town and Muhktar of Üvecik Village as well as the people living in the region had the opportunity to visit the site periodically and received information on the process of the project.

"Grievance Mechanism" details are given as follows:

"In the scope of the proposed Project, a grievance mechanism will be implemented in order to ensure that complaints of the people affected by the Project are considered and resolved with corrective actions by EnerjiSA. In the scope of the grievance mechanism, complaints and requests received by any department of EnerjiSA will be forwarded to the Corporate Communication Department. People could send their complaints or requests to EnerjiSA by free telephone line, phoning the project office or informing Public Relations officer about their concerns. In addition, the Compliant/Request Form and Complaint/Request Close-out Form which are used for receiving and close-out of the complaint/request are prepared in the scope of the grievance mechanism. These forms are presented below³. Responsible personnel for filling out the Complaint/Request Form will be Machine-Operation and Maintenance Engineers for power plants and Corporate Communication Specialist or Administration Officer at the project sites for the projects. In addition, departments will be responsible for sending related forms to Corporate Communication Department in order to ensure that this form is recorded to the system. Corporate Communication Department will take necessary actions for the consideration of complaint or request. Feedback will be given to the person and institutions that have complaint or request in fifteen days at latest. " (EIA).

³ These forms can be seen within the EIA report prepared by AECOM

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As a result, it was concluded to distribute the related documents to the stakeholders for the feedback round. The project documentation including passport, PDD, LSCR and the summary of PDD in Turkish are made available via internet for the feedback round on 04.11.2011. The local governmental agencies and NGOs are also invited for the feedback round via fax and emails on 17.11.2011.

Environmental and social commitments are audited by a third party consultant who visited the site on July and October 2010 during construction period. The auditing reports are submitted to the DOE during validation.

The nearest residents to the wind farm (three households), are also conducted during operational phase. They presented their concerns on noise pollution during high wind season. The complain of noise pollution, particularly from the resident living near to Turbine 13 was high as he was living very near to the cement factory and the natural gas power plant at the same time. The noise coupled with the other industrial background has been high to disturb him and his family. The other two residents said that they are disturbed in case wind blows hard.

All complains are taken seriously and will be followed during the operational period. Noise measurements will be conducted on site on December 2011. The possible mitigation measures will be decided to remedy the negative impact on the local residents. Monitoring parameter is added to the plan below.

There were no other comments received at the end of feedback round.

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
Human Rights			
1. The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicit in Human Rights abuses.	Turkey is a party to European Convention on Human Rights since 18.May. 1954 ⁴ The project owner respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicit in Human Rights	Low	Not necessary

⁴ Please See Official Website of Ministry of Foreign Affairs of Turkey : <http://www.mfa.gov.tr/the-european-convention-on-human-rights.en.mfa>

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	abuses.		
2. The project does not involve and is not complicit in involuntary resettlement.	The project area is registered as forestry, treasury and privately owned lands. The project activity requires no resettlement but only requires minor land acquisition. Therefore, the project activity does not require any involuntary resettlement. With respect to privately owned lands, a separate study, The Resettlement Action Plan (RAP), has been conducted to predict social and economical impacts related to the project implementation. This Resettlement Action Plan (RAP) was prepared to describe the framework and procedures followed in the acquisition of land affected by Çanakkale Wind Power Plant (CWPP) Project in two affected villages of Mahmudiye and Uvecik. Land acquisition and compensations given to the affected inhabitants are done in accordance with the results of this study. The RAP report has been provided separately. The affected landowners will be compensated by the loss of their land with willing buyer/seller arrangements. Therefore, The project does not involve and is not complicit in involuntary resettlement (Resettlement Action Plan). In addition to the Resettlement action Plan, completion audit report has been prepared dated June 2012.⁵	Low	Mitigation measures has explicitly been discussed in the RAP report chapter 5.2. The RAP report has been provided separately.
3. The project does not involve and is not complicit	The project does not involve and is not complicit in the alteration, damage or removal	Low	Not necessary

⁵ [The completion audit report has been uploaded to the GS registry](#)

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in the alteration, damage or removal of any critical cultural heritage	of any critical cultural heritage (EIA report).		
4. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights	Turkey signed the convention of International Labour Organization. The related articles are 87 ⁶ and 98 ⁷ . The project owner respects Labour Law 4857 ⁸ and Trade Union Act No.2821 ⁹	Low	Not necessary
5. The project does not involve and is not complicit in any form of forced or compulsory labour.	Turkey signed the convention of International Labour Organization. The related articles are 29 ¹⁰ and 105 ¹¹ . The project owner respects Labour Law ¹² and all the employees will be paid and registered to Social Security. No compulsory work is involved.	Low	Not necessary
6. The project does not employ and is not complicit in any form of child labour	Turkey signed the convention of International Labour Organization regarding the prevention of child labour with the articles 182 ¹³ and 138 ¹⁴ . The project owner respects Article 71 of Labour Law; which bans childhood labour.	Low	Not necessary
7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	Turkey signed the convention of International Labour Organization. The related articles are 100 ¹⁵ and 111 ¹⁶ . The project owner respects Article 5/8425 of Labour Law; which states no discrimination based on gender, race, religion, sexual orientation or any other basis is allowed.	Low	Not necessary

⁶ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz087.htm>

⁷ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz098.htm>

⁸ <http://www.tbmm.gov.tr/kanunlar/k4857.html>

⁹ <http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=1.5.2821&sourceXmlSearch=&MevzuatIlski=0>

¹⁰ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz029.htm>

¹¹ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz105.htm>

¹² <http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=1.5.4857&MevzuatIlski=0&sourceXmlSearch=>

¹³ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz182.htm>

¹⁴ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz138.htm>

¹⁵ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz100.htm>

¹⁶ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz111.htm>

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8. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.	Turkey signed the convention of International Labour Organization. The related article is 155¹⁷. The project owner respects Article 77 of Labour Law No.4857 and will take necessary measures.	Low	All the workers will be trained about health and safety issues before construction starts.¹⁸
Environmental Protection			
9. The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle.	Turkey has local regulations for the protection of environment and requires environmental impact assessment at the design phase of the projects¹⁹. The project does not cause significant environmental problems.	Low	The project owner will follow necessary procedures for environmental safety at the project site at international standards. All the precautions are taken and mitigation measures are defined for the possible environmental impacts of the project.²⁰
10. The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) officially proposed for protection, (c) identified by authoritative sources for their high conservation value, or (d) recognized as protected by traditional local communities.	Turkey has its own legislations regarding the protected areas and is a party of many International agreements regarding the protected areas like BERN and RAMSAR²¹. Minor threat could be on local and migratory birds and bats.	Medium	The company will be in line with all International Conventions about protecting biodiversity adopted by Turkey.²² The fauna and flora inventories in the project area are prepared and as a result, it was seen that here is no endangered flora or fauna in the

¹⁷ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/soz155.htm>

¹⁸ Environmental and Social Assessment for CANAKKALE Wind Power Plant Project in Turkey, prepared by AECOM, dated 16 April 2010, Section 8 pages 8-16 to 8-18.

¹⁹ <http://www2.cevreorman.gov.tr/yasa/yonetmelik.asp>

²⁰ Environmental and Social Assessment for CANAKKALE Wind Power Plant Project in Turkey, prepared by AECOM, dated 16 April 2010, Section 5, pages 5-1 to 5-40.

²¹ <http://www.tema.org.tr/Sayfalar/CevreKutuphanesi/Pdf/CesitliKonular/Sozlesmeler.pdf>

²² Environmental and Social Assessment for CANAKKALE Wind Power Plant Project in Turkey, prepared by AECOM, dated 16 April 2010, Section 2.2.

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			region. Also, to mitigate the possible effects of the project on flora and fauna, all the mitigation measures are taken.²³ Birds and bat will be observed, if there are any bird or bat strikes logged in the project site the necessary precautions will be taken to improve recognition of the turbines by birds and bats.
Anti-Corruption			
11. The project does not involve and is not complicit in corruption.	Turkey is a party to OECD and is party to Anti-Bribery Convention²⁴. The project owner respects Declaration of property and Anti-Corruption Law No.3628²⁵	Low	Not necessary
Additional relevant critical issues for my project type	Description of relevance to my project	Assessment of relevance to my project (low/medium/high)	Mitigation Measure
N/A	N/A	N/A	N/A

²³ Environmental and Social Assessment for CANAKKALE Wind Power Plant Project in Turkey, prepared by AECOM, dated April 2010, Section 5.8

²⁴ http://www.oecd.org/document/42/0,3746,en_2649_37447_44690922_1_1_1_37447,00.html

²⁵ <http://www.mevzuat.adalet.gov.tr/html/792.html>

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F.2. Sustainable Development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	Check www.undp.org/mdg and www.mdgmonitor.org Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated No change in impact: score '0' Positive impact: score '+'
Air quality	Dust mitigation measures will be implemented to minimize dust generation during construction. ²⁶	Target 7.A Integrate the principles of sustainable development into country policies and programs and reverse the loss of environmental resources	Parameter: Dust dispersion Monitored by audit reports during construction.	0
Water quality and quantity	Wastewater generated will directly be connected to the sewage of the municipality. ²⁷	Target 7.A Integrate the principles of sustainable development into country policies and programs and reverse the loss of environmental resources.	Parameter. Wastewater connection to the sewage. Monitored by audit reports during construction.	0
Soil condition	-Excavated material and non-hazardous waste will	Target 7.A Integrate the principles of sustainable development into country	Parameter 1: Storage of	0

²⁶ Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 April 2010 Section 5.2.

²⁷ Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 April 2010 Section 5.3

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	be deposited and disposed properly. -Emergency Response Plan and Oil Contingency Plan will be prepared and implemented. -Waste oil will be stored properly and transported by licensed transporters to the licensed processing and disposal facilities. -Hazardous waste will be handled appropriately in closed containers and transported by licensed transporters to the licensed processing and disposal facilities.²⁸ - Measures are taken so that installation of the turbines are realized without giving damage to pasture or agricultural land during construction.	policies and programs and reverse the loss of environmental resources.	excavated material and domestic waste. Parameter2: Storage of hazardous waste (waste oil and fuel). Parameter 3: Installation of the turbines Monitored by audit reports during construction.	
Other pollutants	-Turbines with reduced noise operation systems will	Target 7.A Integrate the principles of sustainable development into country	Parameter: Noise monitoring during daytime	0

²⁸ Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 April 2010 section 5.4 and 5.7

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	be selected. -Positioning will be done in terms of possible noise emissions. -The turbines are equipped with optional noise reduced power operation mode.²⁹	policies and programs and reverse the loss of environmental resources.	and nighttime, including the nearest residents once each year of operation.	
Biodiversity	-Wind turbines will be painted and lighting will be installed of minimize the risk of bird collision. -Storm water management measures³⁰ - Compensation were paid for the minor tree cutting. Those trees were marked by the directorate of forestry. 250 trees that were bought from the Ezine Directorate of Forestry are planted.	Target 7.A Integrate the principles of sustainable development into country policies and programs and reverse the loss of environmental resources.	Parameter: Number of effected birds and bats by seasonal monitoring (migration periods) during the first and second year. Parameter: Number of trees planted.	0
Quality of		MDG Target 1.B Achieve full and	Parameter: Number of	+

²⁹ Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 April 2010 Section 5.1.

³⁰ Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 April 2010 Section 5.8.2.

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employment		Productive employment and decent work for all, including women and young people Target 1.4 Growth rate of GDP per person employed	operation related trainings. Monitored by certificates	
Livelihood of the poor	Resettlement Action Plan to be implemented to ensure that people and enterprises affected by the projects are compensated.	MDG Target 1.A To half the number of people with an income of 1 \$ between years 1990-2015 MDG Target 1.B (employment for everyone, male, female or young)	Parameter1: Payment of compensation to land owners and affected people without a land title. Parameter2: Improved sanitation Monitored by audit reports.	+
Access to affordable and clean energy services		Target 1.4 Growth rate of GDP per person employed	Parameter: Dependency on imported energy resources.	0
Human and institutional capacity		GOAL 1: Eradicate Extreme Poverty and Hunger	Parameter: Support to education	+
Quantitative employment and income generation		GOAL 1: Eradicate Extreme Poverty and Hunger Target 1.4 Growth rate of GDP per person employed	Parameter 1: Number of temporary and permanent jobs created for local people. Parameter 2: Support to local economical activities	+

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			Measured by social security records and audit reports.	
Balance of payments and investment		MDG Target 8.D (This target also covers the good management practice, development and reduction of poverty targets at national and international levels)	Parameter: Percentage of electricity provided to grid to total generation.	0
Technology transfer and technological self-reliance		MDG Target 8.F (To be in cooperation with the private sector to bring in new technologies including information and communication technologies)	Parameter: Expenditures for imported equipment.	+
Justification choices, data source and provision of references A justification paragraph and reference source is required for each indicator, regardless of score				
Air Quality	There are potential industrial facilities located in the close vicinity of the project site, namely: Akçansa Çanakkale Cement Factory and 65 MW Çanakkale Natural Gas Fired Combined Cycle Power Plant. Any adverse impact on air quality is not expected for the proposed wind power plant. There are no air quality measurements for Ezine District but SO₂ and PM concentrations are available for Çanakkale in 2008. Annual averages for SO₂ and PM are 69 µg/m³ and 62 µg/m³, respectively. Those concentrations are far below the short term limits which are defined as 370 µg/m³ for SO₂ and 260 µg/m³ for PM by the regulations (EIA report, page 4-4). Dust emission will be observed temporarily only during the construction phase. Mitigation measures such as sprinkling the roads regularly, loading and unloading without throwing into the air, covering loads on the hoaling vehicles with tarpaulin will be implemented (EIA report, pages 5-16,5-17). The air pollution will be audited and reported quarterly by third party consultant Since it is a WPP project activity, air quality parameter was discussed for the construction phase. The “Air Quality” parameter will not be discussed for the operational phase. The project has been operational for more than a year.			

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Water quality and quantity	The water required for the construction works, dust suppression, wheel washing will be carried out by tanker trucks. This amount of water is insignificant compared to the local water resources and will not impact adversely the local surface or groundwater resources. In addition, drinking water will be supplied by bottled water (EIA report, pages 5-18, 5-19). Wastewater will be disposed to the sewage system of Mahmudiye Municipality. The status of wastewater disposal will be checked via quarterly audits and reported by third party consultant.
Soil condition	Most of the area of the project site is used as agricultural land and pasture land. Olive plantation is the main agricultural activity in the area. Some of the project site is classified as forest land and there are also industrial activities in the East of the project site (EIA report, page 4-6 Turbine coordinates have been modified in order not to use any agricultural (especially olive orchard) field. Please refer to the coordinates given in AECOM Environmental Impact Assessment Report. No existing turbine locations lay within olive trees field therefore there is no mitigation needed for agricultural loss. Since revised coordinates still stay within the environmental impact assessment area, the revision of the Project Introductory File is not needed. All chemical storage containers, including diesel fuel, and hazardous liquid waste drums/containers will be placed so as to minimize the risk of soil and groundwater contamination and water pollution. They will be stored in concrete areas with proper secondary containments and drip trays and spill kits, absorbent pads or materials, and absorbent sands will be provided in case needed. Construction machinery will also be checked regularly to minimize the risk of spill/leakage of oil. Any maintenance will occur on a suitable impermeable ground cover. Refueling will be limited to designated area. With such proper precautions to prevent potential releases to reach environment, an adverse impact to soil and groundwater is not expected (EIA report, page 5-22).
Other pollutants	The construction activities are carried out between 08:00-18:00 hours in order to avoid disturbance in the close vicinity of the settlements. The noise pollution during the operational phase was modeled. Background noise measurements are done and the results are evaluated with respect to both IFC Environmental Noise Management Guideline and Turkish regulation on Assessment and Management of Environmental Noise. It was observed that the noise level shows variations because of the industrial facilities located to the South of Mahmudiye Town and changing wind speeds. The proposed project contribution to background noise level remained below 3 dBA increase (EIA report, pages 5-10, 5-14). As a result, noise will be monitored operation phases of the proposed project in case of complaints.

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	The underground power transmission line will operate at a very low voltage, 31.5 kV and burial depth will be in compliance with the limit allowed by the regulations. Therefore no significant electromagnetic effects are expected. Shadow flicker and blade glint effects have been evaluated in the EIA report, section 5.11. It is concluded that the project will not cause significant shadow flickering on the closest settlements. Blade glint is not expected to be important since the blades will be made of and painted non reflective materials.
Biodiversity	Detailed flora and fauna survey was conducted and the species in the project site were identified. As a result of this study, no threatened or endangered flora or fauna species were determined in accordance with Red Data Book and Bern Convention and IUCN Red list. Bird species in the project site and its vicinity, a literature survey was conducted and observations are made onsite. 63 bird species were predicted. In order to minimize the risk of collision, wind turbines will be painted and lighting will be installed. Appropriate storm water management measures will be implemented to avoid creating small ponds which can attract birds and bats for feeding or nesting near the windfarm (EIA report page 5-26).. There no bird migration routes passing through the project site. No Important Bird Areas or wetlands are identified within the project site and its vicinity as well(EIA report, pages 4-30 to 4-53) Compensation is paid for tree cutting (EIA Report Executive Summary) and 250 new trees are planted. The land which is used for the installation of wind power tribunes can still be used for farming and cattle grazing. Less than 1 percent of the land would be used for foundations and access roads, the other 99 percent could still be used for farming. The clearing of trees around tower bases may be necessary for installation sites on mountain ridges. Compensation was paid by the project developer. (RAP section5 and EIA Executive Summary)
Quality of employment	Main source of income in Çanakkale Province is agricultural activities. 56% of the population deal with the agriculture and main products are wheat, peach, apple, grape, olive and sun flower. In addition, 9% and 4% of the total population is occupied in industrial activities and construction works. Another economic activity is animal husbandary and the product are meat, egg, honey and sea products (EIA report, page 4-56). The poverty rate for population working in agriculture sector in rural areas was

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	35.41% in 2009³¹. The Project will comply with the 4857 numbered Labor Law and its regulations. The project will be implemented in line with the Turkish Health and Safety Laws and Regulations and the International Finance Corporation/World Bank Guidelines.. Temporary jobs during construction and permanent jobs will be available for local people. Health and safety training will be given to the workers who were farmers with no experience of construction works so that they will be experienced in construction.³² The employees will be registered to social security and will benefit from health services as well. Operation related training will be given by TEIAS to the personnel and they will be certificated to work in power plants.
Livelihood of the poor	The Resettlement Action Plan (RAP) is prepared as the privately owned land will be acquired for the use of platform access roads and wind turbines. The Project requires no resettlement and only minimum land acquisition. In order to ensure that people and enterprises affected by the projects are compensated in accordance with good international practice, the land acquisition and resettlement will be carried out in accordance with the laws and regulations of the Republic of Turkey, applicable project agreements, and in accordance with World Bank / International Finance Corporation (IFC) policies and guidelines on involuntary resettlement. The project owner will undertake land acquisition through negotiation with affected landowners, users and occupiers. Special attention will be paid to vulnerable and disadvantaged groups including those without formal title to land. The project owner will monitor the full and effective implementation of the RAP. The RAP is provided. The existing water supply line is renewed providing better sanitation services to local people. The living standards of nomadic people are improved as well. The pre-fabric dorms, bathroom and toilets in the camp site are left to the Municipality for the use of nomadic people. The taxes paid to the Municipality for the project are also spent for the improvement of pasture and living environment of nomadic people, as stated by the Mayor.
Access to affordable and clean energy	The electricity generated is a small amount compared to the high demand in country. The percentage of dependency on imported energy resources has increased from 60.1% in 1997 to 70.4% in 2009³³ . However; the impact of the project for decreasing the dependency would be so small to be monitored.

³¹ http://www.tuik.gov.tr/PreIstatistikTablo.do?istab_id=477

³² Please see the Environmental Impact Assessment report for Canakkale WPP prepared by AECOM dated 16 april 2010 Section 8.0

³³ Eurostat data (<http://epp.eurostat.ec.europa.eu/tgm/table.do?tab=table&init=1&plugin=1&language=en&pcode=tsdcc310>)

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services	
Human and institutional capacity	EnerjiSA's policy is to contribute to education and training of the local villagers; hence the contribution will be determined along those lines. Following contributions are made to elementary schools in the region: 1) Electricity debt of İvedik Elementary School is paid. 2) School bags were distributed to the students at the beginning of the year 3) Slide projectors were supplied for Mahmudiye and Üvecik Elementary Schools. In addition to those supports given to the elementary schools, a donation was made to Mahmudiye Sports Club.
Quantitative employment and income generation	The project will provide jobs (however limited) inhabitants of the region during both construction as construction workers and operation stages as security guards. The underprivileged will be given priority during employment. The records of the local authorities, employee records will be the indicators to follow this parameter. In addition to that, the shops and the pool at the village square are re-organized as a support to development of the local economy.
Balance of payments and investment	The project will contribute to the development of the country as the electricity is fed to the national grid. The electricity consumed in the country was 193.3 million MWh³⁴ in 2009 and the project will contribute to 0.04% of that demand, which will have slight impact on energy prices or the balance of payments and could not be monitored.
Technology transfer and technological self-reliance	The construction of the project will be realized with local companies and the electromechanical equipment will be shipped from abroad. The project will enable the latest technology to the country and influence the development of other projects by the local companies.

³⁴ http://www.enerji.gov.tr/index.php?dil=en&sf=webpages&b=elektrik_EN&bn=219&hn=&nm=40717&id=40732

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SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Toolkit Annex I]

No		1
Indicator		Air quality
Mitigation measure		Dust mitigation measures will be implemented to minimize dust generation during construction.
Chosen parameter		Dust dispersion
Current situation of parameter		No dust dispersion
Estimation of baseline situation of parameter		There is no construction activities at the project area.
Future target for parameter		To keep at minimum during construction.
Way of monitoring	How	Audit reports
	When	Quarterly during construction
	By who	Third party consultant

No		2
Indicator		Water quality and quantity
Mitigation measure		Wastewater generated will directly be connected to the sewage of the Municipality.
Chosen parameter		Wastewater connection to the sewage.
Current situation of parameter		None
Estimation of baseline situation of parameter		No wastewater discharge to the environment.
Future target for parameter		No wastewater discharge to the environment.
Way of monitoring	How	Audit reports
	When	Quarterly during construction
	By who	Third party consultant

No		3
Indicator		Soil condition
Mitigation measure		Excavated material and domestic waste will be deposited and disposed properly.
Chosen parameter		Storage of excavated material and waste.
Current situation of parameter		None
Estimation of baseline situation of parameter		No waste or excavated material exists in the field.
Future target for parameter		None
Way of monitoring	How	Audit reports
	When	Quarterly during construction
	By who	Third party consultant

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No		4
Indicator		Soil condition
Mitigation measure		Hazardous waste (waste oil and fuel) will be handled appropriately in closed containers and transported by licensed transporters to the licensed processing and disposal facilities.
Chosen parameter		Storage of hazardous waste.
Current situation of parameter		None
Estimation of baseline situation of parameter		No chemical leakage exists in the project site.
Future target for parameter		No hazardous waste leakage.
Way of monitoring	How	Audit reports
	When	Quarterly during construction and once for each year of operation
	By who	Third party consultant during construction and then the project owner

No		5
Indicator		Soil condition
Mitigation measure		The installation of turbines will be realized without giving any damage to agricultural activities.
Chosen parameter		The installation of turbines
Current situation of parameter		No damage to agricultural activities.
Estimation of baseline situation of parameter		Damage to agricultural activities during turbine installation
Future target for parameter		No damage to agricultural activities.
Way of monitoring	How	Audit reports
	When	Quarterly during construction
	By who	Third party consultant during construction

No	6
Indicator	Other pollutants
Mitigation measure	-Turbines with reduced noise operation systems will be selected. -Positioning will be done in terms of possible noise emissions. -The turbines are equipped with optional noise reduced power operation mode. -Mitigation measures to lower the noise pollution in the nearest houses.

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Chosen parameter		Noise monitoring during daytime and nighttime including the nearest residents.
Current situation of parameter		Below limits allowed by Turkish regulations.
Estimation of baseline situation of parameter		Below limits allowed by Turkish regulations.
Future target for parameter		Limits provided in Regulation on Assessment and Management of Environmental Noise.
Way of monitoring	How	Noise monitoring
	When	Once for each year of operation
	By who	Project site team

No		7
Indicator		Biodiversity
Mitigation measure		-Wind turbines will be painted and lighting will be installed of minimize the risk of bird collision. -Storm water management measures.
Chosen parameter		Number of effected birds and bats
Current situation of parameter		None
Estimation of baseline situation of parameter		No barrier for bird and bat flights
Future target for parameter		None
Way of monitoring	How	Seasonal monitoring (migration periods)
	When	At the end of the first and second year of operation
	By who	Project site team

No		8
Indicator		Biodiversity
Mitigation measure		-New trees are planted for the compensation of trees that were cut during the construction phase. -Compensation is paid.
Chosen parameter		Number of trees planted
Current situation of parameter		Trees are planted
Estimation of baseline situation of parameter		No trees are planted
Future target for parameter		None
Way of monitoring	How	Biodiversity monitoring
	When	At the end of the first and second year of operation
	By who	Project site team

No	9
Indicator	Quality of Employment
Mitigation measure	The project will train all employees on construction and

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		operation of the plant. The project owner is willing to ensure safety at the site.
Chosen parameter		Number of operation related trainings
Current situation of parameter		None
Estimation of baseline situation of parameter		Labour culture as usual.
Future target for parameter		All of the workers will be trained on environmental and health & safety issues.
Way of monitoring	How	Certificates
	When	First year of operation
	By who	Project site team

No		10
Indicator		Livelihood of the poor
Mitigation measure		Resettlement Action Plan to be implemented to ensure that people and enterprises affected by the projects are compensated.
Chosen parameter		Payment of compensation to land owners and affected people without a land title.
Current situation of parameter		None
Estimation of baseline situation of parameter		No land acquisition
Future target for parameter		To be determined by buyer-seller agreements or independent evaluators.
Way of monitoring	How	Completion Audit Report
	When	At the end of first year of operation.
	By who	Third party consultant

No		11
Indicator		Livelihood of the poor
Mitigation measure		N/A
Chosen parameter		Improved sanitation.
Current situation of parameter		Drinking water pipes are made of asbestos-cement pipes.
Estimation of baseline situation of parameter		Undeveloped sanitation
Future target for parameter		Water pipes to be replaced by plastic ones.
Way of monitoring	How	Audit reports
	When	At the end of construction phase
	By who	Third party consultant

No		12
Indicator		Human and institutional capacity
Mitigation measure		N/A

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Chosen parameter		Support to education.
Current situation of parameter		None
Estimation of baseline situation of parameter		No support to education
Future target for parameter		Improved educational activities
Way of monitoring	How	Audit reports
	When	At the end of construction phase
	By who	Third party consultant

No		13
Indicator		Quantitative employment and income generation
Mitigation measure		N/A
Chosen parameter		Number of temporary and permanent jobs created for local people.
Current situation of parameter		If the project was not implemented, no workers would be hired and no extra income would be generated.
Estimation of baseline situation of parameter		Jobless locals
Future target for parameter		Construction workers and security guards to be employed from the neighbouring town and the village.
Way of monitoring	How	Social security records
	When	Once during construction and once in first year of operation.
	By who	Project site team

No		14
Indicator		Quantitative employment and income generation
Mitigation measure		N/A
Chosen parameter		Support to local economical activities
Current situation of parameter		The village square needs improvement to attract tourists for shopping.
Estimation of baseline situation of parameter		None
Future target for parameter		The shops and the pool will be re-organized.
Way of monitoring	How	Audit reports
	When	At the end of construction phase
	By who	Third party consultant

No	15
Indicator	Technology transfer and technological self-reliance
Mitigation measure	N/A
Chosen parameter	Expenditures for imported equipment.

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Current situation of parameter		None
Estimation of baseline situation of parameter		No technology transfer
Future target for parameter		13 turbines exported from Germany
Way of monitoring	How	Purchase contracts for turbines and origin certificates
	When	Once
	By who	Project team

Additional remarks monitoring

SECTION H. Additionality and conservativeness



This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

H.1. Additionality

[See Toolkit 2.3]

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H.2. Conservativeness

[See Toolkit 2.2]



The Gold Standard
Premium quality carbon credits

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ANNEX 1 ODA declaration

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REF:

01.03.2011

GS 906 Çanakkale WPP

To: Gold Standard Foundation

Declaration of Non-Use of Official Development Assistance by Project Owner

As Project Owner of the above-referenced project, acting on behalf of all project participants, we now make the following representations:

I. Gold Standard Documentation

We are familiar with the provisions of Gold Standard Documentation relevant to Official Development Assistance (ODA). We understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance under the condition that some or all credits coming out of the project are transferred to the ODA donor country. We now expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the credits [CERs, ERUs or VERs] issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery.

If we learn or if we are given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the credits generated from the project as a condition of investment, we will make this known to the Gold Standard immediately.

III. Sanctions. We are fully aware that under Section 10 of the Gold Standard Terms and Conditions sanctions and damages may be incurred for the provision of false information related to Projects and/or Gold Standard credits.


Name: GERHARD WEDAM
Title: CEO


Name: FUAT ÖKSÜZ
Title: CFO

On behalf of: ENERJİSA ENERJİ ÜRETİM A.Ş.

