ENVIRONMENTAL AND SOCIAL PERFORMANCE ANNUAL MONITORING REPORT (AMR)

Akfen Renewable Energy Co. Inc.

Turkey

IFC Project Number : 36772

EBRD Project Number : 47631

REPORTING PERIOD: 2018

AMR Completion Date: 5 December 2018

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2018

Akfen Renewable Energy Co. Inc.

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ABBREVIATIONS

AKFEN	:Akfen Renewable Energy
AMR	:Annual Monitoring Report
CMS	:Current Monitoring Station
CSR	:Corporate and Social Responsibility
DSI	:State Hydrolic Works
EAR	:Ecosystem Assessment Report
EBRD	:European Bank For Reconstruction and Development
EHS	:Environment, Health and Safety
EHSS	:Environment, Health, Safety, Social
EMR	:Emergency Response
EMRA	:Energy Market Regulatory Authority
ESAP	:Environmental and Social Action Plan
ESIA	:Environmental and Social Impact Assessment
E&S	:Environment and Safety
ESMS	:Environmental Social Management System
EPC	:Engineering Procurement Construction
ETL	:Energy Transmission Line
FFE	:Fire Fighting Equipment
ICOLD	:International Commission On Large Dams
IFC	:International Finance Coorperation
LTIR	:Indicator that measures a companies Lost-Time Injury Rate and adjust for the number of hours a facility works
MSDS	:Material Safety Data Sheet
NGO	:Non-Governmental Organization
NTS	:Non-Technical Summary
PIF	:Project Information File
SEP	:Stakeholder Engagement Plan
SPP	: Solar Power Plant
TIKAV	:Turkey Human Resources Education And Health Foundation
TRCOLD	:Turkish Grand National Committee of International Large Dams Commission
TRIR	:Indicator that measures companies Total Recordable Injury Rate and adjust for the number of hours a facility works.
TS	:Tranformer Station
WPP	:Wind Power Plant

AMR SECTION I

INTRODUCTION

According to the Investment Agreement of IFC and EBRD, Akfen must prepare an Annual Monitoring Report (AMR) covering its projects, environmental and social (E&S) performance of its own facilities and operations. This document is organized according to IFC and EBRD's preferred format for E&S reporting. The template below can be integrated with the necessary annexes to ensure that all relevant information about the project is reported.

Contents:

- Project Information
- Client's Representation Statement by Sponsor authorized representative
- Summary of key E&S aspects during the Reporting Period
- New Development/ Corporate Financing
- Action Plan Status and Update
- Deviations/non-compliances

All transactions (inspection, training, documentation, reporting, etc.) within the scope of objective preparation of this activity report covering January 2018 – December 2018 period were carried out by Selin Construction Tourism Consulting Industry and Trade Limit Company as third party. Environmental and Social Management System Documents and Quality Management System practises were in progress in 2018. Environmental and Social Management System document was given in AMR 2016.

AMR SECTION II

CLIENT'S REPRESENTATION STATEMENT BY SPONSOR AUTHORIZED REPRESENTATIVE

I, Kayrıl KARABEYOĞLU in my role of General Manager and we, Mustafa Kemal GÜNGÖR, Kürşat TEZKAN and Mehmet YEŞİLKAYA in our role of Assistant General Manager and representing Akfen Company certify that

a) The Project is in compliance with all applicable E & S Requirements as described in the investment contract and all actions required to be undertaken pursuant to the Environmental and Social Action Plan (ESAP) and any subsequent supplemental action plans with the exception made for those that have been disclosed in Section Seven (VI) in this report.

b) Beyond what is reported in this AMR for the current reporting period, in relation to the Project, to the best of my knowledge , after due inquiry, there are no:
- Circumstances or occurrences that have given or would give rise to violations of E&S and Labor Law or E&S and labor claims;
- Social unrest, local population disruption or negative NGO attention due to the project
- Material social or environmental risks or issues in relation to the Project other than those identified by the E&S Assessment and the Environmental and Social Review Summary.
- Existing or threatened complaint, order, directive, claim, citation or notice from any authority.
- Any written communication from any person , in either case, concerning the Project's failure to comply with any matter covered by the Performance Standards;
- Ongoing or threatened, strikes, slowdowns or work stoppages by employees of the obligor or any contractor or subcontractor with respect to the Project;

c) All information contained in this AMR is true, complete and accurate in all respects at the time of submission and no such document or material omitted any information the omission of which would have made such document or material misleading.

d) There have not been any new company activities (eg. expansions, construction works, etc.) that could generate adverse environmental effects. There have been no new ESIA studies, audits, or E&S action plans conducted by or on behalf of Akfen, with respect to any Environmental or Social standards/regulation/ applicable to the Project that IFC and EBRD has not been notified of.

05.12.2018

Kayrıl KARABEYOĞLU
General Manager

Mustafa Kemal GÜNGÖR
Assistant General Manager

Kürşat TEZKAN
Assistant General Manager

Mehmet YEŞİLKAYA
Assistant General Manager

AMR SECTION III

SUMMARY OF KEY E&S ASPECTS DURING THE REPORTING PERIOD

This section aims to identify the key E&S progress/activities/incidents during the reporting period (include Summary of Key Findings for the Reporting Period e.g. non-compliances, significant incidents[1], social unrest, significant improvements/initiatives regarding E&S performance etc.)

Project Status

Select the current status of the project and provide a brief description of the developments in relation to the project over the reporting period. For example, construction has been started or completed, has new equipment been installed, has production capacity increased, is the investment in new projects considered? Please use annexes as needed.

The Company's current projects in 2018 are given in the table below. Photographs of the power plants that were commissioned in 2018 are given in Photograph 1.

AKFEN RENEWABLE ENERGY PROJECTS								
No	**Project Name**	**Project Status**						
		Design	**Construction**	**Capacity increase**	**Operation**	**Closure**	**Other**	**Statement**
Projects In The Operation								
1	OTLUCA HEPP				✓			
2	SIRMA HEPP				✓			
3	SEKİYAKA II HEPP				✓			
4	DEMİRCİLER HEPP				✓			
5	KAVAKÇALI HEPP				✓			
6	GELİNKAYA HEPP				✓			
7	SARAÇBENDİ HEPP				✓			
8	ÇAMLICA III DAM and HEPP				✓			
9	DORUK HEPP				✓			
10	YAĞMUR HEPP				✓			
11	DOĞANÇAY HEPP				✓			
12	ÇALIKOBASI HEPP				✓			It started operation in 2018.
13	SOLENTEGRE SPP				✓			
14	SOLENTEGRE SPP (0,5 MW)				✓			
15	DENİZLİ SPP PROJECTS				✓			

AKFEN RENEWABLE ENERGY PROJECTS								
No	**Project Name**	**Project Status**						
		Design	**Construction**	**Capacity increase**	**Operation**	**Closure**	**Other**	**Statement**
16	AMASYA SPP PROJECTS				✓			
17	TOKAT SPP PROJECTS				✓			
18	OMICRON ENGİL 208 SPP				✓			It started operation in 2018.
19	OMICRON ERCİŞ SPP				✓			It started operation in 2018.
20	ME-SE SPP				✓			It started operation in 2018.
21	MT SPP				✓			It started operation in 2018.
22	YAYSUN SPP 0,5 MW				✓			
23	YAYSUN SPP 9,98 MW				✓			It started operation in 2018.
24	AKFEN YENİLENEBİLİR SPP				✓			
Construction Works Ongoing Projects								
25	ÇİÇEKLİ HEPP		✓					Construction Works are ongoing.
26	HASANOBA WPP		✓					Construction Works are ongoing.
27	KOCALAR WPP		✓					Construction Works are ongoing.
28	ÜÇPINAR WPP		✓					Construction Works are ongoing.
29	DENİZLİ WPP		✓					Construction Works are ongoing.
Pre-Construction Works Ongoing Projects								
30	PSI ENGİL 207 SPP	✓						License was obtained, EPC tender proocess is ongoing.
31	FIRINCI SPP	✓						Preliminary license was taken, studies are ongoing to obtain a license

Table 1- Akfen Projects

New investment under development? ☐Yes ☒ No
Please provide details in section IV of this AMR report.

There is no new investments in 2018.

Çalıkobası HEPP

Yaysun SPP

MT SPP

Omicron Engil 208 SPP and Omicron Erciş SPP

ME-SE SPP

Üçpınar ETL

Kocalar WPP first pole

Photograph 1- Operations were commissioned in 2018

PK1, PS1: Assessment and Management of Environmental and Social Risks and Impacts

Please provide details on the status of the following voluntary management systems certification schemes at your facilities, provide details below. Please complete separate tables as needed.

	Not being considered	Future consideration	Planning to implement	Currently implementing	Successfully implemented	Date of certification/ re-certification
ISO 9001 - Quality Management System	☐	☐	☐	☐	☒	25.01.2017
ISO 14001 – Environment Management System	☐	☐	☐	☐	☒	25.01.2017
OHSAS 18001 – Occupational Health and Safety Management System	☐	☐	☐	☐	☒	01.02.2017
ISO 50001 - Energy Management System	☐	☐	☐	☐	☒	01.02.2017

Table 2- Management Systems

ISO 9001 Quality Management System, ISO 14001 Environmental Management System, OHSAS 18001 Occupational Health and Safety Management System and ISO 50001 Energy Management System implementation are going on in Akfen Head Office and at plants in operation. At construction sites of our HEPP and WPP projects, contractors performance is under control according to our Quality System. When plants started to operate, quality system implementations were started and staff was trained.

At the same time, SAP Program is used for professional budget-reporting in relation to accounting and finance issues. The ID-MACRO program is used for documentation following and archive systems. Thus, documentation records are kept systematically in electronic environment by m-files program,

Describe any changes in the organizational structure to manage environment, health and safety, labor and social aspects during the reporting period. Describe number of personnel in charge of E&S and OHS issues.

There is a change in our environmental, social and OHS organization in 2018.Socail Relations Specialist is included in organization chart (See Figurel 1). Akfen's environmental, social and OHS organization structure is given below. In head office, there are 5 specialist personnel for environment, social and OHS applications. Environment and OHS Manager together with environmental, OHS, social and public relations experts are responsible for head offic and plant imlementations.

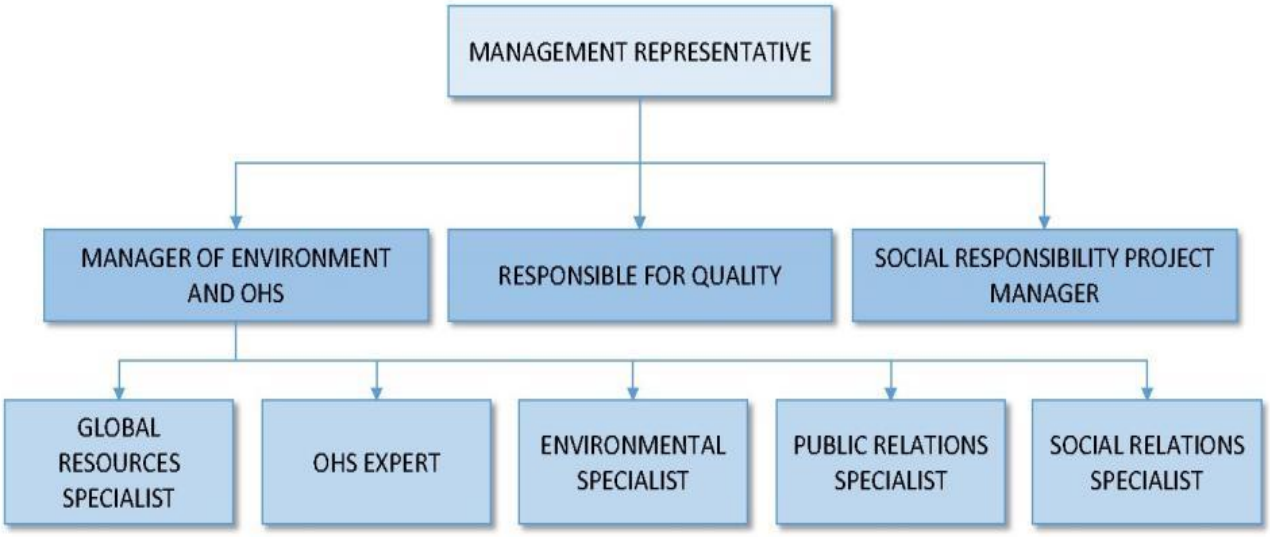


Figure 1 Organizaton Chart

Experienced experts have been working for implementations and audits of operations and construction sites for environmental and social and OHS aspects.

In all projects, the OHS law number 6331 has been fulfilled and the OHS experts, workplace doctors and medical staffs have been appointed in the legal period. In addition to this, consultancy service has been taken from experienced and competent environment, occupational safety and social advisors.

In 2018;the total number of environment and OHS specialists working for the Akfen head office, operations, constructions is 42 and the number of social experts is 5. Total number of workplace doctors appointed by making contract with Common Health and Safety Units in plants and constructions is 25 and medical staffs is 25. During the reporting period, a company also provided consultancy services on environment, social and OHS in the Akfen head office, plants and construction sitess. The total number of consultants is 33. Biodiversity studies were conducted by academicians and experts by whom projects and reports were prepared. A total of 16 academicians and experts took part in biodiversity studies. In 2018, a total of 146 people worked on environmental-social-OSH and biodiversity subjects.

The distribution of the number of personnel taking part according to project type, stage and profession during reporting period is given in Table 3.

Project	Stage	Areas Of Expertise						TOTAL
		HSE Expert	Social Expert	Workplace Doctor	Medical Staff	Environment-Social-OHS Consultant	Biologist Academisian and Expert	
HEAD OFFICE	Operation	3	2	1	1	14	0	21
WPP	Construction	10	0	1	1	3	4	19
SPP	Construction	5	3	3	3	6	4	24
SPP	Operation	4	0	3	3	1	1	12
HEPP	Construction	2	0	1	1	2	0	6
HEPP	Operation	14	0	12	12	1	2	41

Project	Stage	Areas Of Expertise						TOTAL
		HSE Expert	Social Expert	Workplace Doctor	Medical Staff	Environment-Social-OHS Consultant	Biologist Academisian and Expert	
ETL	Construction	4	0	4	4	6	3	21
ETL	Pre-Construction	0	0	0	0	0	2	2
TOTAL		42	5	25	25	33	16	146

Table 3- Personnel Distribution of Environment, Social, OHS, Biological Diversity Works

Explain the level of environmental, social, health and safety training provided to staff. Provide an annex of topics, the number of training hours, and the number of participants.

All personnel working in Akfen have been given general awareness trainings in environmental social, health and safety issues in 2018. Apart from this, special trainings have been given in the fields of the risky applications and related security precautions in accordance with the characteristics of the work they are doing. Training topics are primarily determined by national legislation requirements and IFC-EBRD standards. In addition, ISO 9001 Quality, ISO 14001 Environment, ISO 50001 Energy and OHSAS Occupational Health and Safety Management Systems were introduced and implemented. The environmental, social, health and safety trainings are given to the staffs in the Akfen Center, operating plants and the construction sites in the context of the Table.4 and training records are also given in Annex 1.

The following table summarizes the training subjects, total duration and the number of personnel involved in all our operating plants and construction sites in 2018.

AKFEN RENEWABLE ENERGY YEAR 2018 TRAININGS				
No	PROJECT NAME	ENVIRONMENT AND OHS TRAINING SUBJECTS (Occupational Health and Safety Trainings, Electrical Hazards Training, Emergency Response Training and Training for EMR Teams, Environmental Awareness Training, etc.)	TRAINING DURATION (minutes)	NUMBER OF STAFF PARTICIPATING IN TRAINING (average)
1	OTLUCA HEPP	✓	1290	18
2	SIRMA HEPP	✓	900	8
3	SEKİYAKA HEPP	✓	1090	9
4	DEMİRCİLER HEPP	✓	1290	9
5	KAVAKÇALI HEPP	✓	1260	11
6	GELİNKAYA HEPP	✓	1140	7
7	SARAÇBENDİ HEPP	✓	1530	16
8	ÇAMLICA III DAM and HEPP	✓	1410	12
9	DORUK HEPP	✓	1620	13
10	YAĞMUR HEPP	✓	1590	12
11	DOĞANÇAY HEPP	✓	1350	20
13	SOLENTEGRE SPP		600	3

AKFEN RENEWABLE ENERGY YEAR 2018 TRAININGS				
No	**PROJECT NAME**	**ENVIRONMENT AND OHS TRAINING SUBJECTS (Occupational Health and Safety Trainings, Electrical Hazards Training, Emergency Response Training and Training for EMR Teams, Environmental Awareness Training, etc.)**	**TRAINING DURATION (minutes)**	**NUMBER OF STAFF PARTICIPATING IN TRAINING (average)**
14	SOLENTEGRE SPP (0,5 MW)	✓	600	3
15	AKFEN YENİLENEBİLİR GES	✓	600	3
16	YAYSUN SPP	✓	1485	11
17	DENİZLİ SPP PROJECTS	✓	870	4
18	AMASYA SPP PROJECTS	✓	150	5
19	TOKAT SPP PROJECTS	✓	120	5
20	ÇALIKOBASI HEPP	✓	1260	11
21	ÇİÇEKLİ HEPP	✓	3720	8
22	MT SPP	✓	2215	15
23	ME-SE SPP	✓	330	18
24	OMİCRON ERCİŞ SPP	✓	1020	25
25	OMİCRON ENGİL 208 SPP	✓	3975	13
26	ÜÇPINAR WPP - KOCALAR WPP	✓	60	47
27	DENİZLİ WPP	✓	390	17
28	AKFEN HEAD OFFICE	✓	480	16
29	YAYSUN SPP-EREĞLİ TS ETL	✓	960	43
30	HASANOBA WP-TS ETL	✓	270	15
31	ÜÇPINAR WPP TS-ÇANAKKALE HAVZA 1 TS ETL	✓	180	11
32	DENİZLİ WPP -TAVAS TS ETL	✓	240	30
33	ME-SE SPP -LADİK TS ETL	✓	960	4

Table 4- Trainings in 2018

The photographs below are from trainings given at plants and construction sites in 2018.

Photograph 2- Examples of Training sessions

During the reporting period, are you aware of any events that may have caused damage; brought about injuries or fatalities or other health problems; attracted the attention of outside parties; affected project labor or adjacent populations; affected cultural property; or created liabilities for your company?

☒Yes ☐ No

Provide details

In the year 2018, the following accidents were happened and recorded. The accident reports are given in Annex-2.

No	Operation/Site Name of the accident	Accident Date	Accidentlocation(Is it inside or outside the operation/site?)	Accidental Loss			
				Number of people living with injuries / health problems	Number of fatality	Property damage	Impacts on Cultural Assets
1	ÜÇPINAR WPP	27.06.2018	Construction Site (Wrist Sprain)	1	No	No	No
2	KOCALAR WPP	23.07.2018	Construction Site (Foot Jam)	1	No	No	No
3	OMİCRON ERCİŞ SPP*	04.08.2018	Construction Site (Stumble And Fall)	1	No	No	No
4	OMİCRON ERCİŞ SPP*	05.08.2018	Construction Site (Finger Printing And Cutting)	1	No	No	No
5	YAYSUN SPP*	04.10.2018	Out Of Construction Site (Traffic Accident)	3	No	No	No

***** **Accidents occurred in marked projects took place during the construction phase of these projects. The values of LTIR and TRIR were calculated according to the man-hour data of construction phase of these projects.**

Table 5- Accident Data in 2018

Describe any ongoing public consultation and disclosure, liaison with non-governmental organizations (NGOs), civil society, local communities or public relations efforts on environmental and social aspects.

The Company participated and met with sector representatives in the 9th Energy Efficiency Forum and Fair on 29-30 March 2018. Photograph 3 shows images from social media posts about forums and operations.

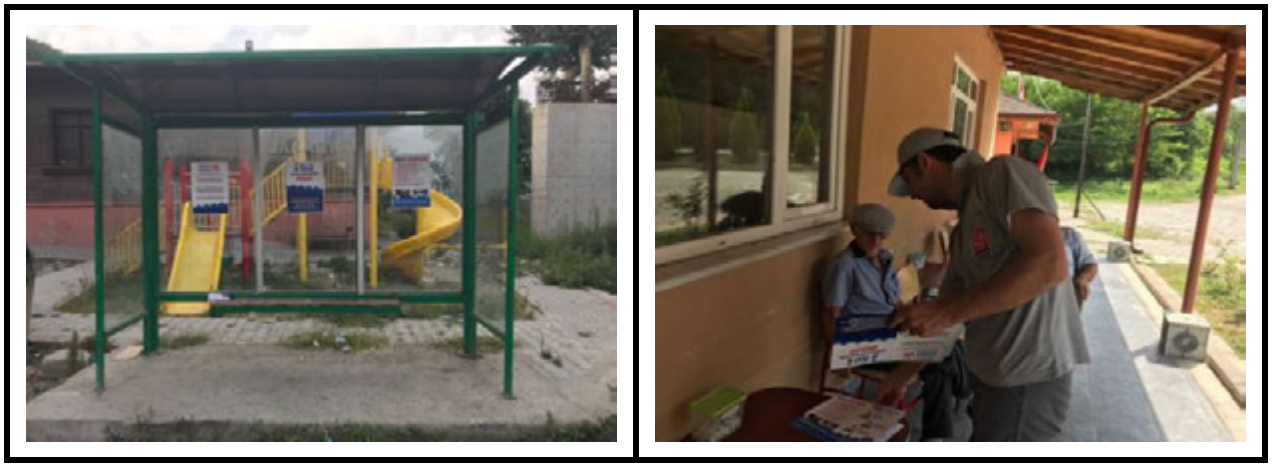
Photograph 3- Images from social media posts

Non technical summaries containing information about all projects under construction and pre-construction phase are published at the Company' s website (www.akfenren.com.tr). During this period public participation and information meetings were held in order to inform the stakeholders at following projects locations (See Photograph 5):

- Omicron Erciş SPP
- Omicron Engil 208 SPP
- Yaysun SPP
- Yaysun SPP TS-Ereğli TS ETL
- MT SPP
- ME-SE SPP
- Üçpınar WPP
- Üçpınar WPP-Çanakkale Havza-1 TS ETL
- Denizli WPP
- Denizli WPP-Tavas TS ETL
- Hasanoba WPP
- Kocalar WPP

Prepared brochures were distributed during the information meetings to the local people. Brochures are given in Annex 5.

Brochures for Doğançay, HEPP which is situated in the Sakarya Province, were distributed to local people for information within the scope of State Water Works Directorate's Environmental Security and Warning Implementations Project. In addition, posters was prepared and hung on the bus stops. Examples are given in Photograph 4. Photograf 5 shows images from publıc participation meeting.



Photograph 4 - Doğançay HEPP brochures and posters

Images from the public participation meeting for MT and Yaysun SPP

Images from the public participation meeting for MT and Yaysun SPP

Images from the public participation meeting for ME-SE SPP

Images from the public participation meeting for Omicron Engil SPP (Van Province, Çiçekli District)

Images from the public participation meeting for Omicron Erciş SPP (Van Province)

Images from the public participation meeting for Üçpınar WPP

Images from the public participation meeting for Denizli WPP

Images from the public participation meeting for Denizli WPP-Tavas Substation kV 1272 ETL Construction (Tavas District)

Images from the public participation meeting for Hasanoba WPP

Images from the public participation meeting for ETL for Üçpınar WPP

Photograph 5- Images from public participation meetings for SPP and WPP Projects

Our main goal is to establish good relations with our stakeholders at all levels of the projects and carry out our activities in good faith by exchange of mutual information. Our social responsibility activities in 2018 at regions where our projects are located are given in Table 6.

Project	Social Responsibility Activities
Sekiyaka HEPP	Financial aid was provided to Seydikemer Municipality to be use in Söğütlüdere Neighborhood in the framework of a protocol.
Demirciler HEPP	Financial support was given for Kale Science Festival (together with Science Festival of The Scientifi and Technological Resaerch Council of Turkey) and annual maintenance and repair work for Demirciler Village irrigation channel.
Otluca HEPP	A refrigerator was purchased for Güney Bahşiş Village School.
Çamlıca III HEPP	Financial support was provided for the Balcıçakırı Mosque in order to get carpets to the mosque. In addition,food aid was provided with a sacrifice also.
Saraçbendi HEPP	Financial support was provided to Gemerek District Gendarme Command.
Doruk HEPP	Financial and worker support was provided for Baybahan Plateau Mosque for solar power plant installation. A stainless steel chrome pipe was provided for maintenance work of mill in the Kızıltaş Village Hacı District.
Çiçekli HEPP	Financial support was provided for the village house.
Doğançay HEPP	Financial support was provided for Karaçam Village Headman, Doğançay Village Headman, Örencik Village Headman and Kızılkaya Village Headman.
Solentegre SPP	Financial support was provided for Şahinkaya village legal entity. Financial support was provided for Elazığ Special Provincial Administration Women's Basketball Team.
Tokat SPP Projects	The village headquarter was renovated. Concrete was poured in front of the village headquarter, the exterior of the building was painted, plantation was made and the event was opened with a meal. Thus, a social activity area was provided to the village. A solar energy panel was mounted foroperation of electric water pump, by the way electric bill was reduced at every house.
Denizli SPP Projects	Financial support was made for iftar dinner at the Yeşildere Village and traditional dinner at the Yeniköy Village
Yaysun SPP	An organization was prepared at the Zengen Village Municipality Garden with partipication of 400 villagers. Wire fence supply was provided for gendarmerie garden fences. Greenhouse wastes, sachets and glass bottles at the surrounding construction areas were collected and cleaned.
MT SPP	Three broken lanes on the road directs to SPP sites, goat farms and orchards have been altered and road arrangements were done. In front of the Büyük Mosque at the Zengen District a resting area was made for the public to get rest before the pray. The basketball hoop, football castle, volleyball file and sports equipment will be purchased at the Primary School in Zengen District. Welfare activities were done for Zengen Secondary School, Zengen Primary School, Zengen Technical Anatolian High School and Zengen Health Center on behalf of social responsibility. Workshop in Zengen Technical High School was completely refurbished. Security camera system was installed at Zengen Middle School. Many contributions were made such as computer, photocopy machine and library aids at Zengen Primary School. A generator cooled refrigerated-medicine cabinet was provided to Zengen Health Center. Awareness has been raised by distribution of spruce saplings to students and local people in order to highlight the importance of planting trees for a more beautiful Zengen. Sport equipments were donated to Zengen primary school.

Project	Social Responsibility Activities
ME-SE SPP	Uniforms and shoes were donated to members of Karatepe Village Young Football Team. Construction equipment and personnel were supplied to Karatepe village, according to the demands of villagers. Financial aid was provided for the renovation of Karatepe Village House and Village Headman' s House. Playground and social area have been constructed to Karatepe Village for social activities. Sports equipment such as uniforms and shoes were donated to Sarayönü Municipality.
Omicron Engil 208 SPP	300 pieces of seedlings were donated to Edremit Municipality. According to the request of the Municipality of Edremit, dinner was given to local people .
Omicron Erciş SPP	A sports complex was donated to Kıyıcak Primary School and all of the renovation works carried out by Akfen Renewable Energy. Akfen values children within the scope of social responsibility projects. Restoration works were carried out in the heating systems, doors and windows that were worn out as a result of the aging of Kıyıcak Elementary School. At the same time, all classes in the school corridors were painted to ensure a healthy appearance. Akfen has been revealed the sensitivity to children with these social projects. A sports complex was built in the schoolyard where children can play all the time. In addition to them a grass football field, basketball court, volleyball court, camellia, playground and landscaping works were done at the school. In accordance with the requests made by the residents of Kıyıcak Village, work machines were provided at various times. Office materials and glass were provided to Edremit District Gendarmerie Command.
Üçpınar WPP	Financial aid was provided for mosque and cemetery. Umurbey social facilities were renovated, a picnic area was arranged and a swimming pool was made.
Hasanoba WPP	Tables and chairs were provided in Hasanoba İntepe village for use in social activities. İntepe village children park construction has been continued.
Denizli WPP	In order to support the natural beekeeping activities in the region, the local community has been informed to establish a beekeeping cooperative by cooperating with the institutions.

Table 6 - List of works in the context of social responsibility during 2018

Local newspaper clippings about the social responsibility works made by the Company are given in Photograph 6-13.

Milliyetçi Hareket Partisi (MHP) Tokat Milletvekili Av. Yücel Bulut:

ÇAMLIBEL YENİDEN İLÇE OLMALI!

Milliyetçi Hareket Partisi Tokat Milletvekili Av. Yücel Bulut, ilk kanun teklifini 1944 yılında ilçe vasfı kaldırılan Çamlıbel'in iade-i itibar yapılması amacıyla ilçe olması için Türkiye Büyük Millet Meclisine verdi. Ak Parti ve CHP Tokat Milletvekillerinin de desteklemesi beklenilen kanun teklifi meclisten geçer ise Çamlıbel 74 yıl sonra yeniden ilçe olacak. 2

Kanal Tokat minikleri ağırladı

Tokat Belediye Başkanı Eyüp Eroğlu Sevgi Evlerinde kalan çocuklarla birlikte Kanal Tokat'ı gezerek Osmanlı kayıklarıyla gezintiye çıktı. Başkan Eroğlu Osmanlı Kayıklarıyla yapılan gezide çocuklarla birlikte Hey Onbeşli ağıtını söyledi. Çocuklarla yakından ilgilenen Başkan Eroğlu, öğrencileri ağırlamaktan mutlu olduğunu belirterek, "İstiyoruz ki geleceği emanet edeceğimiz çocuklarımız daha donanımlı olsun milli olsun. Ülkemizi daha iyi yerlere getirmeleri için gayret ediyoruz" dedi. 2

TOKAT HABER
tel&fax: 0 356 212 55 55
tokathaber.com.tr
Yıl:10 Sayı:3885 08 EKİM 2018 PAZARTESİ Günlük Siyasi Gazete Fiyatı: 40 Krş.

AKFEN PROJELERİYLE ADINDAN SÖZ ETTİRİYOR

BÖLGEYE VE İNSANA YATIRIM

Turhal'ın Kuşoturağı köyüne yaklaşık 20 bin insanın elektrik ihtiyacını karşılayabilecek 5 megavatlık güneş enerji sistemleri kuran Akfen Yenilenebilir Enerji, sosyal sorumluluk projeleri kapsamında bölge insanına da değer vererek rahat yaşam olanağı sağlıyor.

5 MEGAVATLIK GÜNEŞ ENERJİ SİSTEMİ

Akfen Yenilenebilir Enerji, projeleriyle adından söz ettirirken yapmış olduğu sosyal sorumluluk projeleriyle de adını duyuruyor. HES, RES ve GES alanlarında faaliyet gösteren Akfen Holding bünyesindeki Akfen Yenilenebilir Enerji Tokat'ın Turhal ilçesinde ki Kuşoturağı köyüne 5 megavatlık güneş enerji sistemleri kurdu. Yaptığı yatırımlarla yetinmeyip bölge insanına da değer veren Akfen, bu kapsamda Kuşoturağı köyü sakinlerinin, içme suyu kuyusunun elektrikli pompasına güneş enerji sistemi kurdu ve hane halkının her ay ödemiş olduğu elektrik faturasına katkı sağladı.

YEREL EKONOMİYE KATKI SAĞLIYOR

Köy konağı ve muhtarlık sosyal tesisinin açılışına katılan Akfen Holding iştiraki Akfen yenilenebilir Enerji bünyesinde Çevre Yönetimi ve Halkla İlişkiler Müdür Yardımcısı olarak görev yapan Burak Solmaz, köylülerle tek tek ilgilenerek onların sorunlarını dinledi. Yemek organizasyonu sonrasında açılış programında çocuklara çeşitli oyuncak ve hediyeler dağıtan Solmaz, gazetemize değerlendirmelerde bulunarak Akfen Holding ve iştiraki olan Akfen yenilenebilir enerji hakkında bilgiler verdi. Solmaz, yerel ekonomiye katkı sağlarken, istihdama da katkı sağladıklarını ifade etti.

Sırrı Süner 4

Öncelikle Kuşoturağı köyü sakinlerinin, içme suyu kuyusunun elektrikli pompasına güneş enerji sistemi kuran Akfen, geçtiğimiz günlerde ise köy muhtarlığı ve köy konağı olarak kullanılan ve insanların düğün, bayram gibi kültürel aktivitelerini gerçekleştirebilecekleri bir binayı ve avlusunu köylülere kazandırarak kamu kullanımına ilişkin çok amaçlı bir sosyal tesis yarattı.

'Türk Dünyasına Genç Bakış Çalıştayı' yapıldı

Tokat Gençlik ve Spor İl Müdürlüğü Gençlik Merkezinde Türk Dünyasına Genç Bakış çalıştayı düzenlendi. İki gün sürecek olan çalıştayın ilk gününde, Türk dünyası olarak adlandırılan coğrafyada bulunan ülkelerin temel olarak siyasi, askeri, ekonomik ve sosyal alanlardaki sorunlarına ve eksikliklerine rasyonel yaklaşımla, akıl ve mantık çerçevesinde uygulanabilir çözümler sunulması hedeflendi. 6

Polisi alarma geçiren valiz

Tokat'ta Cumhuriyet İlkokulu yanındaki sokakta kaldırıma bırakılan valiz korkuttu. Valizin Irak uyruklu bir kadına ait olduğu ortaya çıktı. Murat Onur 3

Oynarken ırmağa düşen Cihan öldü

Sulusaray'da, ırmak kenarında oynarken suya düşen Cihan Aydın yaşamını yitirdi. 3

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08 Ekim 2018 Pazartesi
GÜNLÜK SİYASİ GAZETE

Akfen'den bölgeye ve insana yatırım

Turhal'ın Kuşoturağı köyüne yaklaşık 20 bin insanın elektrik ihtiyacını karşılayabilecek 5 megavatlık güneş enerji sistemleri kuran Akfen Yenilenebilir Enerji, sosyal sorumluluk projeleri kapsamında bölge insanına da değer vererek rahat yaşam olanağı sağlıyor. Öncelikle Kuşoturağı köyü sakinlerinin, içme suyu kuyusunun elektrikli pompasına güneş enerji sistemi kuran Akfen, geçtiğimiz günlerde ise köy muhtarlığı ve köy konağı olarak kullanılan ve insanların düğün, bayram gibi kültürel aktivitelerini gerçekleştirebilecekleri bir binayı ve avlusunu köylülere kazandırarak kamu kullanımına ilişkin çok amaçlı bir sosyal tesis yarattı.

Haber: Sem Sürer

Akfen Yenilenebilir Enerji, projeleriyle adından söz ettirirken yapmış olduğu sosyal sorumluluk projeleriyle de adını duyuruyor. HES, RES ve GES alanlarında faaliyet gösteren Akfen Holding bünyesindeki Akfen Yenilenebilir Enerji Tokat'ın Turhal İlçesinde ki Kuşoturağı köyüne 5 megavatlık güneş enerji sistemleri kurdu. Yaptığı yatırımlarla yetinmeyip bölge insanına da değer veren Akfen, bu kapsamda Kuşoturağı köyü sakinlerinin, içme suyu kuyusunun elektrikli pompasına güneş enerji sistemi kurdu ve hane halkının her ay ödemiş olduğu elektrik faturasına katkı sağladı. Geçtiğimiz günlerde ise köy muhtarlığı ve köy konağı olarak kullanılan ve insanların düğün, bayram gibi kültürel aktivitelerini gerçekleştirebilecekleri bir binayı ve avlusunu köylülere kazandırarak kamu kullanımına ilişkin çok amaçlı bir sosyal tesis yarattı. Bir diğer sosyal sorumluluk projesi olarak ise önümüzdeki günlerde holding iştiraki TİKAV koordinatörlüğünde ve Akfen Yenilenebilir Enerji A.Ş. finansörlüğünde uygulanacak "Önce Sağlık Projesi" kapsamında 18 yaş üstü kadınlara ilkyardım, temel sağlık, kanser taraması, muayene rutinleri, kadın hastalıkları ve organ bağışı ile ilgili uygulamalı bir seminer verilerek ailenin temeli olan kadınların sağlık konusundaki farkındalıkları artırılacaktır.

Köy konağı ve muhtarlık sosyal tesisinin açılışına katılan Akfen Holding iştiraki Akfen yenilenebilir Enerji bünyesinde Çevre Yönetimi ve Halkla İlişkiler Müdür Yardımcısı olarak görev yapan Burak Solmaz, köylülerle tek tek ilgilenerek onların sorunlarını dinledi. Yemek organizasyonu sonrasında açılış programında çocuklara çeşitli oyuncak ve hediyeler dağıtan Solmaz, gazetemize değerlendirmelerde bulunarak Akfen Holding ve iştiraki olan Akfen yenilenebilir enerji hakkında bilgiler verdi.

Akfen yenilenebilir Enerji bünyesinde Çevre Yönetimi ve Halkla İlişkiler Müdür Yardımcısı olarak görev alan Burak Solmaz, Kuşoturağı köyünde işletmeye almış oldukları Güneş Enerji santralinin sosyal sorumluluk projesi kapsamında köy muhtarlığı ve köy konağı sosyal tesislerinin açılışı için burada olduklarını söyleyerek, kamu yararına kültürel aktivitelerin gerçekleştirileceği, beton zemin uygulaması ile geniş bir alan yaratılan ve ağaçlandırılan köy konağımızın ve

avlusunun düğün, cenaze, bayram, toplantı gibi çok amaçlı hedefler için tasarlandığından bahsetti.

Türkiyede yapmış oldukları diğer yatırımlara da değinen Solmaz, yerel ekonomiye katkı sağlarken, istihdama da katkı sağladıklarını ifade etti. Burak Solmaz açıklamasını şöyle sürdürdü.

"Türkiye'de Çanakkale'den Van'a, Giresun'dan Mersin'e kadar birçok bölgede HES, RES ve GES yatırımları olmak üzere yenilenebilir enerji konusunda birçok bölgede hem yenilenebilir enerji santrallerinin inşaatlarını sürdürmekte hem de işletmede olan santrallerimizin üretim çalışmalarını yönetmekteyiz. Yönetim kurulu Başkanımız Sayın Hamdi Akın önderliğinde Türkiye'de birçok bölgede yenilenebilir enerji kapsamında projeler üretmekteyiz. Neden yenilenebilir enerji? Çünkü çevreye, doğaya ve insana saygısı olan, kaynak tüketimi olmaksızın havaya, suya, toprağa zararı olmayan projeler. Türkiye'nin birçok bölgesinde projelerimizi devreye aldık. En son Konya Ereğli'de 30 megavat , Van Edremit'te 20 megavat lisanslı olmak üzere 50 megavat güneş enerji santralimizin kabulünü gerçekleştirdik. Yakın süreç içerisinde 20 megavat daha güneş enerji projemizin Enerji ve Tabii Kaynaklar Bakanlığı kabullerini gerçekleştireceğiz. Aynı zamanda şuanda Çanakkale ve Denizli'de 242 megavat olmak üzere Rüzgar Enerji Santrallerinin (RES) inşaatını yapmaktayız. Akfen Yenilenebilir Enerji, uluslararası platformda saygınlığı olan ortakları IFC ve EBRD ile birlikte çoğu ilimizde faaliyet göstermekte ve yerel ekonomiye katkı sağlayarak istihdam artışında önemli rol oynamaktadır. Tamamen yenilenebilir enerji konusunda faaliyet gösteren Akfen Yenilenebilir Enerji, 1000 mw toplam kurulu güç hedefine ulaşma doğrultusunda emin adımlarla ilerleyecek ve ülke ekonomisine katkı sağlamayı sürdürecektir"

Photograph 6- Social Aids in Tokat Province

AKFEN GÖNÜLLERDE TAHT KURUYOR

Türkiye'nin birçok il ve ilçesinde hayata geçirdiği yenilenebilir enerji projeleri ile ismini sıklıkla duyuran Akfen Yenilenebilir Enerji A.Ş. Ereğli'ye bağlı Zengen mahallesinde ki yürüttüğü sosyal sorumluluk projeleri ile de dikkatleri üzerine çekiyor.

Photograph 7- Social Aids in Konya Province

YENİ Haberin Bölgesel Gücü
www.yenidogugazetesi.com
DOĞU
Doğunun Günlük Bölgesel Gazetesi
GAZETESİ
Yıl: 1 Sayı: 242 | 30 Ekim 2018 Salı | 75 Kuruş

CUMHURİYET 95 YAŞINDA!

Cumhuriyetin 95. yıl dönümü Türkiye genelinde düzenlenen törenlerle kutlandı. Doğu Anadolu Bölgesi'nin önemli şehirleri Van, Erzurum, Malatya'nın yanı sıra 14 ilde kutlamalar ile cumhuriyetin kuruluşu kutlandı.

29 Ekim Cumhuriyet Bayramı'nın 95. yıl dönümü Türkiye'nin 81 ilinde düzenlene törenlerle kutlandı. Türkiye genelinde olduğu gibi Doğu Anadolu Bölgesi'nde sabah saatlerinde başlayan kutlamalar kapsamında Cumhuriyetin kuruluşu kapsamında çok sayıda etkinlik düzenlendi. Van'daki tören, Cumhuriyet Caddesi'nde Vali ve Büyükşehir Belediye Başkan Vekili Murat Zorluoğlu ile Van Jandarma Asayiş Kolordu Komutanı Tümgeneral Hacı İlbay'ın halkı selamlamasıyla kutlamalar başlarken, Erzurum'da ise 29 Ekim Cumhuriyet Bayramı dolayısıyla Havuzbaşı'ndaki Atatürk Anıtı önünde tören düzenlendi. Erzurum ve Van'ın yanı sıra Doğu Anadolu Bölgesi'nde yer alan 14 ildeki kutlamalar ile Cumhuriyet Bayramı kutlanarak, Mustafa Kemal Atatürk'te anıldı.

AKFEN'DEN VAN'A BÜYÜK DESTEK!

Van'da devasa bir projeyi hayata geçiren Akfen Yenilenebilir Enerji, sosyal sorumluluk projesi kapsamında, Edremit ilçesine spor kompleksi kazandırdı. Kompleksin yanı sıra okulun tüm tadilatı da Akfen tarafından yapıldı.Van'ın Edremit İlçesi Koyucak Mahallesi üst kotlarında yaklaşık 100 bin 000 insanın elektrik ihtiyacını karşılayabilecek 20 megawatlık güneş enerji sistemleri kuran Akfen Yenilenebilir Enerji, sosyal sorumluluk projesi kapsamında Koyucak Lions İlkokuluna spor kompleksi kazandırdı. Proje kapsamında kompleksin yanı sıra okulun tüm tadilat işlemleri de Akfen tarafından yapıldı.SAYFA 2'DE

FEDERASYONLAR 'DONAT'DEDİ

Merkezi İstanbul Beylikdüzü'nde bulunan Van Dernekler Federasyonu (VAN FED) 5. Olağan Genel Kurulu yapıldı. Seçimde mevcut Başkan Fevzi Donat güven tazeledi. Vanlıların sosyal yardımlaşma ve dayanışmalarını sağlamak, Van'ın kültürel tanıtımı ve değerlerinin yaşatılmasına katkı sunmak üzere faaliyet gösteren Van Dernekleri Derneği ile kurulan Van Dernekler Federasyonu olağanüstü genel kurulu gitti yapılan seçimde mevcut Başkan Fevzi Donat güven tazeledi. 3 adayın yarıştığı seçimli kongrede yıadamı Fevzi Donat yeniden başkan seçilirken, Van Çaldıran Çevre Köyleri Kültür ve Yaşam Derneği Başkanı Seyithan Bilici ve İş Adamı Murat Teymur aday oldu.SAYFA 7'DE

Van'da Fetö/Pdy Operasyonu: 8 Gözaltı

Van'da Fetullahçı Terör Örgütü/Paralel Devlet Yapılanması'na (FETÖ/PDY) yönelik operasyonda 8 şüpheli gözaltına alındı. Emniyetten yapılan açıklamada, Kaçakçılık ve Organize Suçlarla Mücadele Şube Müdürlüğü ekiplerince, kent merkezi ve ilçelerinde FETÖ/PDY'ye üye olmak suçundan hakkında arama kararı bulunan 9 kişinin yakalanması için operasyon düzenlendiği belirtildi.HABERİ SAYFA 5'TE

YENİ DOĞU
Doğu'nun Günlük Bölgesel Gazetesi

AKFEN'DEN VAN'A BÜYÜK DESTEK!

YENİ DOĞU GAZETESİ: KEMAL ÇAMLI / ZEKİ DEMİR

Van'da devasa bir projeyi hayata geçiren Akfen Yenilenebilir Enerji, sosyal sorumluluk projesi kapsamında, Edremit ilçesine spor kompleksi kazandırdı. Kompleksin yanı sıra okulun tüm tadilatı da Akfen tarafından yapıldı.

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Edremit ilçesi Kıyıcak İlkokulunun zamanla eskimesi sonucu çocuklara olan hassas duyarlılığını göz önünde bulunduran Akfen, okulun tüm ısınma tesisat, kapı, pencere tadilat işlemleri gerçekleştirildi.

Okulda aynı zamanda tüm sınıf ve koridorlar boyanarak sağlıklı bir görünüme kavuşmasını sağladı. Okul bahçesinde çocukların hem hafta içi hem hafta sonu eğlenebilecekleri spor kompleksinde ise çoğu okulda olmayan çim futbol sahası, basketbol sahası, voleybol sahası, kamelya, oyun parkı ve peyzaj işlemleri gerçekleştirdi.

Komplekste öğretmenlerin ve öğrencilerin keyifle zaman geçirebileceği alanda çocukların heyecanı gözlerinden okundu. Son derece mutlu oldukları gözlemlenen öğrencilerin Akfen Yönetim Kurulu Başkanı Sayın Hamdi Akın'a hazırladıkları pankartlarla teşekkür etti. "Hamdi baba bizleri çok mutlu ettin" şeklinde resimler yapan öğrenciler yemek organizasyonu sonrasında açılışa katılarak kurdele kesti. Ana yüklenici Elin İnşaat firmasının da katılım gösterdiği açılışta öğrenci, veli ve öğretmenler, Akfen'in desteğinden dolayı mutlu olduklarını söyledi.

Okul müdürünün plaket vermesinin ardından bir konuşma yapan Akfen Yenilenebilir Enerji Çevre Yönetimi ve Halkla İlişkiler Müdür Yardımcısı Burak Solmaz, okul müdürü, öğretmen, Elin İnşaat, ve İmre İnşaat sahibi Kıyasettin İmre'ye emeklerinden dolayı teşekkür etti. Program sonrası gazetemize açıklamalarda bulunan Solmaz, Türkiye'de yapmış oldukları yatırımlara değinerek, yerel ekonomiye katkı sağlarken, istihdama da katkı sağladıklarını ifade etti.

SOLMAZ: PROJELER ÜRETMEKTEYİZ

Genel Müdür Yardımcısı Solmaz şunları söyledi: "Türkiye'de Çanakkale'den Van'a, Giresun'dan Mersin'e kadar birçok bölgede HES, RES ve GES yatırımları olmak üzere yenilenebilir enerji konusunda birçok bölgede hem yenilenebilir enerji santrallerinin inşaatlarını sürdürmekte hem de işletmede olan santrallerimizin üretim çalışmalarını yönetmekteyiz. Yönetim Kurulu Başkanımız Sayın Hamdi Akın önderliğinde Türkiye'de birçok bölgede yenilenebilir enerji kapsamında projeler üretmekteyiz. Neden yenilenebilir enerji? Çünkü çevreye, doğaya ve insana saygısı olan, kaynak tüketimi olmaksızın havaya, suya, toprağa zararı olmayan projeler."

"EMİN ADIMLARLA İLERLEYECEK"

Türkiye'nin birçok bölgesinde projeleri devreye aldıklarını hatırlatan Solmaz, "En son Konya Ereğli'de 30 megavat, Van Edremit'te 20 megavat lisanslı olmak üzere 50 megavat güneş enerji santralimizin kabulünü gerçekleştirdik. Yakın süreç içerisinde 20 megavat daha güneş enerji projemizin Enerji ve Tabii Kaynaklar Bakanlığı kabullerini gerçekleştireceğiz. Aynı zamanda şu anda Çanakkale ve Denizli'de 242 megavat olmak üzere Rüzgar Enerji Santrallerinin (RES) inşaatını yapmaktayız. Akfen Yenilenebilir Enerji, uluslararası platformda saygınlığı olan ortakları IFC ve EBRD ile birlikte çoğu ilimizde faaliyet göstermekte ve yerel ekonomiye katkı sağlayarak istihdam artışında önemli rol oynamaktadır. Tamamen yenilenebilir enerji konusunda faaliyet gösteren Akfen Yenilenebilir Enerji, 1000 mw toplam kurulu güç hedefine ulaşma doğrultusunda emin adımlarla ilerleyecek ve ülke ekonomisine katkı sağlamayı sürdürecektir." Dedi.

Photograph 8- Social Aids in Van Province

SES
EDİTÖR: FERİZİYE YILMAZ
22 Kasım 2018 Perşembe
www.sesgazetesi.com.tr

KARACASU'DA ARICILIK KOOPERATİFLE BÜYÜYECEK

Karacasu'da önemli geçim kaynaklarından biri olan arıcılık konusunda kurulması planlanan Yeniköy-Dikmen Tarımsal Kalkınma Kooperatifi için Yeniköy Mahallesinde bilgilendirme toplantısı düzenlendi.

Yeniköy Mahallesindeki toplantıya, Karacasu Kaymakamı Ahmet Soley, İlçe Tarım ve Ormancılık Müdürü Rahmi Şendalgıç, Karacasu Ziraat Odası Başkanı Isa Sevinç, İl Tarım Müdürlüğü kooperatif birimi personelleri, Karacasu Ziraat Odası Temsilcisi Kadir Kambak, Ali İlgili, Akfen Holding Enerji Yatırımlar A.Ş Temsilcisi Öğretim Görevlisi Haşim Altınözlü, Yeniköy Muhtarı İsmail Girgin, Dikmen Muhtarı Hüseyin Çeker, Ataköy Muhtarı Cengiz Dedeoluk, Yeniköy Cami Yaptırma ve Yaptırma Derneği Başkanı Musa Girgin ve arıcılar katıldı.

Isa Sevinç-Ahmet Soley-Rahmi Şendalgıç

50 arıcının üretim yaptığı bölgede toplam 5 bin kovan ve 20 bin arı bulunuyor. Kekik ve çamla beslenen arıların doğal, organik, şeker katkısı olmadan ürettiği ballar Türkiye'nin her yerinden tercih edilen ürünler arasında yer alıyor.

Erdal Karagöl

"HER TÜRLÜ DESTEĞİ VERECEĞİZ"

Toplantının açılış konuşmasını yapan Kaymakam Ahmet Soley, "Sizlere ve paketlenme tesislerinin oluşturulabilmesi için teşvik etmeniz gerekiyor. Tüm arıcıları bir kooperatif altında toplamak istiyoruz. Biz Kaymakamlık olarak her türlü desteği vereceğiz. Önem verdiğim konulardan bir tanesi arıcılığın geliştirilmesi olacak. Arıcılık yapmak isteyen arıcak imkanları olmadığı için yapamayan varsa vakıftan proje yapıp bunları arıcılığa başlatmaya hazırım" dedi. Ahmet Soley katılım payları konusunda da kitlerleri uygun olan vatandaşlara Vakıf üzerinden destek olacaklarını belirtti. İlçe Tarım ve Ormancılık Müdürü Rahmi Şendalgıç ise, "Kooperatifi kurmak kadar aktif halde tutmak önemli. Arısı olmayanlara bir proje hazırlayarak onları arı sahibi yapmak ya da sizlere işlemi için sizlere ekipmanlarının bulunduğu bir tesis inşa ederek sizlemeleri, paketlemeleri için bir proje hazırlamayı düşünüyoruz" dedi. Toplantıda konuşan Ziraat Odası Başkanı Isa Sevinç, oda olarak her türlü desteği vereceklerini dile getirirken, kooperatifleşmenin öneminden bahsetti. Sevinç, "Kooperatif için gerekli her türlü projenin yazımına oda olarak ücretsiz üstlenmeye hazırız" şeklinde konuştu.

Ahmet Soley

"DIŞARIDAN GELEN ARICILARIN ENGELLENMESİNİ İSTİYORUZ"

Toplantının ardından Ses Gazetesine açıklama yapan Yeniköy Muhtarı İsmail Girgin, kooperatifin kurulması için her türlü desteği vereceklerini, kurumların da kendilerine destekte bulunmasını istedi. Girgin, "Bugün yapmış olduğumuz arıcılar toplantısında Kaymakamlığımıza, Basınımıza, Tarım İlçe Müdürümüze, Ziraat Odası Başkanımıza gösterdikleri ilgiden dolayı teşekkür ediyorum. Bizim 5 köyümüzde yapılan arıcılığa katkı sağlamak adına ne yapılması gerekiyorsa yapmalarını istiyorum.

İsmail Girgin

Kooperatif kurulması konusunda yardımcı olacaklarını söyledim. Biz de köyü olarak onlara yardımcı olacağımızı söyledik. 5 köyümüzde 5 bin arı kovanımız var. Dışarı gelen arıcıların engellenmesi için bilhassa tarım ilçe müdürlüğünden destek istiyoruz. Bunların gelmemesi için ne gerekiyorsa yapmalarını istiyorum" dedi.

MARKALAŞMA İLE DÜNYA PİYASASI HEDEFİ

Isa Sevinç

Toplantının ardından Ses Gazetesinin sorularını yanıtlayan Isa Sevinç, "Burada kuracağımız kooperatif tarımsal kalkınma kooperatifi. Bütün desteklemeler kooperatifler üzerinden veriliyor. Bunu kurmayı başarabilirsek bütün arıcıları bir çatı altında birleştirmek istiyoruz. Kooperatif sayesinde girdi maliyetleri de düşecek. Pazarlama alanında da kooperatif devreye girecek. Patentin de alınmasıyla paketleyip, şişeleyip, gerek ülke gerek dünya piyasasına arz etmeyi düşünüyoruz" dedi.

ÜRETİCİ DE DESTEKLİYOR

Bal üreticisi Erdal Karagöl ise, "Kendimi bildim bileli arıcılık yapıyorum. Çam ve kekik balı yapıyoruz biz. Ağustos ayında başlıyor, kış başına kadar devam ediyor. Saf ve organik olduğu için tercih ediliyor. Sadece balını satabiliyoruz. Şu an polen ve propolis üretemiyoruz. Kooperatifleşmeye gitsek, markalaşsak daha çok kazandıracak. Kooperatif sayesinde kekik biçilmesinin önüne geçilecek. Arıcılar birliği üyesiyim ama kooperatifin kurulmasını destekliyorum" değerlendirmesinde bulundu.

Lider, emin adımlarla ilerliyor

Ligde şampiyonluk parolasıyla mücadele eden Efeler ekibi Yıldızspor'da hedeften şaşma yok. Mavi beyazlı ekip geçen sezon kaçırdığı şampiyonluğu bu sezon kazanarak Bölgesel Amatör Lig (BAL) hedefine ulaşmak istiyor.

Aydın Amatör Süper Lig'de lider Yıldızspor, geçtiğimiz 9 haftada aldığı 8 galibiyet ve 1 beraberlikle şampiyonluk hedefine emin adımlarla ilerliyor. Mavi beyazlı ekip, geçtiğimiz hafta sonunda Efeler'de Koçarlı Belediyespor'u 6-2'lik skorla mağlup ederek, önceki haftaki Karpuzlu deplasmanında aldığı puan kaybını telafi etti. Bu hafta sonunda Kuyucak deplasmanında Pamukörenspor ile karşı karşıya gelecek olan Yıldızspor, zorlu rakibi karşısında 3 puan için mücadele edecek. Lig'de en yakın takipçisi Karpuzlu Belediyespor ile mağlubiyeti bulunmayan takım olan Yıldızspor, Pamukörenspor maçından da galip gelerek yolunu aksaksız devam etmek istiyor. Yine Karpuzlu Belediyespor ile birlikte ligde 5 golle en az gol yiyen takım olan Yıldızspor, attığı 35 golle de ligde en fazla gol atan takım unvanını tek başına sürdürüyor.

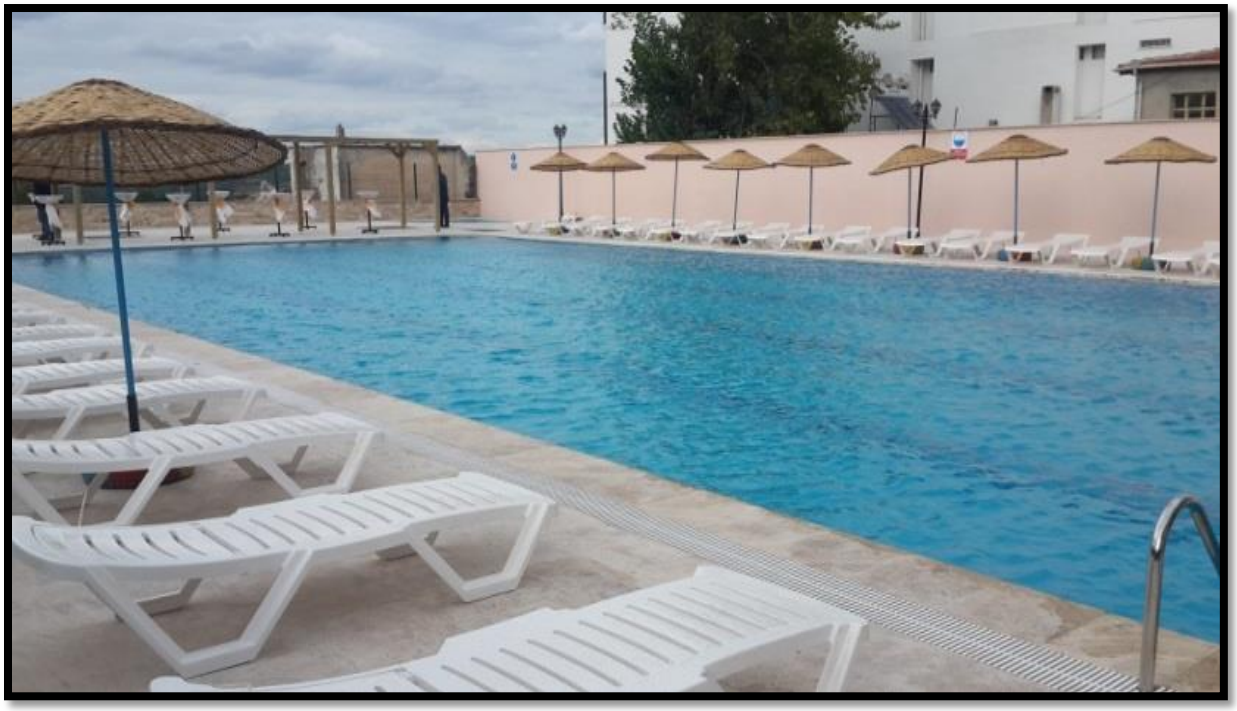
TAKIMDA MORALLER YÜKSEK

Pamukörenspor karşılaşmasının hazırlıklarını sürdüren mavi beyazlı ekip, hafta sonunda rakibinin karşısına eksiksiz çıkacak. Zorlu karşılaşmada Yıldızsporlu oyuncuların moallerinin yüksek olduğu gözlerinken, takım içindeki motivasyonun da en üst düzeyde olduğu görüldü. Pazar günü Kuyucak Pamukören Stadı'nda oynanacak olan karşılaşma saat 14.15'te başlayacak.

▶▶ KAMİL KAZANKAYA

Photograph 9- Beekeeping Project in Karacasu

Photograph 10: Unif orm donation in Karatepe Village in the scope of ME-SE SPP Project



Photograph 11 - Social Aids To Umurbey Municipality

For the villages in our project locations, social assistance is provided for the benefit of the village legal entity. Within the scope of social responsibility projects planned in the project areas, the “Health First Project” was launched for 2018 by cooperation with stakeholders and TİKAV which exists within the struture of the Akfen. It was identified that local residents living in rural areas do not take advantage of the health services provided by the government or enter regular health scans due to their negligent approach and conservative perspectives about health issues. Therefore, how to treat childhood diseases in order to prevent negative effects on adult life, and how life-ending situations can be prevented by simple interventions were stated in the seminar. First aid interventions, and basic health information depending on the questions of the participants were given. The methods of improving the daily life quality of the participants and reducing the effects of the diseases were showed with simple applications.

“Health First Project” was implemented in the regions where the operations are located in 2018. Operation names are Otluca HEPP, Kavakçalı HEPP, Sekiyaka HEPP, Sırma HEPP, Demirciler HEPP, Yeşilvadi SPP, Yaysun SPP, Çamlıca HEPP, Doruk HEPP, Çalıkobası HEPP, Yağmur HEPP, Gelinkaya HEPP, Saraçbendi HEPP, Amasya SPP Projects, Tokat SPP Projects and Doğançay HEPP. A health package was donated to participants at the end of the training. Images from the trainings are given in Photograph 12.


OTLUCA HEPP


YAYSUN SPP


SEKİYAKA HEPP


SIRMA HEPP


DOĞANÇAY HEPP
tikav


YEŞİLVADİ SPP


YAYSUN SPP


ÇAMLICA III HEPP


DORUK HEPP
akfen
tikav


ÇALIKOBASI HEPP
akfen


YAĞMUR HEPP


GELİNKAYA HEPP


SARAÇBENDİ HEPP
akfen
tikav


AMASYA SPP
akfen


TOKAT SPP
akfen


DEMİRCİLER HEPP

Photograph 12 - "Images from the "Health First Project"

Briefly describe new initiatives implemented during the reporting period or additional managerial efforts on E&S aspects (e.g. Energy/water savings, sustainability report, waste minimization, etc).

Within the framework of the ISO 9001 Quality Management System, OHSAS 18001 Occupational Health and Safety Management System, ISO 14001 Environmental Management System and ISO 50001 Energy Efficiency Management System studies, the policies committed by Akfen management in 2018, energy and water consumption in Akfen Head office, operations and construction sites are monitored and recorded. Measures and actions have been planned in consideration of consumption trends for saving and efficient use within the scope of Quality Management Systems. Implementation of waste disposal, storage, transportation and disposal in accordance with national legislation is going on within the scope of waste management. Records of waste quantities, transport and disposal records were kept and archived. Personnel are aware of these issues with the trainings given in the scope of environmental protection.

Consultancy contracts have been made for construction and operation audits on Environment, Social, and OHS issues in SPP Projects during operational phase and WPP projects during construction phase. In addition, there are contracts with the regional waste disposal companies for all operations and the wastes are followed until they reach to the final point. Sample images of the audits are given in Photograph 13.

ME-SE SPP

YAYSUN SPP

ME-SE SPP

OMICRON ENGİL 208 SPP

ÇAMLICA III HEPP

DOĞANÇAY HEPP

Photograph 13- Images of the environmental and OHS audits were held by Akfen and/or consultants at the operation and construction sites

The necessary measurements and implementations are made in order to ensure the sustainability of ecosystems in upstream and downstream of HEPPs by taking the measures specified in the Ecosystem Assessment Reports. Controls about fish passage, current monitoring station, follow-up of the eco-flow water left to the stream for natural life were carried out at the HEPPs with regulator to determine the status of the applications in this context. The report containing the results of the inspection of HEPPs with regulator is given in Annex 20. Ecosystem Assessment Reports, Landscape Repair Plans and Noise Reports are available for new WPP projects also.

Briefly describe the number and type of comments and/or grievances received by the Company in relation to E&S Issues? How many have been resolved and how many are pending? (Please attach a table with grievance redress registry)

The summary of the complaints received during this period and the complaints regarding the cases are given in the following table.

Type of complaints in 2018	Number of Complaints	Number of Complaints solved	Complaints that can not be closed
Damage to the fields due to the dust caused by vehicles during the project activity.	3	3	0
Fast vehicle use during project activity.	1	1	0
Emplying few of local residents during construction activities.	1	1	0
Damage to the telephone line during construction activities.	1	1	0
TOTAL	6	6	0

Table 7- Complaints

The complaints given above are explained in detail in Table 7.

Grievance mechanism is also carried out at the Company head office. There is a box for personnel complaints and suggestions (See Photograph 14). However there is not any complaint record in this reporting period in head office.

Photograph 14: Request and Suggestion Box at the Company Head Office

Have ESIA's and or E&S Due Diligence conducted during the reporting period? (Please provide copies)

Due diligence reports were prepared (for finance studies) within the scope of all WPP and SPP projects. Action plans have been developed based on these reports. Commitments have been fulfilled and caring for sustainability with qualified environmental, OHS, biodiversity, human resources and academic personnel.

Biodiversity Assessment Reports, Biological Monitoring Reports and Biological Action Plans were prepared by teams of ornithologist, zoologist and botanical experts for WPP and SPP projects.

Environmental Reports, Biodiversity Reports and Biological Monitoring Reports prepared in this period are given in Table 8 and summary of the studies is given in Annex 3.

PROJECT NAME	REPORT NAME	REPORT DATE	REPORT PREPARED BY
ME-SE, MT and YAYSUN SPP	Environmental and Social Due Diligence Report	January 2018	GOLDER
ÜÇPINAR WPP, KOCALAR WPP, HASANOBA WPP, DENİZLİ WPP	Shadow Flicker and Blade / Ice Throw Effect Evaluation Report	February 2018	GOLDER
YAYSUN SPP	Arab Rabbit Information Note	March 2018	Dr. Ayşegül İLİKER
MT SPP AND YAYSUN SPP	Biodiversity Assessment Report	March 2018	GOLDER
VAN (OMİCRON ERCİŞ, OMİCRON ENGİL208 AND PSI ENGİL207) SPP PROJECTS	Biodiversity Assessment Report	March 2018	GOLDER
154 KV YAYSUN SPP TS-EREĞLİ TS ETL	Biodiversity Protection Action Plan	March 2018	SELİN
MT SPP	Biodiversity Protection Action Plan	March 2018	SELİN
YAYSUN SPP	Biodiversity C Protection Action Plan	March 2018	SELİN
OMİCRON ENGİL 208 SPP	Biodiversity Protection Action Plan	March 2018	SELİN
TOKAT-KUŞOTURAĞI SPP	Biological Monitoring Report	March 2018 September 2018	ENVA
AMASYA-BOYALI SPP	Biological Monitoring Report	March 2018 September 2018	ENVA
OMICRON ERCİŞ SPP	Biodiversity Protection Action Plan	June 2018	SELİN
ME-SE SPP	Biodiversity Protection Action Plan	June 2018	SELİN
ÜÇPINAR WPP, KOCALAR WPP, HASANOBA WPP, DENİZLİ WPP	Biodiversity Pre-Action Plan	July 2018	GOLDER
154 KV ÜÇPINAR WPP TS-ÇANAKKALE HAVZA-1 (ÇAN HAVZA-1) TS ETL	Biodiversity Conservation Action Plan	August 2018	SELİN
ÇANAKKALE HASANOBA-WPP	Butterfly Report	October 2018	Prof. Dr. İrfan KANDEMİR
AKFEN WPP PROJECTS	Flora-Fauna Study	2018	Haşim ALTINÖZLÜ Doç. Dr. Şakir Önder ÖZKURT
DENİZLİ BEEKEEPING PROJECTS	Beekeeping Report	2018	Prof. Dr. İrfan KANDEMİR
HASANOBA WPP	Beekeeping Report	2018	Prof. Dr. İrfan KANDEMİR
AKFEN RENEWABLE ENERGY SPP PROJECTS	Biological Diversity Report	2018	Dr. Ayşegül İLİKER Dr. Okan ÜRKER
BABADAĞ/HASANOBA/KOCALAR/ÜÇPINAR WPP PROJECTS	Ornithology Reports	2018	Dr. Kerem Ali BOYLA

Table 8- Environmental Reports, Biodiversity Reports and Biological Monitoring Reports prepared in 2018

MT SPP, ME-SE SPP Projects General Plant Ecology and Vegetation Research

Denizli, Hasanoba, Kocalar, Üçpınar WPP Projects Bird Watching Studies

Denizli, Hasanoba, Kocalar, Üçpınar WPP Projects Bird Watching Studies

Denizli, Hasanoba, Kocalar, Üçpınar WPP Projects Bird Watching Studies

Denizli WPP Meetings in the Scope of Beekeeping Studies

Beekeeping Research at the WPP Project Areas

Denizli, Hasanoba, Kocalar, Üçpınar Üçpınar WPP Projects Bird Watching Studies

Cultivation of Phlomis Sieheanav and Galium Fissurense Seeds to Vegetable Storage Area at Amasya SPP Project

Biological Monitoring Studies at Amasya SPP Project

Biological Monitoring Studies at Amasya SPP Project

Biological Monitoring Studies at Üçpınar WPP ETL

Biological Monitoring Studies at Tokat SPP Project

Photograph 15 - Biological Studies carried out by experts in projects

The images of the fish transport during the spring and autumn periods of Çamlıca III Dam and HEPP are given below.

Fish Catching




Fish Transporting


Fish Releasing	
	

Photograph 16- Images of the fish transportation study

Using the table provided below list any internal and/or external grievance or dispute (include court action) received during the reporting period, describe how it was addressed and its current status.

Grievance /Dispute Date	Complainant	Issue	Solved (Y/N)	Action taken	Date Closed
02.05.2016	Ahmet Hamdi ŞENOL	Litigation for the filed compensation of damages incurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/277)	Continues
03.05.2016	Gürcan YILDIRIM	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/309)	Continues
11.07.2016	Ayşe KÖSEOĞLU and others	Litigation for the filed compensation of damages occurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/448)	Continues
26.07.2016	Hatice ARSLAN	In Doğançay HEPP has been inundated with water during the periods when the lake water has risen and the land has become unusable	N	In order to expropriate the land, an agreement was reached with the complainant, and negotiations continue. However, a positive result has not yet been obtained	Continues
01.12.2016	Salih ÇAKMAK	Litigation for the filed compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance) 2016/725)	Continues

Grievance /Dispute Date	Complainant	Issue	Solved (Y/N)	Action taken	Date Closed
01.12.2016	Dursun Ali ÇAKMAK	Litigation for the filed compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/724)	Continues
01.12.2016	Lütfü GÜNEY	Litigation for the filed compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/726)	Continues
01.12.2016	Şaban ÇAKMAK	Litigation for the filed compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/727)	Continues
14.12.2017	Feride Emel ATİK	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/687.)	Continues
14.12.2017	Yakup ŞENOL	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/683.)	Continues
14.12.2017	Yakup ŞENOL	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/653.)	Continues
04.12.2017	Nihat KARACA	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/653.)	Continues
04.12.2017	Nihat KARACA	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/652.)	Continues
04.12.2017	Nihat KARACA	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/650.)	Continues

Grievance /Dispute Date	Complainant	Issue	Solved (Y/N)	Action taken	Date Closed
04.12.2017	Erkan ALKAN Fatma IŞIK Nazif ALKAN Sevgi ALKAN	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/649.)	Continues
04.12.2017	Erkan ALKAN Fatma IŞIK Nazif ALKAN Sevgi ALKAN	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	Dava Açıldı (Geyve Asliye Hukuk Mah. 2017/648.)	Continues
04.12.2017	Erkan ALKAN Fatma IŞIK Nazif ALKAN Sevgi ALKAN	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/647.)	Continues
04.12.2017	Hanife APAYDIN Kadir SEZER Sadettin YILMAZ	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/646.)	Continues
04.12.2017	Ahmet ŞENGÜL	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2017/645.)	Continues
04.12.2017	Ömer ALKAN	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance. 2017/645.)	Continues
09.01.2018	İbrahim ÖREN Züleyha KOÇ	The lawsuit filed in order to compensate for the flooding damage that occurred in the real estate owned by the plaintiff.	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2018/17 E.)	Continues
14.04.2018	Local People (Yaysun SPP)	The trees in the apple orchard are dusty because of the dust caused by the road.	**Y**	The road irrigation process is extended by 1 km to the end of the apple orchard.	15.04.2018
21.05.2018	Local People (Yaysun SPP)	The company vehicles use very fast vehicles on the roads, causing both dust and animals to be afraid.	**Y**	All personnel of the company were given social impact training and warned.	01.06.2018

Grievance /Dispute Date	Complainant	Issue	Solved (Y/N)	Action taken	Date Closed
13.07.2018	Local People (Yaysun SPP)	More staff are requested to be provided by the local.	**Y**	While the number of employment in July was 25, it was increased to 50 in August.	15.08.2018
10.06.2018	Cora/Apak Ali ÇAĞMEL	Large amount of dust due to activities in the field and damage to the fields.	**Y**	The number of irrigation was increased with arazose.	11.06.2018
17.10.2018	Cengiz KAYA	The truck carrying the transformer disconnects the telephone cable.	**Y**	The cable has been repaired.	18.10.2018

Table 9- Complaints and Litigations

PS2, PK2. LABOR AND WORKING CONDITIONS

Have you changed your Human Resources (HR) policies, procedures or working conditions during the reporting period?

☐ **Yes** ☒ **No**

Provide details

Within the scope of ISO 9001 Quality Management System studies in 2018, established Akfen Human Resources Procedure has been continued. HR policy has been announced in web site. Job application and recruitment process are explained in detail on our website and announcements about career and job opportunities are available on our website also.

The main objectives of our HR practices are to increase employee performance by creating a dynamic, open to development and innovative environment, reduction of targets from corporate to individuals and efficient achievement of company objectives. For this purpose, a personnel profile that is open to change and development, has high success motivation, believes in team work and spirit, uses his/her resources and time correctly and has high social responsibility sensitivity has been formed.

HR practices have been done in 2018 are summarized as follows;

- January 2017 : HR implementations planned
- July 2017 :Wage improvements were done taking into account personnel performance assessments were made by managers and inflation rate.
- August 2017 :Promotions were done according to performans assessments were made by “Promotion Committee”
- New 12 full time personnel were employed for vacant positions.
- Orientation trainings were given to new personnel.
- Training needs were determined and vocational training for some personel (according to legislation) was provided.

- Trainings were given to personnel to use new computer programs (such as M-Files) and programs were put into use.
- Dinners, birthday parties, new year organizations etc. were organized in the scope of motivation management.
- As a rutine work personnel files were prepared and wage-tax operations were done according to Social Security and Labor Legislation.
- The participation of the operation managers in the evaluation meetings was ensured. Image of the 2018 Evaluation Meeting with the participation of all business managers is given at Photograph 17.

Photograph 17- Image of the 2018 Evaluation Meeting

Provide the following information regarding your workforce. Please add rows as needed:

Company's workforce profile is given below for 2018.

Site	Number of employees who are directly employed	Number of female employees directly employed	Number of employees who are termnated	Number of hired employees	Number of contractor employees
AKFEN RENEWABLE HEAD OFFICE	41	12	5	0	0
AKFEN ELECTRICITY WHOLESALE	3	2	1	0	0
OTLUCA HEPP	21		1	0	0
SEKİYAKA HEPP	9			0	0
SIRMA HEPP	8			0	0
YAĞMUR HEPP	12		1	0	0
ÇAMLICA III HEPP	14			0	0
SARAÇBENDİ HEPP	13			0	4
DOĞANÇAY I-II HEPP	22	2		0	0
ÇALIKOBASI HEPP	15			0	5
DEMİRCİLER HEPP	10			0	5
GELİNKAYA HEPP	7			0	4
KAVAKÇALI HEPP	12			0	0
YAYSUN SPP				0	5
MT SPP				0	2
ME-SE SPP				0	5
OMİCRON ERCİŞ SPP				0	3
OMİCRON ENGİL 208 SPP				0	3
DORUK HEPP	14			0	4
YEŞİLVADİ SPP	3			0	1
SOLENTEGRE SPP	1			0	3
ÇİÇEKLİ HEPP	10			0	31
BOYALI SPP	1			0	5
KUŞOTURAĞI SPP	1			0	4
AKFEN YENİLENEBİLİR SPP	2			0	0
ÜÇPINAR WPP	15	3	80	0	150
KOCALAR WPP	10	1	26	0	43
HASANOBA WPP				0	1
DENİZLİ WPP	39		27	0	39
TOTAL	**283**	**20**	**141**	**0**	**317**

Table 10- Workforce Information

OCCUPATIONAL HEALTH AND SAFETY

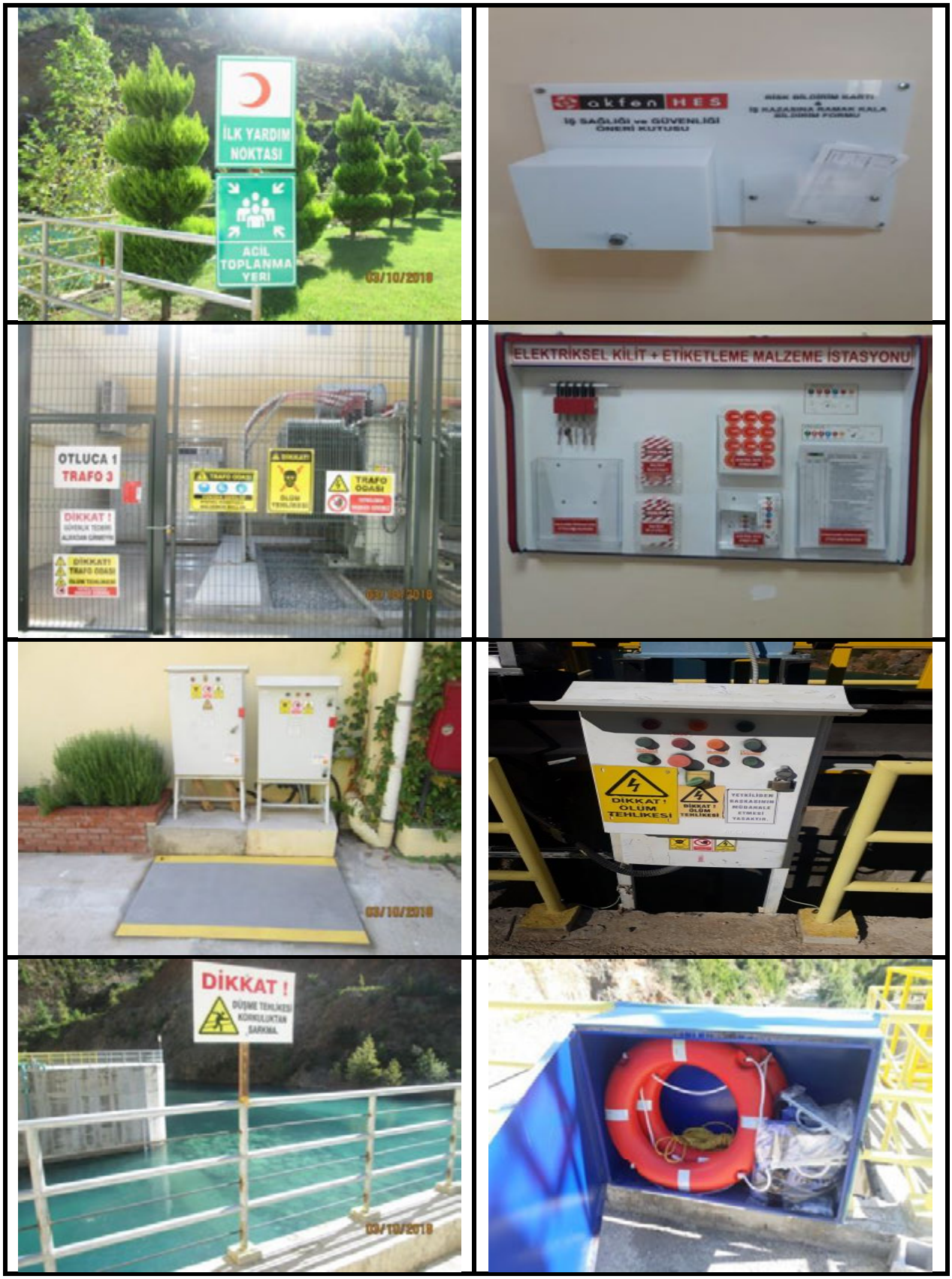
Describe the main changes implemented in terms of Occupational Health and Safety (OHS) during the reporting period, e.g. identification of hazards, substitution of chemicals, new controls, etc.

Under the national legislation, Hazard Identification and Risk Assessment are mandatory for all workplaces. Within this scope, hazard identification and risk assessment have been carried out in Akfen head office, operating power plants, and new construction sites. With the applied OHSAS Occupational Health and Safety Management System, hazard identification and risk assessments are systematically controlled and revised, necessary measures are taken and responsibilities are determined.

Chemical use is very low since Company's plants use renewable energy sources. Only hydraulic oil and grease are used to lubricate the gears and moving parts. For this reason, there are only hydraulic oil, grease, contaminated gloves, rag and contaminated wastes in the scope of hazardous wastes including maintenance and repair activities. Chemical wastes are stored and disposed in accordance with the relevant legislation. The material safety data sheets (MSDS) belonging to the used chemicals are kept in the power plants. Storage of flammable properties, exposure and disposal of wastes, etc. are in compliance with the provisions of the Material Safety Data Sheet. ISO 14001 Environmental Management System and OHSAS 18001 Occupational Health and Safety Management System implementations include; starting with the purchase, training and packaging, attention to dangerous goods, personnel who use and storage, information on the PPE to be used, emergency measures, waste disposal, etc. and keeping records.

Internal and external audits were carried out during construction period of ongoing WPP and SPP projects projects and at plants in operation period. The control forms of the inspections are given in Annex 7.

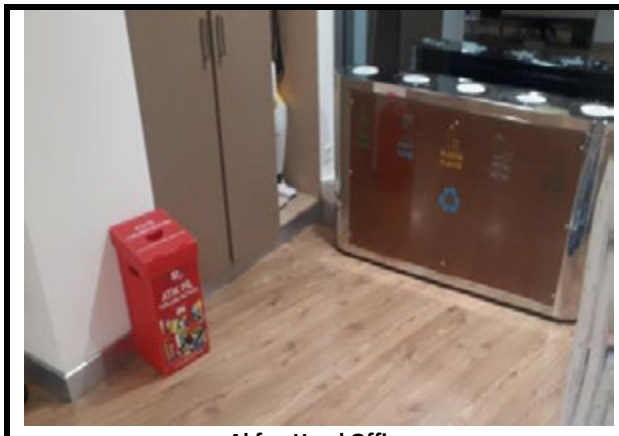
Examples of OHS practices in plants and construction sites are given below. Lock out tag out procedure is given in annex (See Annex 26) as well.



Photograph 18 –Examples of OHS Practices at Operations

Photograph 19: Examples of OHS Practices at Construction Sites

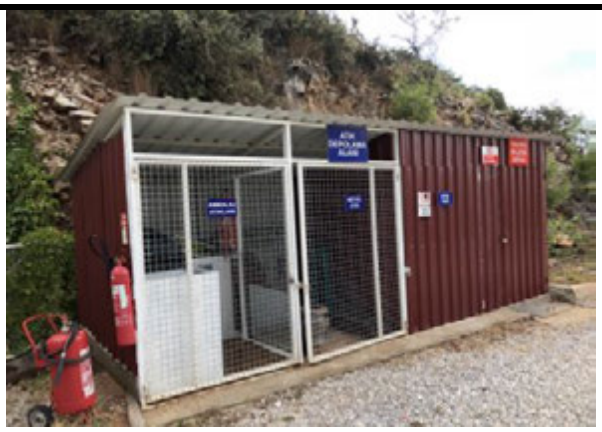
In addition, there are contracts with the licensed companies for the regional waste management in all operations and wastes are followed up to the licensed disposal facility. Examples of waste management practices in plants and construction sites are given below.



Akfen Head Office

Yağmur HEPP

Otluca HEPP



Sekiyaka II HEPP

Doğançay HEPP

Kavakçalı HEPP

ME-SE SPP

Omicron Erciş SPP

Photograph 20:Examples of Waste Management

Provide the workplace monitoring data, including thermal conform (temperature, humidity), noise, lightning during this reporting period.

Since the measurements of temperature, humidity, ambient noise, lighting and noise exposure are made every 2 years according to the national legislation, no measurements have not been made for this reporting period in plants that measurements were made in 2017. Measurements were made at the Üçpınar and Kocalar WPP sites, which were started to be constructed this reporting period, and the measurements and dates are given in Table 11. The measurement results were below the limit values defined at the national legislation. OHS Measurement reports are given in Annex 4.

Fields	2018 Occupational Hygiene Measurements (Report Dates)						
	Thermal Comfort Measurement	Noise Exposure Measurement	Lighting Measurement	Indoor Noise Measurement	Dust Exposure Measurement	Vibration Measurement	Ambient VOC Measurement
Üçpınar WPP	04.06.2018	04.06.2018	04.06.2018	04.06.2018	04.06.2018	04.06.2018	-
Kocalar WPP	04.06.2018	04.06.2018	04.06.2018	04.06.2018	04.06.2018	04.06.2018	-
Denizli WPP	08.08.2018	08.08.2018	08.08.2018	-	08.08.2018	08.08.2018	08.08.2018

Table 11- Occupational Hygiene Measurements 2018

Occupational Health and Safety Indicators. Please provide separate tables as needed for each site and at corporate level.

Parameter	This reporting period		Reporting period- Previous year	
	Direct employees	Contractor employees	Direct employees	Contractor employees
Total number of Workers	283	317	206	107
Total man-hours worked - Annual	739144	1081192	508 410	337 263
Total number of lost time occupational injuries	0	3	0	1
Total number of lost workdays due to injuries	0	69	0	2
Number of fatalities	0	0	0	0

Table 12- Lost Workday Data

Provide details for the non-fatal injuries during this reporting period.

Company or contractor?	Total lost workday	Explanation of the injury	Reason of accident	Corrective measurements to prevent reoccurrence
Contractor's personnel (27.06.2018)	10	While walking in the construction site of Üçpınar WPP, the foot was sprained and an ankle fracture occurred.	Carelessness	Training was given
Contractor's personnel (23.07.2018)	10	Stacked rebars slipped and hit the left leg and squeeze the leg in Kocalar WPP.	Carelessness	Workers were trained on material stacking.
Contractor's personnel (04.08.2018)	0	The worker's foot stumbledl to astone and fell in the Omicron Erciş SPP.	Carelessness	Training was given

Company or contractor?	Total lost workday	Explanation of the injury	Reason of accident	Corrective measurements to prevent reoccurrence
Contractor's personnel (05.08.2018)	0	Omicron Erciş GES construction site; the finger of the worker who mounted the panel was squeezed between the panels.	Not to obey the instructions, Non-use of PPE, Carelessness	The worker was trained in the use of PPE and and was warned to obey instructions.
Contractor's personnel (04.10.2018)	49	YAYSUN SPP construction site at 19:20 in the evening the vehicle from the secondary road suddenly emerged to the main road and as a result an accident happened	The weather was dark and the truck was fast.	Traffic training was given to the workers.

Table 13- Occupational Health and Safety Indicators

Describe in detail fatalities and vehicle accidents, including corrective measures (provide copies of OHS investigation and respective corrective plan).

The accident reports are presented in Annex 2.

SIGNIFICANT INCIDENTS

There were no fatalities coused by accidents in 2018. Only one vehicle accident was happened, there was no injuries, but only material damage.

Date of incident	Type of incident	Brief description of incident	Fatalities? (Y/N)	No of fatalities	Preventive measures taken after the incident
(04.10.2018)	Vehicle accident	YAYSUN SPP construction site at 19:20 in the evening the vehicle from the secondary road suddenly emerged to the main road and as a result an accident happened	N	None	Traffic training was given to the workers.

Table 14- Significant Incidents

Provide the following environmental monitoring data for this reporting period. If you already have all the data requested available in another format, this can be submitted instead. Please provide a scaled facility map showing the precise locations of all monitoring points.

There is no need to make environmental noise and air quality (dust measurement) at our operating renewable energy plants according to our national legislation. Also operating HEPPs are in the a closed buildig, there is no environmental noise.

Ambient noise:
In this report period, environmental noise measurement made by the accredited laboratory in construction sites is given in Table 15. and the measurement reports are given in Annex-16.

Ambient air quality:
In this report period, air quality measurement made by the accredited laboratory in construction sites is given in Table 15. and the measurement reports are given in Annex-16.

Sites	2018 Environmental Measurements (Report Dates)				
	Environmental Noise Measurement	Environmental Dust Measurement (PM10)	Settled Dust Measurement	Passive Sampling (SO_2,NO_2)	Soil Analysis Report
Üçpınar WPP	30.05.2018	30.05.2018	08.06.2018	08.06.2018	16.05.2018
Kocalar WPP	30.05.2018	30.05.2018	08.06.2018	08.06.2018	16.05.2018
Hasanoba WPP	30.05.2018	30.05.2018	08.06.2018	08.06.2018	16.05.2018
Denizli WPP	30.05.2018	30.05.2018	08.06.2018	08.06.2018	16.05.2018
Omicron Engil SPP	15.03.2018	15.03.2018			
Omicron Erciş SPP	16.07.2018	16.07.2018			
ME-SE SPP	21.05.2018	21.05.2018			
YAYSUN SPP	13.03.2018	13.03.2018			
MT SPP	13.03.2018	13.03.2018			

Table 15- Environmental Measurements

It was observed in measurements that no limits were exceeded.

Liquid effluent discharges:
There is no wastewater treatment plant because of the small number of employees. All of the facilities have a leakproof septic tanks and can be emptied with a vacuum truck service. There is no discharge of liquid waste, there is no need to make measurements for discharging conditions in the plants. Wastewater analysis can only take place at the concrete plants in construction sites. Çiçekli HEPP project has a concrete batching plant. A settling pool was built for the mixer washing waters at the concrete plant. The waters rested in the settling pool are not discharged to the environment as they are used in the re-mixer washing. The Provincial Directorate of Environment and Urbanizm analyzed the sedimentation pool and analyzed it below the discharge limits in 2016. Domestic wastewaters generated at the construction sites are collected in leakproof septic tanks and evacuated by vacuum trucks and

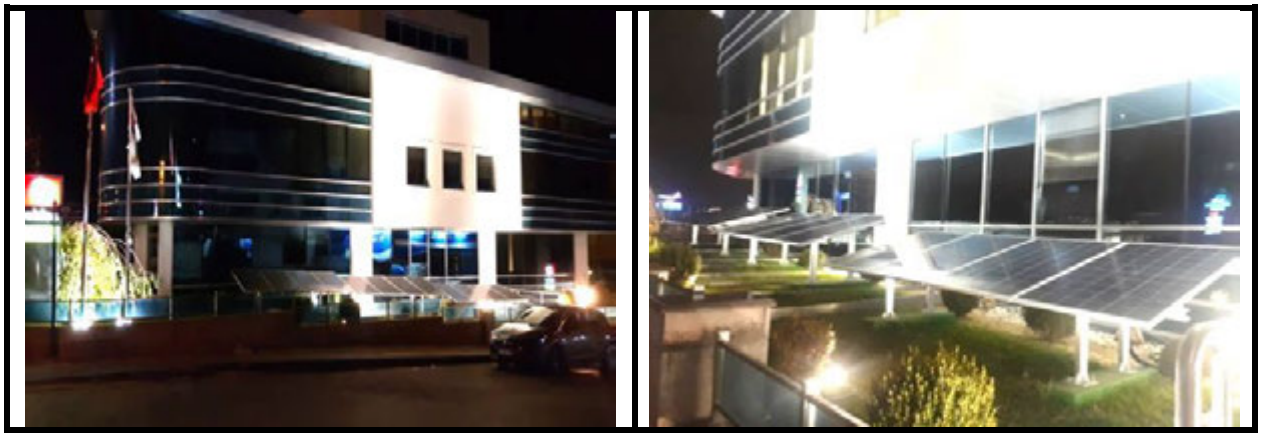
delivered to the municipal infrastructure system. As there is no wastewater discharge, the analysis has not been done.

Resources and Energy Consumption:

The energy sources and consumption quantities used in the power plants in operation and construction sites are given in the Energy and Water Management table below.

Consumption analysis were made according to our Energy Management System. Water and energy consumptions were recorded and targets were defined to increase efficiency. Works done in Saraçbendi HEPP is given as an example in Annex-15.

The AKFEN Head Office produces electricity with the Off Grid system and illuminates the building exterior with this energy.



Photograph 21 :Head Office Off Grid System

Same way; the electricity required by MT SPP, ME-SE SPP, Omicron Engil 208 SPP and Omicron Erciş SPP enterprises are provided by the Off Grid system. Application photos are given in Photo 22-23.

MT SPP **ME-SE SPP**

Omicron Engil 208 SPP

Omicron Erciş SPP

Photograph 22 - SPP Operations Off Grid System

If any of the EHS guidelines or local regulatory limits are exceeded please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.

Energy and Water Management (please add cloumns as needed):

UTILITY TYPE	ENERGY AND WATER CONSUMPTION AMOUNT IN 2018					
	Electricity Production	Electricity Consumption	Natural Gas	Diesel	Other Fuel (specify)	Water
UNITS / PROJECTS	MW/hr	MW/hr	m^3	lt	lt	m^3
OTLUCA HEPP	135825,8	342,95	0	10399	-	720
SIRMA HEPP	10100	145	0	205	-	360
SEKİYAKA II HEPP	12763	135	0	613	-	200
DEMİRCİLER HEPP	18500	217	0	2500	-	380
KAVAKÇALI HEPP	25055,36	114,14	0	300	-	180
GELİNKAYA HEPP	10971,26	80,598	0	1610	-	180
SARAÇBENDİ HEPP	40258	165,381	0	1060	-	7,2
ÇAMLICA III HEPP	24000	160	0	10000	-	150
DORUK HEPP	82737	384	0	2010	-	170
YAĞMUR HEPP	19100	87,231	0	3360	-	40
DOĞANÇAY HEPP	94473	383	0	3699	-	5843
ÇALIKOBASI HEPP	16769,7	65,97	0	14740	-	45
SOLENTEGRE SPP	11441,56	48,633	0	960	-	36
YAYSUN SPP 0,5	850	10	0	204	-	7,5
DENİZLİ SPP PROJECTS	12573,85	100	0	0	-	70
AMASYA BOYALI SPP	16153	70,098	0	0	-	2
TOKAT KUŞOTURAĞI SPP	7957	49,592	0	0	-	2
OMICRON ERCİŞ SPP	2131,07	90	0	31462	-	292,475
OMICRON ENGİL 208 SPP	2191,37	110	0	0	-	1668
ME-SE SPP	1816,39	100	0	22186	-	28,65
MT SPP	2284,87	6,68	0	2294	-	83,8
YAYSUN SPP	24000	160	0	12028	-	63,3
AKFEN YENİLENEBİLİR SPP	820,21	7,105	0	0	-	0
ÇİÇEKLİ HEPP	Construction in continuing	332,224	0	30000	-	1762

UTILITY TYPE	ENERGY AND WATER CONSUMPTION AMOUNT IN 2018					
	Electricity Production	Electricity Consumption	Natural Gas	Diesel	Other Fuel (specify)	Water
UNITS / PROJECTS	MW/hr	MW/hr	m^3	lt	lt	m^3
HASANOBA WPP	Construction in continuing	0	0	0	-	0
KOCALAR WPP	Construction in continuing	9,3435	0	0	-	19,25
ÜÇPINAR WPP	Construction in continuing	9,3435	0	0	-	19,25
DENİZLİ WPP	Construction in continuing	10911,426	0	122414	-	186
Total	572772,44	14294,715	0	272044	0	12515,425

Table 16- Annual Energy and Water Consumption Amounts for 2018

Greenhouse Gases: Please fill in the table below for each site and institutional level

All electricity production plants of Akfen are operating with renewable energy. Water, wind and solar energy are used. For this reason, there is no direct CO_2 emission related to production. There is only indirect CO_2 production, because of the generator operation in the power plants, the use of cars in transportation and the use of energy for lighting and heating in the plant. The values of greenhouse gas emissions and greenhouse gas reductions calculated for each plant are given below.

OTLUCA HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	267 tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	135 825,00			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	95 485			
Total CO_2 reduction tCO_2	95 217			

SIRMA HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	102 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	10 100			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	7 100			
Total CO_2 reduction TCO_2	6 697			

SEKİYAKA HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	96tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	12 763			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	8 972			
Total CO_2 reduction TCO_2	8 875			

DEMİRCİLER HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	156tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	18 500			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	13 500			
Total CO_2 reduction TCO_2	12 846			

KAVAKÇALI HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	81tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	25 055			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	17 613			
Total CO_2 reduction TCO_2	17 532			

GELİNKAYA HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	61tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	10 971			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	7 712			
Total CO_2 reduction TCO_2	7 652			

SARAÇBENDİ HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	119tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	40 258			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	28 301			
Total CO_2 reduction TCO_2	28 182			

ÇAMLICA III HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	139tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	24 000			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	16 872			
Total CO_2 reduction TCO_2	16 733			

DORUK HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	275tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	82 737			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	58 164			
Total CO_2 reduction TCO_2	57 889			

YAĞMUR HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	70 tCO_2	* Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	19 100			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	13 427			
Total CO_2 reduction TCO_2	13 357			

DOĞANÇAY HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	279 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	94 473			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	66 414			
Total CO_2 reduction TCO_2	66 135			

SOLENTEGRE SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	37tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	11 441			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	8 043			
Total CO_2 reduction TCO_2	8 006			

YAYSUN SPP 0,5 MW	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	7,55 tCO_2	* Use of passenger cars	0,50%	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	850			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	597,55			
Total CO_2 reduction TCO_2	590			

DENİZLİ SPP PROJECTS	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	70 tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	12 573			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	8 839			
Total CO_2 reduction TCO_2	8769			

AMASYA SPP PROJECTS	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	49tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	16 153			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	11 356			
Total CO_2 reduction TCO_2	11 307			

TOKAT SPP PROJECTS	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	35tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	7 957			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	5 594			
Total CO_2 reduction TCO_2	5 559			

AKFEN YENİLENEBİLİR SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	5tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	820			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	576			
Total CO_2 reduction TCO_2	571			

ÇALIKOBASI HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	84 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	16 770			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	11 789			
Total CO_2 reduction TCO_2	11 705			

ÇİÇEKLİ HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	311 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction continues.			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	Construction continues.			
Total CO_2 reduction TCO_2	------			

OMICRON ENGİL 208 SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	260 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	2 191			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	1 540			
Total CO_2 reduction TCO_2	1 280			

OMICRON ERCİŞ SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	144 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	2 131			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	1 498			
Total CO_2 reduction TCO_2	1 354			

ME-SE SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	127 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	1 816			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	1 277			
Total CO_2 reduction TCO_2	1150			

YAYSUN SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	143,39 tCO_2	* Use of passenger cars	0,50%	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Direct CO_2 emission intensity	24000			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	16872			
Total CO_2 reduction TCO_2	16728,61			

MT SPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	11 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	2 285			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	1 606			
Total CO_2 reduction TCO_2	1 595			

KOCALAR WPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO2 emission intensity	35 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction continues.			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	Construction continues.			
Total CO_2 reduction TCO_2	------			

ÜÇPINAR WPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	35 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction continues.			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	Construction continues.			
Total CO_2 reduction TCO_2	---			

DENİZLİ WPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	10 911 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction continues.			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	Construction continues.			
Total CO_2 reduction TCO_2	---			

AKFEN HEAD OFICE	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	27 900 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	---			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	---			
Total CO_2 reduction TCO_2	---			

TOTAL	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO_2 emission intensity	None	None	None	None
Indirect CO_2 emission intensity	41 815 tCO_2	* Power plants * Sites *Head office	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	572 772,45			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	402 659,03			
Total CO_2 reduction TCO_2	388 744,69			

Table 17- Greenhouse gas emissions and greenhouse gas reduction values In 2018

Akfen Renewable Energy generates 572,772.45 MW / h of electricity from renewable sources annually. In other words, approimately 337,000 houses' electricity needs are met by the electricity produced. With the production of electricity from renewable sources, 325,105 tons of CO_2 emission reduction is achieved annually. This is equivalent to the emission reduction of 15 million trees per year.

The comparison of total CO_2 reduction (tCO_2) with last year is given below.
CO_2 reduction for 2017 (tCO_2): 344,737
CO_2 reduction for 2018 (tCO_2): 389,714

As a result of the waste management activities implemented in the construction and operation sites, a total of 95,753 tons of waste paper was collected separately and recycled. Recycling of 1 ton of waste paper prevents the cutting of about 17 adult trees. Approximately 1,627,801 trees were preventing from cutting by recycling waste paper. About 1,266 kg of waste plastic was collected separately at the operations and construction sites and recycled in 2018. When 1 ton of waste plastic is recovered, 14,000 kwh energy is saved. About 17,724 kwh of energy was saved with the waste plastic sent to recycling.

GS and VCS projects have been developed by Company in the scope of Voluntary Carbon Market for carbon reduction. In the following table, carbon credit amounts are given in the HEPP projects whose verification studies are finished. Verification and registration studies for SPP projects are ongoing. Carbon certification works will also be initiated for new WPP projects.

Project	Certificate	Date	Credit Amount (tCO2e)
Çamlıca III HEPP	VCU	2011	32.175
		2012	39.410
		2013	28.707
Saraçbendi HEPP	VCU	2011	14.707
		2012	31.197
		2013	37.889
Otluca HEPP	VCU	2011	61.734
		2012	100.466
		2013	79.501
Sırma HEPP	VCU	2011	4.564
		2012	12.804
		2013	6.615
Demirciler HEPP	GS	Verification studies are going on	0
Gelinkaya HEPP	GS	Verification studies are going on	0
Kavakçalı HEPP	GS	Verification studies are going on	0
Sekiyaka HEPP	GS	Verification studies are going on	0
Yağmur HEPP	GS	Verification studies are going on	0
Amasya Boyalı HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Tokat Kuşoturağı HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Yaysun HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
MT HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
ME-SE HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Omicron Engil HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Omicron Erciş HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Solentegre HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Fırıncı HEPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Üçpınar WPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Kocalar WPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Hasanoba WPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
Denizli WPP	VCS	Volunteer Carbon Market records were created. Work continues.	0
TOTAL			449.769

Table 18- VCS Carbon Credit Amounts

Waste and Hazardous Materials (please fill in the following tables, add the required rows / columns)

PROJECTS / WASTE TYPE	TOTAL WASTE AMOUNTS IN 2018																	
	Domestic Waste (Kg)	Plastics (kg)	Paper (kg)	Glass (kg)	Metal Scrap (kg)	Wood Scrap (kg)	Waste Oil/ /Lubricants (kg)	Madical Waste (kg)	Electronik Waste (kg)	Printing Toners (Hazardous material) (each)	Leaded Batteries and Accumulators (kg)	Florescent Lamb (kg)	Contamineted Material (kg)	End-of life tyres (kg)	Conataminete d Packaging Waste (kg)	Contamineted Soil (kg)	Dye Waste (kg)	Waste Vagetable Oil (kg)
STORAGE,USE and /or DISPOSAL METHOD	Belediyeye verilmektedir.	Disposal by municipality.	Disposal by municipality.	Disposal by municipality.	Disposal by municipality.	Transferred for disposal	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Given to vendor when bought new one.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.	Transferred to licensed firms for disposal.
OTLUCA HEPP	6.300	0	0	0	0	0	2800	0	0	0	370	18	300	0	100		100	80
SIRMA HEPP	1.150	0	5	0	0	0	100	0	0	0,5	1	1,5	20	0	2		0	0
SEKİYAKA HEPP	600	75	20	50	0	0	100	0	0	1	10	1	75	0	40		0	0
DEMİRCİLER HEPP	2.600	0	5	0	0	0	500	0	0	1	2	1	15	60	4		0	5
KAVAKÇALI HEPP	1.440	20	20	20	0	0	250	0	0	2	2	10	50	0	20	0	0	0
GELİNKAYA HEPP	730	25	20	30	0	0	15	0	0	0	820	4	5	0	0	0	0	0
SARAÇBENDİ HEPP	4.020	5	0	2	0	0	40	0	0	0	0	0	5	0	10	0	125	5
ÇAMLICA HEPP	3.850	0	0		0	0	70	0	0	0	150	20	100	25	60	0	50	15
DORUK HEPP	3.200	0	0	0	0	0	1.000	0	0	1	0	0	11	50	25	0	0	20
YAĞMUR HEPP	3.800	20	20		0	0	310	0	0	1	2	0	0	0	8	0	0	6
DOĞANÇAY HEPP	5.500	0	0	0	0	0	700	0	0	10	0	10	320	0	0	0	0	30
SOLENTEGRE SPP and AKFEN YENİLENEBİLİR SPP PROJECTS	80	5	3	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0
YAYSUN SPP	5.000	0	17.500	0	240	15.000	0	0	1.080	0	0	0	20	0	20	40	0	0
MT SPP	8.000	0	17.640	0	200	12.120	0	0	1.100	0	0	0	10	0	30	40	0	0
MESE SPP	4.500	0	22.290	0	0	0	0	0	0	0	0	0	10	0	30	35	0	0
OMİCRON ENGİL SPP	4.000	560	16.220	0	0	0	0	0	0	0	0	0	170	0	250	180	0	0
OMİCRON ERCİŞ SPP	3.500	380	21.420	0	520	0	0	0	0	0	0	0	280	0	200	150	0	0
YEŞİLVADİ SPP	75	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMASYA SPP PROJECTS	55	3	5	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0
TOKAT SPP PROJECTS	60	5	2	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0
ÇALIKOBASI HEPP	4.700	0	0	0	0	0	0	0	0	0	0	0	3	0	10	0	20	0
ÇİÇEKLİ HEPP	14.000	30	0	0	50	0	300	0	0	0	0	0	0	500	50	0	0	70
ÜÇPINAR WPP	500	60	25	0	800	75	100	0	0	0	0	0	175	0	0	0	0	100
KOCALAR WPP	500	20	15	0	200	25	50	0	0	0	0	0	25	0	0	0	0	10
DENİZLİ WPP	140	5	1	0	20	15	1	0	0	0	0	0	0	0	0	0	2	0
YAYSUN SPP ETL	1.500	0	340	0	0	0	0	0	17.060	0	1	0	45	0	45	0	0	10
ÜÇPINAR WPP ETL and HASANOBA WPP ETL	175		50	0	0	0	0	0	0	0	0	0	0	0	30	25	0	1
AKFEN HEAD OFFICE	1.100	50	150	10	0	0	0	0	5	8	1	1	0	0	0	0	0	0
TOTAL	81.075	1.266	95.753	113	2.030	27.235	6.336	0	19.245	25	1.359	67	1.688	635	934	470	297	352

Table 19- Total Waste Amounts in 2018

Used hazardous chemicals:

Dangerous Material (Name and Number UN / CAS)	Field	Class /Division	Annual Amount (kg)	Maximum Quantity Stored at Site (kg)
Shell Tellus S2M 46	Sekiyaka HEPP	HPU system 1	160	160
Mobil DTE 24	Sekiyaka HEPP	HPU system 2-3	320	320
Shell Omala S2 g 68	Sekiyaka HEPP	Lubrication Unit 1	550	550
Mobil SHC 626	Sekiyaka HEPP	Lubrication Unit 2	250	250
Nynas Nytro	Sekiyaka HEPP	Power Transformer 1	1770	1770
Nynas Nytro	Sekiyaka HEPP	Power Transformer 2	680	680
P.Oil To 1020 60 UX	Sekiyaka HEPP	Internal Demand Transformer 1	265	265
Shell Omala S2 g 68	Sekiyaka HEPP	Reducer Covers	45	45
Shell Tellus S2M 46	Sekiyaka HEPP	Cover Hydraulics	180	180
PO Gravis M320	Sekiyaka HEPP	Bridge Crane	50	50
Castrol 15W 40	Sekiyaka HEPP	Generator	26	26
Shell Tellus S2 V 22 Industrail Hydrolic Oil	Demirciler HEPP	Plant	250	300
Shell Tellus S2 T 46 Industrail Hydrolic Oil	Demirciler HEPP	Plant	250	300
Nynas Nytro Lyra	Demirciler HEPP	Plant	4398	660
Castrol 15 W 40	Demirciler HEPP	Plant	60	60
Shell Diala Inhibitor Transformer Oil	Gelinkaya HEPP	Transformer	100	50
Shell Omega 68 Hydrolic Oil	Gelinkaya HEPP	Plant	250	100
Mobil Sch Cibus 220 Cas #: 579-82-0 Hydrolic Oil	Çamlıca III HEPP	Plant	250	150
Mobil Shc Polyrex 462 Cas #: 471- 34-1 Grease	Çamlıca III HEPP	Plant	250	150
Shell Tellus ZS 46	Doruk HEPP	Plant	400	400
Shell Diala Transformer Oil	Doruk HEPP	Plant	300	300
Concrete Additive	Çiçekli HEPP	Construction Site	47600	47600
Mold Oil	Çiçekli HEPP	Construction Site	600	600
Grease	Çiçekli HEPP	Construction Site	42	42
Hydrolic Oil	Çiçekli HEPP	Construction Site	540	540
Engine oil	Çiçekli HEPP	Construction Site	226	226
Paint Thinner	Çiçekli HEPP	Construction Site	160	160
Shell Tellus S2 V 22 Hydrolic Oil	Yağmur HEPP	Plant	150	100
Shell Tellus S2 M 46 High Performance Hydraulic Oil	Yağmur HEPP	Plant	150	100
Shell Tellus M 68 Hydrolic Oil 150 Liter	Kavakçalı HEPP	Plant	150	150
Shell Tellus Oil 46 Hydrolic Oil 120 Liter	Kavakçalı HEPP	Plant	120	120
Shell Tellus Oil 46 Hydrolic Oil	Saraçbendi HEPP	Plant	250	100
Shell Omala S4 Gx 320 Gear Oil	Doğançay HEPP	Plant	500	500
Total Azolla ZS46 Hydrolic Oil	Doğançay HEPP	Plant	200	200
Shell Molina SB 150 Bearing Oil	Doğançay HEPP	Plant	200	200
Shell Tellus S2M46 Hydrolic Oil	Doğançay HEPP	Plant	400	400

Dangerous Material (Name and Number UN / CAS)	Field	Class /Division	Annual Amount (kg)	Maximum Quantity Stored at Site (kg)
Mobil Shc Polyrex 462 Cas #: 471-34-1 Grease	Doğançay HEPP	Plant	150	150
Shell Gadus S3V 770d Grease	Doğançay HEPP	Plant	60	60
Shell Gadus S2V 220 C Grease	Doğançay HEPP	Plant	20	20
Shell Turbo T46 Turbin Oil	Sırma HEPP	Plant	1590	1200
Nynas Nytrotrafo Oil	Sırma HEPP	Transformer	3168	1150
Shell 15/40 Generator Oil	Sırma HEPP	Generator	13	6
Petrol Ofisi M320	Sırma HEPP	Crane	1	9
Shell Turbo 46	Sırma HEPP	Plant	1370	500
VG220 Gear Oil	Sırma HEPP	Batardo Log	105	50
No. 90 Gear Oil	Sırma HEPP	Bottom Weir Cleaning Log	6	5
Lukoil No.10 Engine oil	Sırma HEPP	Compressor	6	6
Shell 15/40 Generator Oil	Üçpınar-Kocalar WPP	-	10	10
Nynas Nytro Transformer Oil	Üçpınar-Kocalar WPP	Generator	5	
Petrol Ofisi M320	Üçpınar-Kocalar WPP	Construction Machine	100	
Shell Turbo 46	Üçpınar-Kocalar WPP	Construction Machine	150	

Table 20 - List of Used Chemicals

PS4, PK4 - COMMUNITY HEALTH, SAFETY AND SECURITY

Using the table below list and briefly describe any new initiatives implemented in relation to community health and safety during the reporting period. Include risk assessments, new infrastructure and equipment; hazardous materials and safety management, transportation and exposure to disease.

Mitigating measure	Expected or actual date of implementation	Future planned mitigation measures?
Mitigation measures taken in the operating plants: Unauthorized access is blocked by turning the fences around the site. In addition, warning signs are placed in order to warn local people and 3rd party persons. 24 hour camera system is used for environmental security control. Security personnel are available. There is no need for a new infrastructure or new equipment to be introduced during this period. Off-Site Emergency Action plans have been prepared.  MT GÜNEŞ ENERJİ SANTRALİ -OFF SITE ACIL PLANI- HAZİRAN 2018 There is an accident registration system. Effective communication with the local people is established. Local people are informed about how to make their complaints.	These measures are available	Environmental Protection and Warning Systems Project Files approved for Yağmur HEPP, Sekiyaka HEPP, Kavakçalı HEPP, Sırma HEPP, Doğançay HEPP and Demirciler HEPP will be started to apply. Traffic Management Plans were implemented and necessary revisions will be made. Off-Site Emergency Plans will be implemented and necessary revisions will be made. Operations will continue to make drills with the participation of local people and training will be held.

Mitigating measure	Expected or actual date of implementation	Future planned mitigation measures?
SEPs were prepared. Public Relations specialist makes meetings with local people to inform them about the project. There are special areas reserved for storing hazardous waste in power plants and trainings (about legislative requirements and best sectoral practice examples) and inspections are carried out on hazardous waste storage. Traffic Management Plans are prepared for each plant and sample applications are given in Annex-21. A shadow flicker and blade/ice trow effect assessment report was prepared for Üçpınar, Kocalar, Hasanoba and Denizli WPPs. This report is given in Annex-19. According to the assessments made in this report no community health, safety and sequrity effect is expected. Environmental Protection and Warning Systems Project Files were prepared and approved (by State Hydraulic Works Directorate) for Yağmur HEPP, Doruk HEPP, Çalıkobası HEPP, Sekiyaka HEPP, Kavakçalı HEPP, Sırma HEPP, Doğançay HEPP, Demirciler HEPP and Gelinkaya HEPP. Environmental Protection and Warning Systems Project File requirements were implemented in Doruk HEPP, Gelinkaya HEPP, Çamlıca III HEPP and Çalıkobası HEPP. Implementations for other plants will be done in 2019. Necessary preventive actions were taken against landslides in HEPPs. Hazardous wastes are deposited, transferred and disposed according to legislations. “Health First Project” was developed together with TİKAV to increase awareness on health problems and first aid trainings were provided to local people at project locations.		
Mitigation measures taken for the projects where construction activities continue: Unauthorized access is blocked by surrounding the sites with wire mesh. In addition, warning signs are placed to warn local people and 3rd party people. Entrances and exits to construction sites are monitored and recorded for 24 hours by the guard. Security personnel are available.	These measures are available	Environment and OHS trainings will continue in 2019 and zero accident will be targeted.

Mitigating measure	Expected or actual date of implementation	Future planned mitigation measures?
The most appropriate routes are selected for site transport roads to minimize potential danger for surrounding settlements, and the speed limit and horn restraint has been introduced for residential areas. In dry seasons, water spray is carried out in order to avoid dust storms in uncovered roads (See Photograph 23). Employees are forbidden to move around in the residential areas. Informational meetings are organized about the project activities for local people by the public relations officer. Local people are informed in advance in case of road construction, energy interruption, heavy load transportation, etc. Local people are informed about how to make their complaints. Social action plans are prepared by expert sociologist. Effective communication with local people is being established. Emergency Action plans were prepared. Drills were made with participation of local people. There is an accident registration system. Traffic Management Plans were prepared for construction sites and operations. There are special areas reserved for storing hazardous waste at sites and trainings (about legislative requirements and best sectoral practice examples) and inspections are carried out on hazardous waste storage.		Constructor implementations and stakeholder complaints will be reviewed in 2019 and necessary improvements will be made. Construction sites are inspected by consulting company. Implementations are controlled to see if there is any deviances from Akfen's ESMS.

Table 21-Community Health and Safety

Photograph 23 - Action photos of dust prevention measures taken at construction sites

During the reporting period any emergency drills have been conducted with community participation? Are the communities aware of the emergency response plans?

It is deemed necessary to make emergency training and drills should be done with public participation. Off Site Emergency Response Plans have been prepared for all HEPP's. Emergency training and drills with local people participation were done at HEPP projects during this reporting period as well. Sample images of Emergency Response Training given on 28.06.2018 at Yağmur HEPP with the participation of the local people are given in Photograph 24. This training and drill lasted 3 hours with participation of 12 people and local people were informed about possible emergencies. 30-minutes of emergency training with 15 participants was given at MT SPP. 1 hour of emergency training with 24 participants was given at Omicron Engil 208 as well. Images from the off site emergency trainings given in Photograph 24.

Yağmur HEPP


Omicron Engil 208 SPP

Photograph 24- Sample Images from Emergency Trainings with Participation of the Local People

Please describe any changes in the Company's engagement with private/public security forces during the reporting period and any corresponding agreements.

As in previous periods in 2018, private security services are provided in some operations, on the other hand the Company personnel provide security services for rest of them. All security personnel are qualified and certified. It is proved by the medical reports that they are eligible for the job. Security service is provided with unarmed and by shifts (See. Photograph 25). In this reporting period, Security Plan was prepared for the commissioned SPP projects and WPP projects under construction (See Annex 24). Projects started to be procured Security Plan in 2018; ME-SE SPP, Yaysun SPP, MT SPP, Omicron Erciş SPP and Omicron Engil 208 SPP. During the operation period of these projects, security service is provided with a private security officers with four people teams.


Photograph 25 - Sample Security Cabinets

PS5, PK5 - LAND ACQUISITION AND INVOLUNTARY RESETTLEMENT

Provide the following information regarding land acquisition required for the project that has taken place during the reporting period. If none, write "N/A" and skip this section.

Change of Pasture Qualification was made during this reporting period for Omicron Erciş SPP lands which construction phase was completed took into commisioning phase in 2018 and PSI Engil 207 SPP lands which are currently in the EPC procurement stage. Each project is 20 hectares, with a single parcel with pasture characteristic. The lands in question were changed to treasury land by changing pasture qualifications within the scope of Pasture Law No 4342. Prices were paid to the Provincial Directorate of Agriculture and Forestry for the areas extracted from pasture status. A leasing agreement has been made for the areas changed into treasury land and the annual rental fees will be paid.

Within the scope of the projects, land access protocol is being carried out in land acquisition studies. Used land Access protocols are given in the annex (See Annex 23).

The expropriations of the energy transmission line routes of the SPP projects, whose construction works were completed, are carried out by TEİAŞ-TEDAŞ according to the relevant legislation. In this report period, land acquisition studies and resettlement has not been performed except conversion of the pasture lands to the treasury land shown in Table 22.

OMİCRON ERCİŞ SPP PROJECT	Number of Parcels	Hectare	Land Acquisition% total area
Total area expropriated during the reporting period	1	20	100
Total area of affected agricultural land	Yok	Yok	Yok

PSI ENGİL 207 SPP PROJECT	Number of Parcels	Hectare	Land Acquisition% total area
Total area expropriated during the reporting period	1	20	100
Total area of affected agricultural land	Yok	Yok	Yok

Table 22- Land Acquisition

DISPLACEMENT INDICATORS

There is not any affected individual since there was no occupier in the treasury lands which are expropriated in 2018.

	Total land (ha)	Total family / business	Total individual	Re-placed / restored to-date	Pending	Comments
1. Physically displaced	None	None	None	None	None	None
Official title holders	None	None	None	None	None	None
Unofficial Slum Residents	None	None	None	None	None	None
Tenants	None	None	None	None	None	None
TOTAL	None	None	None	None	None	None
2. Economically displaced	None	None	None	None	None	None
	None	None	None	None	None	None
	None	None	None	None	None	None
	None	None	None	None	None	None
	None	None	None	None	None	None
3. Physically and Economically (Both) displaced	None	None	None	None	None	None
TOTAL	None	None	None	None	None	None

Table 23- Displacement

NOTE: Please provide the following information regarding families/individuals/business directly affected by land acquisition

Briefly describe any measures to avoid impacts on livelihoods and residences during the reporting period.

No land acquisition was made through expropriation in 2018 except pasture lands were changed to treasury lands.

Briefly describe the type of solutions provided for new physically displacement and economic displacement not included in the Resettlement Plan.

* Alternative field studies are being carried out in SPP and WPP projects, in order not to locate project structures to settlement areas and agricultural land.

* Projects are being developed on the areas that both the project can be done technically and stakeholders will not be affected negatively from the project. However, if the project coincides with the personal interest; meetings are held between the administration and the company on the expropriation studies for these immovables. Notices regarding the project are made to the landowners who are to be expropriated, and the expert's questionnaire prepared by the court in the legal process is preparing the immovable appraisal reports. As a result, the necessary work is being carried out for stakeholders not to suffer.

* It is preferred that all SPP Project sites are built on pasture lands that ar not suitable for agriculture. For this pasture area, a change of skill is made and it is registered as a treasure land in the tapestry. The rent is paid to the Treasury every year for these lands, and if it is a pasture grassland, it is paid to the Provincial Directorate of Agriculture.

*The fields where dry farming is done and approvement was taken from administration to make an SPP Project are selected. When the real estate lands are unavoidable, it is preferable to purchase voluntarily without expropriation.

* Detailed plans are made on the topographic and cadastral maps in order to ensure that the ETL (Energy Transmisson Line) route does not coincide with the agricultural area and the residential area between the power plant and the transformer center (TC) to be connected within the scope of the route works of ETL projects approved by TEDAŞ / TEİAŞ.

*As far as WPP project are conserned, attention is paid for site selection. Bacuse of the nature of this projects, they are situated on hills and peak points. These places are normally eroded lands and not suitable for agriculture and settlement. While placing wind turbines, obstacles, protected areas, forest intensity, natural protection areas are eliminated and land having other than these characteristics were selected. When necessary, turbine locations may be changed, unless it remains in the EIA Report boundaries.

Briefly describe any special measures for particularly vulnerable cases (displacement elderly, female-headed household, etc)

No resettlement was made during this reporting period.

Please attach detailed information/report of the resettlement process as per the Resettlement Action Plan monitoring arrangement.

No resettlement was made during this reporting period.

Has Client Company made any new investment or acquisitions that have resettlement issues as defined by PS5? ☐ **Yes** ☒ **No**

If the answer is yes please provide copy/ updated information of the Resettlement Action Plan, Framework or other resettlement management plans or reports.

Using the Table provided below list any grievance or dispute (include court action) regarding land acquisition or resettlement received during the reporting period, describe how it was addressed and its current status.

No disputes have been brought to court due to land acquisition during this reporting period and there is not any written complaints reported to Company also.

Complaint / Date of dispute	Complainant	Problem	Solved (Y/N)	Action taken	Closing date
-	-	-	-	-	-

Table 24- Disputes about Land Acqusition

PS6, PK6 – BIODIVERSITY CONSERVATION AND SUSTAINABLE MANAGEMENT OF LIVING NATURAL RESOURCES

Using the table below describe any new activities or expansions that have increased the project footprint into new areas of habitat during the reporting period.

New project has not been developed in this period. However, monitoring studies and biodiversity studies were conducted for the existing projects and the reports and short summaries are given in Annex-3.

Landscaping and afforestation works were carried out in operations. Sample images of these studies are given in Photograph 26.

Otluca HEPP

Çamlıca III HEPP

Saraçbendi HEPP

Doruk HEPP

Sırma HEPP

Photograph 26 -Landscaping and Afforestation Works in Operations

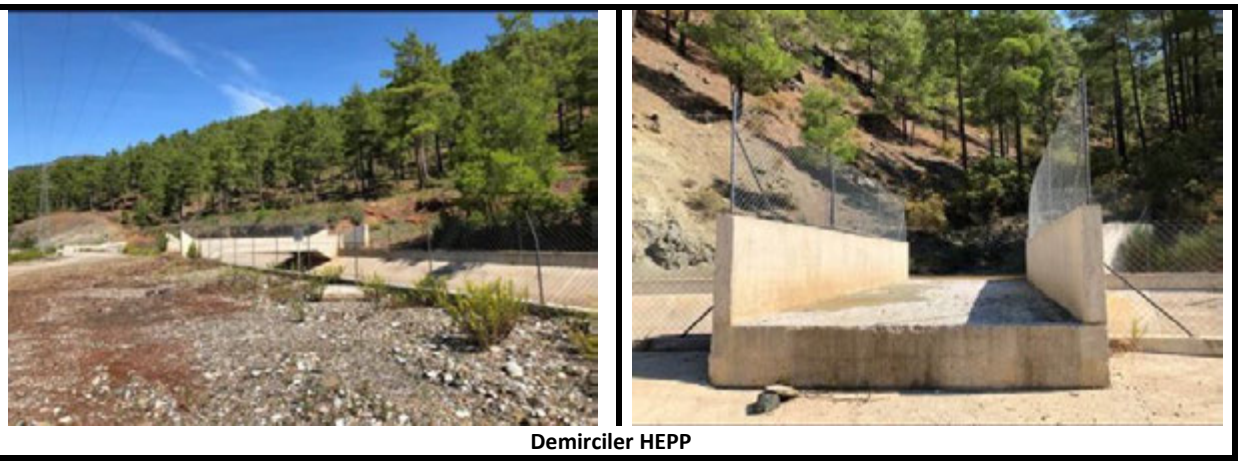
In order to ensure the sustainability of the natural life, HEPP projects in operation have a fish passage. In the Çamlıca III HEPP project, fish transport is carried out. In this context, with the regulator HEPPs; fish passage, current monitoring station, follow-up of the water which is left to the river for natural life, sufficiency etc. controls were carried out. The report containing the result of the control of HEPP with regulator is given in Annex-20.

The images of Kavakçalı HEPP and Doruk HEPP fish passages are given in Photograph 27. The images related to fish transport in Çamlıca III HEPP are given in Photograph 16 and fish transport reports are given in Annex-10.

Photograph 27-Sample Fish Passage and Current Monitoring Station Applications in HEPPs

The release of sufficient amount of ecological flow (life water) in HEPPs is also a matter of importance by the Company. The flow monitoring of the life water is continuously controlled by the Current monitoring Stations.

In the power plants where the channel structures and the water are transferred to the power plant, there are transition structures so that the transmission channel does not interfere with the passage of fauna. There are two such power plants and these are Saraçbendi HEPP and Demirciler HEPP. These plants have fauna transitions on the transmission channels (See Photograph 28). Thus, wild animals can move between both sides to meet water and food needs.



Demirciler HEPP

Saraçbendi HEPP

Photograph 28- Examples of Fauna Transitions

Using the table below provide details of deforestation conducted during the reporting period.

Field	Total deforestation area	Type of lost species	Total area reforested	Type of planted species	Reforestation for commercial use Y/N
Çalıkobası HPP	-	Acacia Alder Hornbeam Spruce	85.000 m^2	East Spruce Acacia Alder Hornbeam	N
Çiçekli HEPP*	-	-	-	-	-

* The total area for this period is not definite, since project studies are ongoing. After the end of the construction works, the site will be rehabilitated and delivered to the administration and the total amount of forestation will be determined.

Table 25- Deforestation

Using the table below provide details of fish and other aquatic species harvesting during the reporting period.

During this reporting period fish and other aquatic species were not caught. On the contrary, fish transportation work was carried out at Çamlıca III HEPP project, ensuring sustainability of the eco-system. Both in spring and autumn 2018 fish transportation was done. A 'Fish Catching, Transportation and Release' report was prepared and given in Annex-10. Fishing and hunting in the regulator ponds in our plants is prohibited by the **Guideline for Environmental Protection, Security and Warning Systems for Energy Use Facilities** published by the General Directorate of State Hydraulic Works (DSİ).

Site	Volume harvested	Type of species
None	None	None

Table 26- Hunting of aquatic species

PS8 – CULTURAL HERITAGE

Using the table below list new cultural property discovered in the course of project activities during the reporting period.

Location	Date of discovery	Type of discovery	Additional protection measures taken
None	-	-	-

Table 27- Cultural Assets

No evidence of any cultural heritage in our projects had been encountered.

AMR SECTION IV

NEW DEVELOPMENT

Social and Environmental Screening/ Elimination

Please list projects which have come under active consideration for development by since the last report. For the first report please list the opening project.

We do not have a new project developed in 2018. The information of Hasanoba WPP, which was developed in 2017 and commenced construction in 2018, is given in Figure 2.

There is a displacement between T1 and T2 turbines in the Hasanoba WPP Project, no change was made in the number of turbines which were 17, and after the all discussions with the stakeholders, it was decided to make displacement with T1 and T2. In this context, all permit works related to 15 turbines were completed and construction works were started. Administrative permit studies of 2 turbines were initiated. The map in Figure 2 shows the old and new places of the turbines.

The fact that the turbines were close to the settlements, when they looked down from the lower elevations disrupted the visual impact, and that the expansion of the village settlement could lead to these regions, these subjects led the stakeholders to demand a change in the turbine locations. These demands of the local people were taken into consideration and met in the common denominator.

In the final form of the project, all mast places and roads remain on the forest land, and there is no privately owned land.

Project Introduction: *Hasanoba Wind Power Plant (WPP) is situated in Central district of Çanakkale province. When it starts to operate, it will produce average* 178.500.600 kWh/year energy with its 51 MW installed power capacity.

Short Description of HASANOBA WPP

Installed Power	: 51 MW
Production Capacity	: 178.500.000 kWh/yıl
Location	: Çanakkale Province, Center District
Operating Company	: Kovancı Enerji Üretim Pazarlama İth. ve İhr. A.Ş.
Started to Operate	: -
License No	: EÜ/3712-3/2262

Environmental and Social Impact Assessment: Hasanoba WPP has received an EIA Not Necessary Decision (Decision date: 07.02.2012, Decision No: 2012/09) as per the abrogated Environmental Impact Assessment Regulation dated 17.07.2008 and numbered 26939. All construction and operational works will be done with care not cause any environmental pollution;

- Environmental protection is a must
- All wastes that can cause environmental pollution will be disposed according to local legislations,
- All works will be carried out according to Environmental Law (having no. of 2872) and its regulations
- Project has Eco-System Evaluation Report
- Project has Landscape Rehabilitation Report
- Project has Noise Evaluation Report and Noise Maps
- Monitoring studies were done for birds in spring and autumn
- Local people will have a priority for employment

Pre construction works are carried out at the moment

Environmental and Social Impacts/Benefits: *Renewable energy production will promote use of national energy sources and production of clean energy. Project will offer employment opportunities to local people and create economical improvement.*

Social Engagement Plan: *A social engagement plan was prepared to determine social aspects of the project. This is published on web site of Akfen (www.akfenren.com.tr).*

Mitigation and Management Measures: Hasanoba WPP will be operated with an epitomic institutional sense of obligation and it will be a sample. All acting legislation will be followed.

Carbon Certificate: *Hasanoba WPP is a Voluntary Emission Reduction project of Gold Standard and a carbon certificate will be obtained.*

Communication: *Grievances and proposals can be made to Mr.* BURAK SOLMAZ by *phone, fax and e-mail given below.*

Pbx:.0 530 954 18 87 Fax: 0312 441 68 14 e-mail: bsolmaz@akfen.com.tr

Figure 2- Hasanoba WPP Information

Figure 3 : Settlement Locations Around Hasanoba WPP Area (T01 -T02 New Turbine Area / T1 and T2 Old Turbine Area)

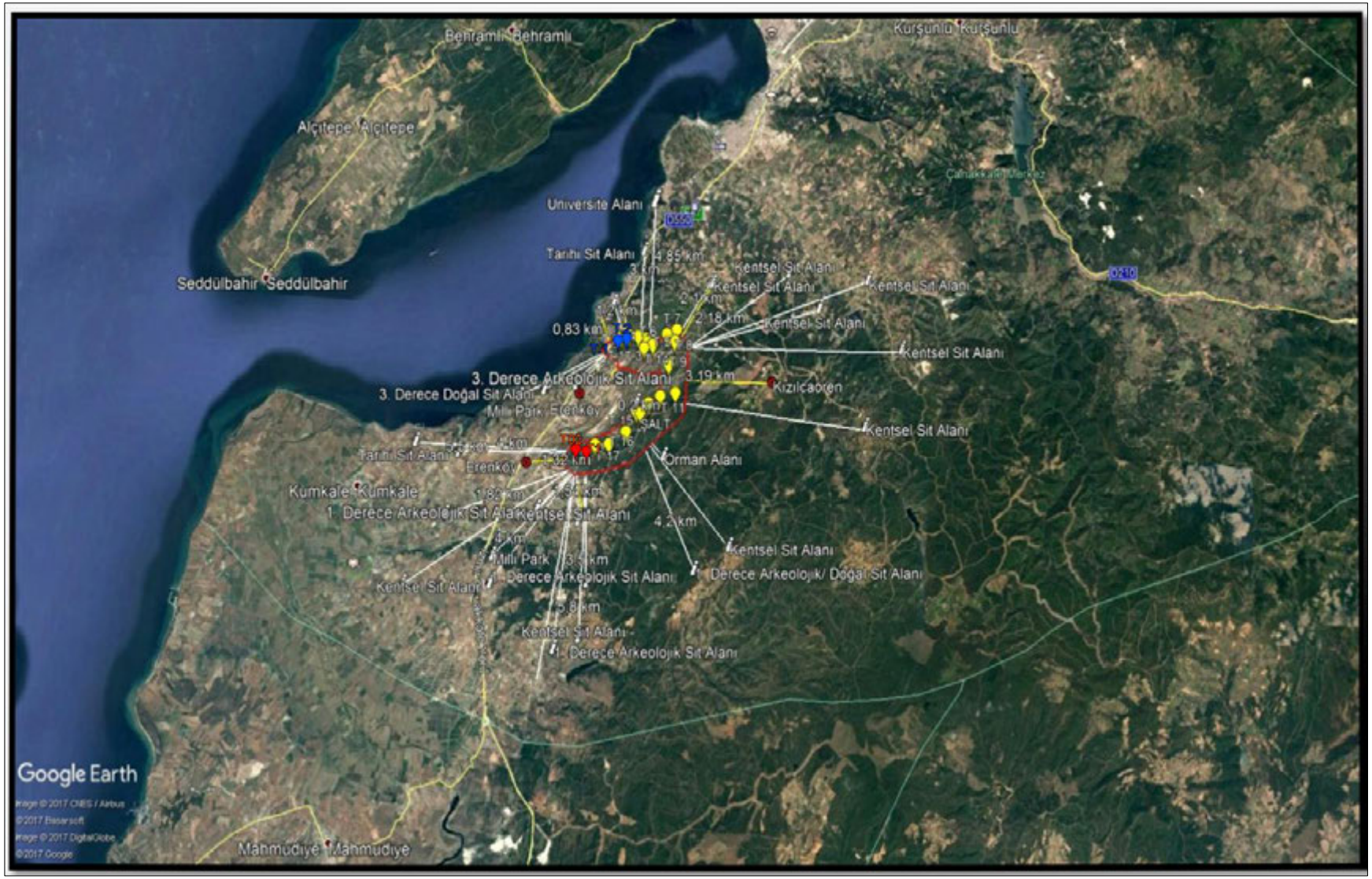


Figure 4: Protected Areas Around Hasanoba WPP

PROJECTS COMPLETED OR IN PROGRESS DURING THE REPORTING PERIOD

Please complete the table to list the projects completed during the reporting period, which are operated by Akfen or which are under construction, and how environmental and social risk was managed in these projects. If risk management cannot be adequately covered in the sections which follow, please add any relevant information if required.

Project	Situation (Ex: during construction, completed)	Significant risk management measures have been taken
ÇALIKOBASI HEPP 2. POWER PLANT	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the Çalıkobası HEPP 2. Plant. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Management Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
OMPOWERICRON ENGİL 208 SPP	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the Omicron Engil 208 SPP. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Management Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
OMICRON ERCİŞ SPP	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the Omicron Erciş SPP. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
ME-SE SPP	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the ME-SE SPP. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.

Project	Situation (Ex: during construction, completed)	Significant risk management measures have been taken
MT SPP	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the MT SPP. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
YAYSUN SPP 9,98 MW	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the YAYSUN SPP. National waste management is applied in compliance with the legislation. Trainings in the subjects of environment awareness, social relations and OHS were conducted. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems were started, risk management will be systematic. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared. 154 kV substation has been constructed within the scope of Yaysun SPP and its construction has been completed within the reporting period. The documents of the substation are given in the annex (See Annex-24).
ÇİÇEKLİ HEPP	It's under construction.	Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn limitations have been set so as not to disturb the local settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good practices. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.

Project	Situation (Ex: during construction, completed)	Significant risk management measures have been taken
HASANOBA WPP	It's under construction.	Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the local settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good practices. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
KOCALAR WPP	It's under construction.	Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the surrounding settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good practices. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
ÜÇPINAR WPP	It's under construction.	Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the local settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred.

Project	Situation (Ex: during construction, completed)	Significant risk management measures have been taken
		The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good practices. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.
DENİZLİ WPP	It's under construction.	Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the local settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good practices. A Traffic Mangement Plan has been prepared for the project. Off Site Emergency Action Plan has been prepared.

Table 28 :Projects Completed or Underconstruction During the Reporting Period

SELECTION / ELECTION STUDIES BEFORE PROJECT DEVELOPMENT

Please fill in the table below to show how the Company has been selected for such projects to identify potential adverse environmental and / or social impacts that may arise from these potential projects within IFC's Performance Standards. If any issues are found, please briefly explain how the Company is managing these issues in accordance with the IFC Performance Standards and local laws. Please also indicate whether the official Environmental and Social Impact Assessment has been prepared for each project.

A new project has not been developed in this period. Therefore, before development selection-election study has not taken place.

AMR SECTION V

ACTION PLAN STATUS AND UPDATE

Please update us in the current status of the action plan, define the dates when pending actions will be implemented. Please refer to the initial ESAP for the indicators and deliverables.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
2	1.1	Develop and implement an environmental, health and safety management system at the corporate and site level. Ensure appropriate reporting lines to be implemented through Akfen Holding . Attain certification to ISO 14001, OHSAS 18001and ISO 50001.	- 2018	31/12/2018	Developing an implementation plan in 2016 Corporate certification by 2018		ISO 9001 Quality Management System and ISO 14001 Environmental Management System cerficates were obtained on 24/01/2017. OHSAS 18001 Occupational Health and Safety Management System and ISO 50001 Energy Management System cerficates were obtained on 01/02/2017. Quality system implementation are going on at plants and head office and necessary revision were done. An intermediate audit was done on 16-18 April 2018 at Akfen Head Office and following weeks plant audits were done by ICIM. Quality system certificates were submitted in 2016 AMR. External audits were also done at construction sites to check EHSS performance of contractors.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
4	1.2	As a part of EHS management system, nominate and maintain an EHS manager at corporate level. The person should be a main point of contact for every stakeholder, NGOs, local communities and grievances from third parties, as well as review all new EIA's for new projects and maintain an internal audit system	December 2016		Summarize HSSE Organisation chart in annual report		Mr. Hakan BOZKURT has been appointed as the Director of Environment and Occupational Health and Safety at the institutional level for the management of environmental, social, occupational health and safety issues. In Annual Report Section - PS1/PK1 :1, an organization chart of Akfen's social, environmental and OHS issues is given. Complaints from stakeholders, NGOs, local communities and 3rd parties will be sent to the Environment and OHS Director by following the sequence indicated in the organizational chart. EIA reports and other related documents of new investments were evaluated before investment decision were taken. Reqirements of EIA reports of operating plants were fulfilled by necessary monitoring and audits. Environment and Social, Management

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
5	1.3	Create an ”environmental council” consisting of environmental, H&S and social specialists from the operations to improve information exchange and strategic planning. As part of the EHS team and ‘environmental council’ Develop a procedure for an inspection and maintenance programme with regards to dam safety against ICOLD standards. Implement the inspection programme once the procedure is developed. As part of EHS management plan prepare an emergency response plan, (and implement when necessary) inclusive of an early warning procedures in case of flood threatening the public (typically for floods with a return period of five years or more).	2015 - ongoing		Summarize in annual report		The Environment Council was established to improve information exchange and strategic planning. In the Environment and Social, Management System, job definitions and organization diagram are given. The Environment Council determines social and environmental impacts of new investments and inform General Director about these issues. ICOLD audit procedure is applied in the scope of Environmental and Social Management System for dam safety. DOĞANÇAY HEPP and Çamlıca III HEPP were inspected within this scope on Oct. 19, 2018 and Oct.11,2017 recpectievly. Çamlıca III and Doğançay HEPP’s have prepared an "Environmental Protection, Security and Warning Systems Guide for Energy Use Facilities" to be presented to the Maintenance Department of Directorate of State Hydraulic Water Works of Ministry of Agriculture and Forest. These guidelines were approved in this period and implementations were done. The ICOLD audit report is given in Annex-14.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							Emergency response procedure for HEPPs has been prepared within the scope of Environment and Social Management System. Emergency Response Plans have been established, including possible floods. Audible warning devices were also mounted.
	1.4	Develop and implement a Corporate and Social Responsibility (CSR) Policy for the Company. Create synergies with Akfen Group Foundation social investment activities. This programme should contain high quality information on objectives, methodologies, target dates and Key Performance Indicators (KPI) same as corporate requirements. Develop a programme for community engagement for each plant. Prioritise the most vulnerable and affected communities in CSR projects. Publish CSR report, as part of disclosure of non financial information every year	2017 First report for 2017 in 2018		In annual report provide status of implementation Copy of the CSR report	This action will be on the agreement but will not be disclosed on IFC project data base	As a social responsibility project, TIKAV has developed a project called ' Health First Project'. With this project, women over 18 years old were trained to increase wareness about general health problems, fist aid, cancer, periodical health scans, gynaecological diseases and organ donation. At 17 plant locations of Akfen, seminars were given and first aid training was given. It was identified that local residents living in rural areas do not take advantage of the health services provided by the government or enter regular health scans due to their negligent approach and conservative perspectives about health issues. The methods of improving the daily life quality of the participants and reducing the effects of the diseases were showed with simple applications.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							Acivity reports of the project are give in Annex-6. Coordinator for the implementation of this project: TIKAV Financier: Akfen Organization Supporter: Mukhtars and village health units.
	1.5	Review and check the labour conditions of long term (>1 year) subcontractor companies proving services to the power plants.	2015/16 ongoing		Summary in annual report to EBRD and IFC	This action will be on the agreement but will not be disclosed on IFC project data base	Subcontractors providing long-term service for more than one year are contractors of Çalıkobası HEPP and Çiçekli HEPP projects. Construction of Çalıkobası HEPP was completed in 2018. Within the scope of the Environmental and Social Management System, both construction sites were inspected by environmental engineers and OHS engineers. Besides these construction of Hasanoba WPP, Kocalar WPP, Üçpınar WPP and Denizli WPP started in 2018 and the EHSS performance of contrctors were also audited. Environment and Occupational Health and Safety Assessment Forms included in the Environmental and Social Management System were used during the audit. These forms are prepared for questioning the requirements of national legislation and IFC-EBRD standards. The audit reports are given in Annex-7.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.6	Development of an Energy Saving Programme and conduct energy efficiency audits at each power plant. This should be undertaking as part of ISO 50001 implementation.	2018			This action will be on the agreement but will not be disclosed on IFC project data base	ISO 50001 Energy Efficiency Management System was established at all plants in operation. Energy efficiency studies made at Saraçbendi HEPP is given in Annex-15 as a sample study. Performance figures and benchmarks were used to determine reference values. In this context, the values of heating and cooling degree - days, total number of personnel, total working hours, indoor usage areas, and consumption values per electricity generation amounts are determined. By the end of 2018, it was aimed to change the usage habits, regular maintenance of the heating and cooling systems, method changes for the use of company vehicles and at least 5% saving in energy consumption. In this context, each power plant was checked by internal audits once a year as stated in Environmental & Soxial Management Systen. If there are deviations from the target, necessary corrective actions or new actions to achieve the targets set were determined.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							An off-grid electricity system was mounted at Akfen Head Office building which generates electricity for external lighting of the building. This will cause a considerable decrease in electricity consumption. Net amount can be seen when consumptions of 2017 and 2018 was compared. While SPWs were underconstruction, necessary electricity was supplied by the solar panels (See Photo. 21-22).
	1.7	Improve health and safety, with appropriate training and PPE. Aim to attain LTIR to 1 by 2016 and Total recordable incidents (TRIR) to less than 5. This applies to company direct acitivities only.	2015-18			This action will be on the agreement but will not be disclosed on IFC project data base	Employees and staff at the plants were trained (see Annex 1 Training Records) to protect their health, sefety and environment. They are also provided PPEs in accordance with the work they were doing and explained the necessity and importance of using it in trainings. Examples of records the useage of PPE at construction sites and plants are given in Annex-8. The Lost Time Injury Rate (LTIR) for 2018 and the Total Recorded Incident Ratio are calculated as follows: LTIR =0.30 TRIR = 0.51 Calculations are given in Annex-22.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
3	1.9	Develop a procedure of independent impact assessment (EIA) on environment, biodiversity and local communities as well as cultural heritage for all new investments. This will include appropriate biodiversity assessments for birds and bats - and aquatic surveys (fish etc). Design mitigation measure for each Project. Any new project that would fall under the EU EIA Directive will include a screening assessment which will be conducted by Akfen and its advisors(unless a project falls into a category no approval is required) to define the scope of the due diligence . all projects will follow National legislation, - The final EIA may consist of a local EIA plus supplementary information as defined by the screening assessment on environmental and social issues.For all projects where an EIA is required - publish a Non Technical Summary (NTS) at the time of the zoning plan Stakeholder Engagement Plan (SEP) on internet and disclose as appropriate "A" kind, category, EBRD and IFC will approve the project	2016(prosecure will be develop with in the first 6 months of 2016) onwards		Summary of work undertaken in annual report and copy of NTS or link to web site with NTS in annual report. Any A category Project or located in a sensitives areas (IBA, Protected areas, Key Biodiversity Areas etc) to be subject to a non objection from EBRD and IFC prior to application for construction permit.	The document will prepare in the report will be made as a Turkish and a summary in English will be provided in the annual report under the decision making process	The procedure to be followed in order to evaluate the environmental, biological diversity, geographical features and cultural heritage characteristics of a new investment area to be made by Akfen is described in Section 3.1.2 of the Environmental and Social Management System document. There were no new investments in 2018. Plant operation and construction works were carried out within the framework of sustainable development principles in order to protect the natural and social environment by considering environmental effects and alternative options. Monitoring and biodivercity reports were prepared according to national legislations (See Annex-3) Non-Technical Summaries and Stakeholder Participation Plans were prepared for each project and announced to the public at Akfen web site www.akfenren.com.tr

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.10	For any wind farm located in a bird sensitive areas defined in screening assessment by an ornithological or their advisers will undertake an appropriate bird and bat monitoring to assess environmental impacts. Any wind farm as defined in the screening assessment will need to include a cumulative assessment of all existing and planed wind farm projects in the near by area. No wind farm or hydro plant will be located on a Cultural Heritage site, or in a locally, nationally or internationally recognized protected area. As part of the screening assesment Akfen will review KBA (Key Biodiversity Areas) for key projects. The online version of Key Biodiversity Areas (Important Nature Areas) inventory in Turkish is available on: http://dogadernegi.org/yayinlarimiz.aspx and http://milliparklar.gov.tr Based on the screening assessment any wind farm located near a sensitive bird habitat or bird migratory route requires prior approval- and the definition of the scope of due diligence by EBRD and IFC.	2015 ongoing		Annual report to the Bank	This action will be on the agreement but will not be disclosed on IFC project data base	Environmental and socisl due diligence reports, Biodiversity Assessment Reports, monitoring reports and fish cacthing, transportation and release reports were prepared in 2018 as given in Table.7 for our WPPs, SPPs and HEPPs. Reports and their brief summaries are given in Annex- 3. In this period 'Shadow Flicker and Blade/Ice Throw Reports' were prepared for Üçpınar, Kocalar, Hasanoba and Denizli WPPs. The cumulative effect of Üçpınar and Kocalar WPPs which are close to each other, were also evaluated. According to medelling made, no adverse effects were deermined. Similarly no health and safety risks were defined due to shadow flicker and blade/ice throw effects. An executive summary of this report is given in Annex-19.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.11	The Company will not develop any new project that is located within an existing or potentially protected areas based on the screening areas. If a site is located in a potentially sensitive areas, as defined in the screening assessment such as National Parks, the scope of the EIA will be agreed with the EBRD and IFC	Ongoing		Appropriate assessment of sites and , avoidance of sensitive locations.		Projects are not developed in protected areas.
10	2.1	Develop formalised Institutionalized human resources management system and procedures with special regard to grievance procedures. This should include welfare arrangements for construction workers prior to construction activities commencing.	End of 2017		Management system manual and policies to be submitted to EBRD and IFC		P.05 Human Resources Procedure was established within the scope of ISO 9001 Quality Management System. In this procedure, staff recruitment work, staff assignments, deputation and manager / staff expertise, experience and skill criteria, training for new staff, performance criteria and evaluation, leave, cease of employement, health problems etc. are explained. How to provide and evaluate employee surveys, proposals, objections and complaints, personnel communication rules developed in line with the hierarchical structure, and internal discipline rules have been defined.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							In 2018 personnel performans evalution was done and based on this evaluation wage updates and promotions were done. Training sessions were provided and activities were organized to increase personnel motivation. Procedures for monitoring and controlling subcontractor personnel are defined under the P10 Health and Safety Procedure and refer to this procedure in subcontracting contracts. The registration and evaluation of complaints of staff, stakeholders and third parties was done according to P03 Internal External Communication Procedure. Social facilities provided to workers at construction sites were audited. Legislative requirements were controlled during site inspections (See Annex -7).
9	2.2	Develop and adopt Human Resource Policy and management system covering all employees, on a best effort basis for contractors as well as sub-contractors, to include (but not be limited to)	End of 2017		Written HR policies compliant with EBRD PR2 / IFC PS2 and the national Labour Law HR policy developed and adopted: prior to further		OHS management and contractor auditing procedures to control of contractor during construction is expalined in ESMS (Section 4.5.1 and 4.5.2) in detail. ESMS was give in 2016 AMR.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
		Approach to managing its workforce Management of worker relationships Access to worker's organisations Working conditions and terms of employment Child labour and forced labour policies Equal opportunities and non-discrimination Oversight provided of contractor policies/procedures			construction activities. Contractor policies/ procedures reviewed/ approved: prior to work on-site. HR Policies implemented throughout construction and operation.		Procedures for monitoring and controlling subcontractor personnel are defined under the P10 Health and Safety Procedure and it is refered in subcontracting contracts. In addition, the Contractor is required to prepare an Occupational Health and Safety Management Plan for the construction activities to be undertaken. The contractor's workforce management procedures, working conditions and conditions of employment is specified in this plan. The contractor is allowed to start work on site unless the Plan is approved by AKFEN. The sites will be inspected before the activity starts. After construction starts, construction site audit was carried out (See Annex-7).
	2.3	Set up and maintain a formal grievance mechanism for employees and contractors and disseminate information about its uses to the workforce	Prior to construction In Annual report Summarize material issues to EBRD		Adoption of formal grievance mechanism detailed in the SEP	This action will be on the agreement but will not be disclosed on IFC project data base	The mechanism of grievances for stakeholders, employees and contractor personnel is defined in the ESMS Section 4.3.26 which was given in 2016 AMR. There is also a complaint form on the Akfen web page (www.akfenenren.com.tr) that stakeholders can make complaints about the project. Stakeholder complaints in 2018 are given in Table. 7.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							There are staff complaints and given in Annex-18. Complaints are from construction sites of MT SPP and Omicron Erciş SPP. Contractor's employees complained about food, water and insects. These complaints were realted to seasonal effcts and necessary actions were taken for solution.
	2.4	Arrangements should be in place for construction workers so that they should have access to welfare facilities such as drinking water, toilets and dining facilities At the time of the construction of laydown area and more semi-permanent facilities. (Including storage area and construction of more semi-permanent plants)	At the time of the constructio n activities commencin g		Report should be submitted to EBRD/IFC-detailing arrangements to be put in place for construction workers At the time of the commencement of construction.	This action will be on the agreemen t but will not be disclosed on IFC project data base	During site inspections, workers' drinking water, toilet access, dining hall, accommodation and other social facilities are inspected and questioned (See. Annex-7). Drinking water analysis were done.
	2.5	Conduct regular employee standards audits to the best effort for contractor and sub-contractor employees to ensure compliance with the Labor Law and ILO Principles which Turkey is a party.	During constructio n and operation		Employee Standards Review Reports Summary of these reviews/audits should be provided in the Annual Report to EBRD and IFC	This action will be on the agreemen t but will not be disclosed on IFC project data base	Çiçekli HEPP, Hasanoba WPP, Kocalar WPP, Üçpınar WPP and Denizli WPP projects are undercnstruction. On site inspections, the working conditions of the workers and social facilities provided to them were also inspected (See Annex-7).

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							These WPP construction sites were audited were audited every 15 days by experts of consulting company and internal audits were made by Akfen head office staff. Corrective /preventive actions were determined for every non conformances. Same audits were also done at Yaysun SPP, MT SPP, ME-SE SPP, Omicron Engil SPP, Omicron Erciş SPP that their construction were completed in 2018. Consulting company's audits were done every week.
	3.1	Ensure that the measures identified in the EHSS due diligence report with regards to prevention and minimisation of pollution risk is addressed. Undertake an internal audit at end of 2018 to assess compliance with the ESAP and findings of the EHSS. As part of EHS management systems develop an additional action plant	2018		End of 2018 Report on the issues identified and remedial actions taken or planned.	This action will be on the agreement but will not be disclosed on IFC project data base	Waste management practices were implemented in order to prevent possible pollution in power plants and construction sites. At each plant Waste Mangement Plans were prepared and approval was obtained according to regulations. At each HEPP a contract was signed for waste management and waste was monitored till last disposal point. Within the scope of ISO 14001 Environmental Management System, chemical usage, storage and wastes were monitored. Necessary measurement and monitoring was also done within the scope of system applications.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							Internal and external inspections were done to check the conformity of the applications to the management systems procedures (See Annex-7). All non confirmity findings of ESAP and ESDD were corrected and our Company disclosure is enclosed in Annex-17.
15	3.2	Undertake an environmental monitoring assessment at each current and future HEPP location, to verify the biological effectiveness of the ecoflows. This should consider factors such as: are ecoflows able to maintain water quality (temperature, dissolved oxygen, etc.); can ecoflows support the maintenance of fish populations, particularly the more vulnerable species; and do ecoflows give the streams the capacity to support spawning, incubation, rearing, and passage of fish? Confirm that the presence and sizing of fish protection grids on the water intakes are appropriate.	2018 or following commissioning of a new HEPP.	31/12/2018	Report on the findings of the assessment to EBRD/IFC by end of 2018 to be discussed by the KEY shareholders internal		Ecological flow amounts were determined by the Ministry of Agriculture and Forestry. According to this reqirement, HEPP 's ecological flows are recorded and monitored online by the existing observation stations. Eco-flow records were submitted to regional directorates of the Ministry twice in a year. Amount of eco-flow is determined by wetted perimeter method and eco-system assessment reports were prepared by expert firms. Wetted perimeter method is based on measurement of maximum depth of revir and hyrological parameters at a selected section. This method considers the sustainability of aquatic life at river sections where depth and flow rate decrese.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
							At HEPPs both theoretical and site studies showed that observed eco-flow and water quality (dissolved oxygen,temperature, pH, ect) was sufficient for sustainable ecosystem. Çamlıca III HEPP is located on the Zamantı River which is one of the important branches of the Seyhan River and due to their topographical features fish gates had not been constructed. For this reason, 'Fish Cacthing, Transportation and Release' studies were done. This work was done in spring and autumn seasons in 2018 and reports are given in Annex-10.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	3.3	Presentation of greenhouse gas savings inventory to EBRD and IFC annually.	End 2016 and then each year after for the GHG inventory.		Report on the procedures and systems to be implemented to EBRD and IFC	This action will be on the agreement but will not be disclosed on IFC project data base	Since Akfen's all plants operate with renewable energy, there is no greenhouse gas emission related to energy production. On the contrary, the energy generated in these plants causes greenhouse gas reduction. During the plant activities, there is a small amount of greenhouse gas release due to secondary activities such as transportation, generator work, etc. At construction sites, transportation, work machines, heating and generator operation causes greenhouse gas emission. Consumption and release amounts causing greenhouse gas emissions for each plant and construction site are given in Annex-9. Greenhouse gas account for each power plant and site given under the heading PS 3/PK3 and calculations are given in Annex-9.
11	4.1	Akfen to review and align the H&S Plans in line with the EBRD PR4 / IFC PS2 and PS4 requirements. Plans should guide all Project-related activities during construction and operation. Requirements to include (but not be limited to): Job- and task-specific hazard and risk analysis and controls for activities. Provision of PPE, requirements for use	2016-throughout the lifetime of the projects		Health and safety management plan copies of updated procedures records of internal and external audits		Akfen OHSAS 18001 Occupational Health and Safety Management System has established P10 OCCUPATIONAL HEALTH AND SAFETY PLANT PROCEDURE. This procedure defines the OHS organization, hazard definitions and risk assessments, and work instructions. Depending on the procedure, the following instructions are prepared:

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
		of PPE, and enforcement of PPE use. Safety training for all personnel, covering hazards for their jobs.(i.e. Undertake driver safety training and code of conduct training for the drivers of the transfer trucks as well as drivers of employee service buses.) Develop an accident investigation program. Record incident statistics, including total work hours, serious injuries, lost time, etc. Develop a medical monitoring program for employees. Ensure implementation of a work permit system covering both workforce and contractors for dangerous tasks such as confined space. Establish and implement a "Lock Out Tag Out" system. Implement workplace hazard monitoring. Place safety signage where necessary. Safety signage should address fire safety, emergency response, noise, PPE, no smoking, traffic control, etc.					•P10-T01 Hazard / Near Miss Notification Instruction •P10-T02 Job Safety Awareness Training Instruction •P10-T03 Safety Instruction for Construction Site Electrical Works •P10-T04 Post-Accident Actions Instruction •P10-T05 Color Code Application Instruction • P10-F01 Hazard / Near Miss Notice Card • P10-F02 PPE Delivery Notice • P10-F03 Accident File Control Form • P10-F04 OHS Field Control Report • P10-L01 Accident List • P10-L02 OHS Trainings Plan •P10-L03 OHS Trainings Follow-Up Control List •P10-L04 Lifting Vehicle / Equipment Tracking Control List • P10-L05 Drill Plan • P10-L06 Drill Follow-Up Checklist •P10-L07 Hazard / Near Miss Notifications Tracking List • P10-L08 Fire-Fighting Equipment Follow-up Control List • P10-L09 Lightning Rod / Grounding Follow-Up Control List • Log Out Tag Out Procedure These implementations were done in 2018. The reports of the inspections made are given in Annex-7.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
12	4.2	Review and update the current emergency response plans in consultation with responsible authorities and communities to cover at least fire, flood response, spills, severe injuries or fatalities, or other events that could reasonably be expected to occur within the lifetime of the projects in line with the EBRD and IFC requirements. Trainings and drilling exercises should be conducted on regular basis.	2016-ongoing		Updated Emergency Response Plan		Emergency Response Plans are prepared for all power plants. The update of the plans is checked. The Emergency Plans prepared for Saraçbendi HEPP is given in Annex-11 as an example. Community Health and Safety Plan and Off-Site Emergency Plan for Saraçbendi HEPP are also given in Annex-11.
	4.3	Regularly Monitor the firefighting system/equipment as necessary, including fire extinguishers in offices and operation areas. Provide relevant training to personnel and prepare/post relevant instructions.	2016		Availability of firefighting equipment and fire water	This action will be on the agreement but will not be disclosed on IFC project data base	Emergency preparedness is explained in OHSAS P.10 Occupational Health And Safety Plant Procedure. Emergency trainings were given and drills were carried out at plants and construction sites (See Annex-1). Periodical maintenance of fire extinguishers were carried out.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
14	5.1	Adopt a formal grievance mechanism, enact the Stakeholder Engagement Plan and develop a land acquisition and compensation framework.	2017		Document stakeholder engagement activities to include land acquisition Annual report on stakeholder engagement Provide report to EBRD and IFC with regards to land acquisition framework		Preparation of stakeholder participation plan, land acquisition procedures and greviance mechanism were difeined in ESMS document (given in 2016 AMR) of Akfen. Tthe stakeholder engagement plan aims to ensure that all the stakeholders (local people, social movements, media, private sector, universities, non-governmental organizations, etc.) are closely recognized and their involvement is addressed. Thus, the concerns, expectations and demands of local people, non-governmental organizations, local governments and other related groups are determined and evaluated, based on ecological sensitivity and scientific basis, taking into consideration the regional characteristics. SEPs were prepared for all projects and given in AMR 2017. In this period a SEP for Hasanoba WPP is prepared and given in Annex-13.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	5.2	Implement the SEP (See Action 10.1 to develop an SEP) and a formal grievance mechanism, and continued consultation with people affected by land acquisition	Prior to land acquisition as required		Document stakeholder engagement activities to include land acquisition Annual report on stakeholder engagement	This action will be on the agreement but will not be disclosed on IFC project data base	Stakeholder participation plan was prepared for Hasanoba WPP in this period and given in Annex-13. Grevience mechanism was explained during public participatin meetings. Complaint forms are given in Akfen's web site.
	5.3	Provide an update on the progress to close out all land acquisition claims with regards to Doruk	June 2016		Provide report to EBRD and IFC quarterly on progress	This action will be on the agreement but will not be disclosed on IFC project data base	Up-to-date information on land acquisition at Doruk HEPP is given in Annex-12.
13	5.4	Develop a land acquisition and compensation framework for the purchase of land for new projects the framework where possible and to the extend when possible will include associated infrastructure such as powerlines. For each project undertake risk assessment associated infrastructure even if not develop by Akfen. The objectives of the framework should describe how to:	End of 2016		Provide report to EBRD and IFC with regards to land acquisition framework		Procedures for land acquisition are described in ESMS Section 3.5 which was given in 2016 AMR. This document describes the procedures to be followed when a need arises for the acquisition of temporary or permanent, public or private, land or any immovable propoerty, whether within or outside the project area.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
		avoid or minimise resettlement, economic displacement consider feasible alternative project designs mitigate adverse social and economic impacts from land acquisition provide compensation for loss of assets at replacement cost improve or, at a minimum, restore the livelihood and standards of living					Ecological studies have been carried out for ETL and the effects on living environment been taken into consideration. Biodiversity Action Plans were parepared for Yaysun SPP Substation-Ereğli Substation ETL and Üçpınar WPP Substation – Çanakkale Havza-1 (Çan Havza-1) Substation (See Annex-3)
	6.1	Undertake pre-construction ecological surveys and develop site mitigation / protection plans, for Energy Transmission project in the locations where the EIA has identified that protected species are present.	Prior to construction commencement.		Provide report to EBRD and IFC with regards the material findings of the surveys and measures implemented which will be used internally	This action will be on the agreement but will not be disclosed on IFC project data base	Monthly monitorings were made and reported by expert ornithologist and botanist for Yaysun SPP Substation – Ereğli Substation ETL route during construction phase. Ecological survey was also made by biologist of consulting firm and training was given to workers about protection of biodiversity (See Annex-3). Ornitology, flora and fauna monitoring and study were also going on during operation phase.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	6.2	Based on the screening study undertake location specific terrestrial ecological and birds and bats surveys for all new windfarm locations, to assess resident species risk, migratory and general bird related risks, and ensure adequate mitigation is featured as part of the project designs.	As part of planning for all future windfarms, completed prior to detailed design finalisation.		Provide report to EBRD and IFC - with regards the findings of the surveys and measures implemented.	This action will be on the agreement but will not be disclosed on IFC project data base	Biodiversity assessment reports, action plans, monitoring reports given in Table.8 were made for WPPs and SPPs in 2018. Reports and their brief summeries are given in Annex-3. Implemantations were done according to action plans.
	6.4	Maintain a post construction monitoring system for hydro and wind farms to asses post construction impacts and as necessary develop mitigation measure to limit such impacts. These can be through active turbine management or flow management.	Ongoing		Compliance with permits and best practice to limit net ecological impact. Information in annual report. To be verified every 5 years by independent audit.	Action plans could result in reduction of operations. This action will be on the agreement but will	Our WPP projects are in construction at the moment. Construction of Çalıkobası HEPP completed in 2018, but Çiçekli HEPP is going on. A measurement program was established to monitor/measure activities specified in the Ecosystem Assessment Report (EAR) during operational stages and to be carried out under national legislation.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
						not be disclosed on IFC project data base	There is a Flow Monitoring Station (FMS) in active HEPPs. Thanks to these FMSs located in the downstream section of the HEPP, the amount of ecological water left is measured continuously. The flow values are also transferred online to the State Hydrolic Works Directorate. At the request of DSİ, the camera system is also installed and the FMS's are also controlled by the camera. Control of activities and applications are done by internal and external audits every year and external audits will be carried out every 5 years. The camera system is also installed at the request of DSI and CMSs are controlled by camera. Within the scope of the quality system, all power plants at the operation phase are audited annually in compliance with ESMS. In addition, all the power plants and construction sites are audit by the consultant company (See Annex 7)

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	6.5	Maintain a minimal water flow on all hydro project for all to ensure that not biodiversity loss and no negative impact on downstream water users.	Ongoing		Compliance with permits and best practice to limit net ecological impact. Information in annual report. To be verified every 5 years by independent audit.	This action will be on the agreement but will not be disclosed on IFC project data base	Care is taken to ensure the necessary ecological flow / life water and the amount of agricultural irrigation water is released in accordance with the project's EAR in which the amount of water ecological flow is determined. For this purpose, a Flow Monitoring Station is located downstream of each HEPP and records are controlled by the State Hydrolics Work Directorate with an online system.
1	7.1	For each new project, the EIA process should take into account issues of cultural heritage. The development and implementation of the 'coincidental find process' which will be used during all construction activities and will support the management of archaeological findings.	End of 2016 training to be implemented as part of EHS management system development		Completed EIA accepted and assessed by national regulator.		EIA procedure is strated for each new project and construction starts after obtaining 'EIA positive' decision. A chance find procedure was established to protect cultural heritage, it is explained in detail in Section 3.8 of ESMS given in 2016 AMR. During this period, there was no evidence of cultural heritage on the project sites.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
6	10.1	Develop and implement a corporate Communication Plan and implement such plans at the companies' level. Develop separate Stakeholder Engagement Plans (SEP) for each project (at least for each major investment). This should include the development and implementation of a Grievance Mechanism. The SEP should be reviewed and if necessary updated annual or when changes occur in the Projects. The SEP (s) should address potential issues that may be raised by NGOs in Turkey. If necessary, or request arrange for meetings as appropriate. As part of SEP and EHS management prepare a register of risks for the public and develop and implement and monitor mitigation measures. The register should be prepared by a specialist used with the implementation of international Industry good practices on hydropower schemes.	2016-ongoing throughout the lifetime of the projects	31/12/2016	SEP published on website and disclosed to affected stakeholders. Summary of the implementation in Annual reports to EBRD and IFC		The registration and evaluation of grievances from staff and third parties are described in P03 Internal External Communication Procedure. A Stakeholder Engagement Plan has been prepared for all projects and SEP for Hasanoba WPP is given in Annex-13. SEPs and grievance mechanism prepared for Akfen's projects are presented to all stakeholders on the Akfen web page. Prepared SEPs are reviewed annually and necessary revisions are made.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
7	10.2	Monitor implementation of the SEP and grievance mechanism to ensure a continuous and systematic stakeholder engagement programme throughout the projects life cycle. Documentation of all stakeholder activities and logging of grievances to inform the annual monitoring report. The SEP should be reviewed and if necessary updated annual or when material changes occur in the Project.	2016-ongoing throughout the lifetime of the projects		Document stakeholder engagement activities Document grievances, response to grievances with records maintained. Provide summary in Annual report on stakeholder engagement activities and grievances		Stakeholder Engagement Plan has been prepared for all projects. Complaints received in 2018 are presented at Table.7. SEPs and grievance mechanism are presented to all stakeholders on the web page prepared for Akfen. Prepared SEPs are reviewed annually and necessary revisions are made.
8	10.3	Develop a Corporate internet site, with inclusive of a sustainability page and disclose as appropriate NTS and community information brochures for new Projects on this web site	2016		Link to web site in annual report		At www.akfenren.com.tr there are public information brochures presented for review of stakeholders and non-technical summaries presented for all projects. In this period brochures were prepared for Omicron Erciş SPP, Omicron Engil 208 SPP, Yaysun SPP, Üçpınar WPP, Hasanoba WPP, Kocalar WPP, Denizli WPP, ME-SE SPP, MT SPP, Yaysun SPP ETL and Üçpınar WPP ETL and given in Annex-5.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	10.4	Develop a Non-Technical Summary (NTS) as appropriate and community leaflet for each new project in construction or to be developed in the future providing a project description, the ESIA process, the environmental and social benefits/impacts, mitigation and management measures and the contact details for communications with a link to the SEP	As part of the development, planning, design, construction and commissioning of each project		Disclosure of SEP and NTS	This action will be on the agreement but will not be disclosed on IFC project data base	Brochures prepared to inform the public for Omicron Erciş SPP, Omicron Engil 208 SPP, Yaysun SPP, Üçpınar WPP, Hasanoba WPP, Kocalar WPP, Denizli WPP, ME-SE SPP, MT SPP, Yaysun SPP ETL and Üçpınar WPP ETL and given in Annex-5. A NTS is prepared for Hasanoba WPP and given in Section IV. NTSs of all projects are given in the web site to inform stakeholders.
	10.5	Appointment of a Public Relations Officer with appropriate skills and experience in effectively managing SEP implementation in every scene	Before the construction		Determination of Public Relations Officer. Organization chart	This action will be on the agreement but will not be disclosed on IFC project data base	Burak SOLMAZ had been appointed as Public Relations Officer at the company headquarters and will continue this job in 2019 too.

Table 29- Action Plan Status (ESAP)

AMR SECTION VI

DEVIATIONS/NON-COMPLIANCES

Deviation/non-compliances are identified in reference to the following:
(i) IFC's Performance Standards; (ii) Environmental and Social Action Plan; (iii) Non- compliance with local environmental and social regulations (iv) Applicable EHS Guidelines

If there is any non-compliances/deviations please record and provide additional information if necessary.

Please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.

Areas of Interest	Identified Non-Conformities	Corrective Action Plan	Completion Status	Completion Date
IFC / EBRD Performance Standards (PS1-8, PK1-10)	1. There is a 1000 m transmission tunnel between Çiçekli I and II Regulator in the scope of Çiçekli HEPP Project. Transmission tunnel is used for transportation purposes also. Vehicles going to regulator I to regulator II have to drive all way back since there is not enough space to maneuver. This is a high risk situation in means of traffic safety.	A procedure will be prepared and implemented defines which type of vehicle to be used for entrance of the transmission tunnel, safety observer to be assigned and the maneuver ways are defined.		15.01.2019
	2. There is a 600 m transmission tunnel between Derivation Regulator and Çalıkobası I Regulator in the scope of Çalıkobası HEPP Project. Transmission tunnel is used for transportation purposes also. Vehicles going to Derivation Regulator to Çalıkobası I Regulator have to drive all way back since there is not enough space to maneuver. This is a high risk situation in means of traffic safety.	A procedure will be prepared and implemented defines which type of vehicle to be used for entrance of the transmission tunnel, safety observer to be assigned and the maneuver ways are defined.		15.01.2019

Table 30- Deviations/Non-Compliances

ANNEXES:

Annex -1	2018 Training Records
Annex -2	Accident Reports
Annex -3	Environmental and Biodiversity Reports
Annex -4	OHS Measurement Reports
Annex -5	Presentation Brochures and Minutes of Meeting of Public Information
Annex -6	TİKAV Social Responsibility Project
Annex -7	Operation and Construction Site Audit Reports
Annex -8	PPE Embezzlement
Annex -9	Greenhousegas Emission Calculation
Annex -10	Çamlıca III HEPP Fish Transportation Report
Annex -11	Emergency Response Plan and Community Health and Safety Plan
Annex -12	Information about Expropriations for Doruk HEPP
Annex -13	Stakeholder Engagement Plan for Hasanoba WPP
Annex -14	ICOLD Audit Reports
Annex -15	Energy Efficiency Works
Annex -16	Environmental Measurement Reports
Annex -17	Evaluation Of ESDD
Annex -18	Personnel Complaints
Annex -19	Shadow Flicker and Blade/Ice Throw Evaluation Report for WPP' s
Annex -20	Evaluation Report of Regulators Have Fish Passage
Annex -21	Traffic Management Plan Applications
Annex -22	LTIR-TRIR
Annex -23	Land Entry Protocol
Annex -24	YAYSUN SPP 154 kV Substation Project
Annex -25	Security Plans
Annex -26	LOTO Procedure

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