



ENVIRONMENTAL STATEMENT 2018





ENVIRONMENTAL STRATEGY

TERNA ENERGY activities essentially contribute to the spreading of sustainable energy, to the development of a model based in clean energy and finally to the utilization of a modern model of sustainable development.

Fundamental commitments of **TERNA ENERGY** are:

- The provision of services with the use of technologies and practices that ensure the protection of the environment.
- The monitoring, implementation and continuous review of National and European Legislation that is relevant to Environmental Management.
- The maintenance of production equipment in good condition, by performing frequent maintenance and repairing processes and by renewing the equipment in frequent intervals, in order to cover the modern production methods and to prevent environmental impacts.
- The provision of continuous environmental training
- The use of raw materials and consumables of known and recognized quality that conform to the customer quality requirements and to the environmental legislation requirements
- The implementation of targets that are set regarding the environment, through the effective monitoring and proper management.
- Its name to comprise assurance for environmental sensitivity.

ENVIRONMENTAL MANAGEMENT SYSTEM

Aiming in the minimization of adverse environmental impacts and the maximization of the positive ones, **TERNA ENERGY** implements an Environmental Management System in accordance to the requirements of ISO 14001:2015 standard. The system has been certified by an Accredited Certification Body. In the frame of the system implementation the company systematically monitors and manages the produced waste.



ENVIRONMENTAL AUDITS

The company performs environmental audits in frequent intervals within a year, in order to check the level of conformance to the legislation requirements, the business protocols and working methods and the requirements of ISO 14001 standard. Environmental audits are carried out by the department of Health, Safety and Environment, identify improvement areas and suggest corrective and preventive actions. 22

internal audits in total have been performed within 2018 covering all Group installations. In addition to the internal audits, external audits are performed by the Certification Body.

TRAINING PROGRAMS

In order to raise awareness to the company's employees in environmental protection issues, training programs are carried out each year for all employees and cooperators.



SUSTAINABLE ENERGY

Renewable energy units produce low energy with very low environmental footprint and with significant advantages for the environment, economy and society, preventing at the same time CO₂ emission to the atmosphere.

MONITORING OF PRODUCED WASTE

Quantities of produced waste from all projects are monitored and documented. Quantities of waste for 2018, as registered in the Waste Production Registry, are documented below:

HAZARDOUS WASTE		
CATEGORY OF WASTE	WASTE DESCRIPTION	QUANTITY
Lubricants (Lt)	Liquid	16017
Old tyres (Pcs)	Solid	-
Electric lamps (kgs)	Solid	55
Oil-Gas Filters (kgs)	Solid	5021
Contaminated plastic containers	Solid	716
Contaminated absorbent materials (fabrics, blinds etc) (kgs)	Solid	17538
Accumulators (Batteries) (kgs)	Solid	5102
Toner (pcs)	Solid	-

NON HAZARDOUS WASTE		
CATEGORY OF WASTE	WASTE DESCRIPTION	QUANTITY
Paper (kgs)	Solid	149
Electrical Scrap (kgs)	Solid	321.5
Metal Scrap (kgs)	Solid	192885
Urban waste (kgs)	Solid	570
Plastic Scrap (kgs)	Solid	7562
Copper (kgs)	Solid	-
Cables (kgs)	Solid	-

SIGNIFICANT PROJECTS

OPERATION OF WASTE PROCESSING UNIT IN EPIRUS

Epirus Waste Processing Unit has been designed in order to process 105.000 tn/year of municipal solid waste, achieving the recovery of recycled materials and the production of electrical energy and soil improving material- compost type. The period of trial operation has been initiated during the fourth quarter of 2018. Having as a main target the environmental sensitivity and the conformance to regulatory and legislative requirements, the company has proceeded to:

- The performance of environmental trainings to the employees, during construction and operation period.
- The performance of presentations – trainings regarding environmental sensitivity to schools, universities and other interested parties that visit the factory.
- The assignment of the responsible person for the monitoring of the implementation of environmental terms with concurrent notification of the relevant governmental authority.
- The protection of the streams that come across the external area of the factory with systematic monitoring, preventing this way any kind of pollution.



SHPP «DAFNOZONARA - SANIDI»

The specific hydroelectric project is a run-of-river (ROR) type. In order to maintain the ecosystem, the following measures have been implemented:

- Regarding the fish fauna, a fish passage has been addressed, in the form of a fish ladder which includes a series of successive tanks upstream and downstream of the dam.
- The method used for the sediment handling is that of hydraulic Flushing (which is unique in Greece) and ensures the sediment flow downstream of the dam.

During the period August – November 2018, civil works have been completed, for the repairing of the damages that have been provoked from the continuous floods of Acheloos river (2015-2018).

The works have taken place in the seawall and concerned the repair of the plunge pool and the sediment deposition root. For the execution of works, mobile concrete production units and heavy equipment have been used in the site. All equipment has been removed from site upon completion of works which lasted for two months and before the beginning of rain period of the current year. Waste of 172tn total quantity have been collected from properly licensed companies.



REDUCTION OF IMPACTS TO THE FLYING FAUNA

Within 2018, the company has started the installation of specialized equipment in the wind farms, for the reduction of the impacts in flying fauna and specifically in projects for which there is relevant provision in the approved Environmental terms document. Flying fauna monitoring plan has been implemented in Derveni wind farm, through the installation of a camera and radar automation system with artificial vision technology that detects and documents the flying birds in real time and executes collision prevention activities, such as emission of warning sounds that change the birds route and halt or slowing down of the wind turbine.

