

YPF
LUZ

LOS TEROS WIND FARM

SOCIAL AND ENVIRONMENTAL IMPACT

COMMUNITY INFORMATION



1. Introduction

This document is a non-technical summary of the social and environmental impacts of the construction and operation of the Los Teros Wind Farm, of YPF Energía Eléctrica S.A., hereinafter "YPF Luz".

The document describes how the construction of the park was developed and the potential environmental and social impacts that may be generated during its operation.

In addition, it clarifies the company's actions aimed at preventing, controlling and minimizing these impacts, and explains how environmental and social aspects are managed.

This document is part of the community relationship plan, which aims to keep employees, authorities and the community in general informed of all stages of the Park's operation. The plan details the communication actions with the different stakeholders, as well as the tools available for people to channel their doubts and concerns about the project.

2. Project design and construction

From the early stages of the development of new projects, YPF Luz is committed to acting responsibly with the communities. To this end, potential socio-environmental risks and impacts that may be related, directly and indirectly, to each of the stages of their projects are identified, evaluated and managed.

YPF Luz analyzed and purchased the development of the wind farm for the generation of renewable energy, with a capacity of 175 MW. The energy generated by the park provides electricity to private companies, through contracts entered into within the framework of the Forward Market (MATER) and the Argentine Interconnection System (SADI).

As part of the project, the following were contemplated:

- A transformer station.
- Assembly of 45 wind turbines.
- A main building.

The companies that were in charge of the construction of the park were Milicic, Napal and Muñoz and General Electric. They were in charge of the civil works and roads, which consisted mainly of the foundations of the wind turbines, the construction of the substation and electrical assembly, and the assembly of the wind turbines, commissioning and commissioning.

The complete Los Teros Wind Farm has been operational since September 2021.

3. Description of the park and identified impacts

3.1. Description of the Wind Farm

The Los Teros Wind Farm is located on a 2,435-hectare site, at an approximate distance of 45 km from the city of Azul, province of Buenos Aires.

It is distributed in two properties and was built in two stages:

- Los Teros I, has 123 MW of installed power, through 32 wind turbines of 3.83 MW each, arranged in 4 private fields, with a total area of 2,500 hectares. It began its operation in 2020.
- Los Teros II has 52 MW of installed power, through 13 wind turbines of 4 MW each, distributed over a field of 1,000 hectares. The Los Teros II Wind Farm is interconnected at the same point as the Los Teros I Wind Farm and supplies the MATER exclusively. It began its operation in 2021.

In total, 45 wind turbines were installed, adding a total potential of 175 MW, the equivalent of the energy consumption of 237,000 homes. An electrical network was built that groups between 12 and 22 MW for each collector for its interconnection to the cells of the Transformer Station (ET) of the Wind Farm, adjacent to the existing neighborhood road between Provincial Route 80 and National Route 3.

The link to the SADI was made by connecting the Los Teros Wind Farm Substation to the 132 kV line that passes through the site, and that connects the Olavarría Wind Farm with the Tandil Wind Farm, operated by Transba S.A.

3.2. Operation and Maintenance

The operation of the park is carried out from YPF Luz's Remote Operation Center (COR), located on the 3rd floor of YPF's Puerto Madero Tower, 365 days a year.

From the COR, all the information related to the operating conditions of the park is collected and analyzed, such as: quality of resource, capacity factor, communication with CAMMESA and transporters, among others.

The personnel working on site carry out tasks to support the operation and general maintenance of the park. For all equipment and facilities, maintenance strategies are implemented aligned with equipment manufacturer recommendations.

3.3. Identified impacts

Construction stage

In the construction stage, emissions into the atmosphere correspond mainly to particulate matter or dust generated by earth movements and combustion gases resulting from the use of vehicles and machinery.

The contractor companies were responsible for the correct management of their waste. YPF LUZ audited this management and requires the relevant documentation.

As for noise, the main sources of production were those related to the operation of machinery involved and vehicular traffic.

On the other hand, the impacts on soils were related to the excavations to build the concrete bases that support the wind turbines. Special care was taken to minimize ground movement as much as possible.

Operation Stage

In the operation stage of the Wind Farm, the fauna groups most sensitive to wind turbines are birds and bats, with collision with the blades being the main environmental impact on wind farms. For this reason, YPF LUZ implemented a flying fauna monitoring program.

The environmental impact on air quality is positive since it contributes to the reduction of the emission rate of Greenhouse Gases (GHG).

As for surface water, groundwater and soils, no significant impacts on the quality of these environments are identified.

The emissions of electromagnetic fields and audible noise from the transformer substation comply with the provisions of Res. S.E. 77/98.

Given the low number of personnel working on site and the fact that maintenance activities are scheduled, low amounts of waste, both special and non-special, are generated.

4. Social Investment

The Company's social investment and donations policy establishes the guidelines for the development of social responsibility initiatives and includes donations, volunteer activities, community relations and any social investment associated with environmental, social, community or institutional projects.

The social investment strategy is aligned with different United Nations Sustainable Development Goals (SDGs) to contribute to the global agenda.

The objectives of the social and environmental investment strategy are:

- To improve the quality of life and infrastructure of the communities where we operate.
- To contribute to improving the quality of education and the environment.
- Promote the efficient use of energy and renewable energies.
- Collaborate with other organizations to achieve sustainable change.

5. Quality, Safety and Environment

The Los Teros Wind Farm Project has been designed and built in compliance with applicable national, provincial and municipal legal regulations, recommendations from equipment manufacturers and following the company's safety, health and environmental standards.

At the national level, the electricity generating industry is regulated by the ENRE (National Electricity Regulatory Entity), an entity that ensures compliance with strict environmental, health and safety standards specific to this industry.

YPF Luz implements the following monitoring plans at the plants:

- POAMS: Plan of Objectives and Actions Environment and Sustainability (includes Environmental Impact Assessment and Monitoring Plans)
- POASS: Health and Safety Objectives and Actions Plan (Includes Occupational Risk Assessment and Hygiene and Safety Plans)
- POAC: Quality Objectives and Actions Plan (includes audits and the implementation of the Integrated Management System)

5.1. Environmental Impact Assessment

The Environmental Impact Assessment Study of the Los Teros Wind Farm was developed in compliance with the provisions of the Law of the Province of Buenos Aires No. 11,723, Resolutions ENRE 555/01 and 197/11 regarding the Environmental Management Plan for Wind Generators.

5.2. b. Certifications

The Los Teros Wind Farm has an Integrated Management System certificate, which includes the following standards:

1. ISO 14.001: Environmental Management System.
2. ISO 9.001: Quality Management System.
3. ISO 45.001: Occupational Health and Safety Management System.

6. Inquiries and complaints

The available consultation channels are listed below:

- Email: sugerenciasypfluz@ypf.com
- Contact form on website: www.ypfluz.com
- Leave a written inquiry with telephone number and postal address at the PELT

7. Ethics and Compliance

YPF Luz has a Code of Ethics and Conduct that guides the actions of all personnel on a day-to-day basis. It is applicable to directors and collaborators of YPF LUZ, as well as to third parties related to the Company.

Likewise, all employees and related third parties may make inquiries or report situations and/or behaviors that could constitute a real or potential breach of the provisions of the Code of Ethics and Conduct through the YPF LUZ Compliance Channel. YPF LUZ adopts the necessary measures to maintain the anonymity and confidentiality of all communications received.

Access to the Compliance Channel is done through the following tools:

- Página Web: www.canalcomplianceypfluz.lineaseticas.com
- Correo electrónico: canalcompliance.ypfluz@kpmg.com.ar
- By phone: 0800-122-0278
- In person (only YPF Luz employees): through your boss or the Compliance and Audit management

8. Learn more

To access environmental, social and governance performance information, we invite you to read YPF LUZ's sustainability reports: YPF [Luz](#)