

A photograph of a wind farm with several white wind turbines against a blue sky with light clouds. The turbines are arranged in a row, with the closest one being the most prominent. The YPF logo is visible on the nacelle of the turbines.

YPF
LUZ

GENERAL LEVALLE 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 YPF Energía Eléctrica's General Levalle Wind Farm, 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 operation of the General Levalle Wind Farm. 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.

In 2022, YPF Luz analyzed and purchased the development of the wind farm for the generation of renewable energy, with a capacity of 155 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).

The project includes the construction, assembly, operation and maintenance of the General Levalle Wind Farm.

As part of the project, the following were contemplated:

- A transformer station.
- Assembly of 25 wind turbines.
- A main building.

The companies that were in charge of the construction of the park were Chediack, Distrocuyo and Vestas. Chediack was in charge of the civil works and roads, which consisted mainly of the foundations of the wind turbines. Distrocuyo was in charge of the construction of the substation and the electrical assembly. The company Vestas carried out the assembly of the wind turbines, commissioning and commissioning.

The General Levalle Wind Farm began operations on August 13, 2024.

3. Description of the park and identified impacts

3.1. Description of the wind farm

The General Levalle Wind Farm is located on a 4,358-hectare property at a distance of 3 km from the town of General Levalle, 50 km from Laboulaye and 46 km from Vicuña Mackenna.

25 wind turbines with a nominal power of 6.2 MW each were installed, adding up to a total power of 155 MW. The selected Wind Turbine Model, Vestas V162 6.2 MW 125 m HH, has a hub height of 125 m and a rotor diameter of 162 m, resulting in a swept area of 20,612 m².

The park is interconnected through two collectors, grouping between 62 and 93 MW for each collector, parallel to Provincial Route No. 10. To link to the SADI, an interconnection was made to the 66 kV line and another to the 132 kV line of the Levalle ET, operated by EPEC.

More than 701,000 MWh generated in the wind farm are injected into SADI annually in order to supply national industries and homes. The park generates an amount equivalent to the consumption of more than 120,000 homes.

The operation of the PEGL avoids the emission of more than 320,000 tons of CO₂ per year.

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

During the construction stage of the Wind Farm, no significant impact on air quality is expected.

In terms of surface water, groundwater and soils, the design of the park contemplated the minimization of the soil to be intervened and no bodies of water are crossed.

It is verified that all the vehicles of the company, contractors and subcontractors have speed control to guarantee safety in traffic and minimize the particulate matter generated by the circulation of vehicles.

During the construction stage, it is expected to generate greater amounts of waste, special and non-special.

Operation Stage

During the operation stage of the Wind Farm, the environmental impact on air quality will be positive since it contributes to the reduction of the emission rate of Greenhouse Gases (GHG).

In the operation stage, 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 implements a monitoring program for flying fauna.

Although fuel consumption at this stage is insignificant, the tanks where they are stored have anti-spill trays and strict controls are carried out to avoid possible incidents.

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 who will work on site and that maintenance activities are scheduled, it is expected to generate low amounts of waste, both special and non-special.

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 General Levalle 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 Study of the General Levalle Wind Farm was developed in compliance with the provisions of the Law of the Province of Córdoba No. 7,343 and Regulatory Decree 2,131/00 in accordance with the Environmental Policy Law No. 10,208, Resolutions ENRE 558/22 and 197/11 regarding the Environmental Management Plan for Wind Generators.

Environmental licenses No. 0097/2023 and 174/2023 were obtained for stage I and II of the project, respectively.

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 enquiry with telephone number and postal address in the PEGL

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](#)