

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 nearest turbine.

YPF
LUZ

CEMENTOS AVELLANEDA 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 Cementos Avellaneda Wind Farm (PECASA), carried out jointly by Cementos Avellaneda SA, hereinafter 'CASA', and YPF Energía Eléctrica SA, 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 Cementos Avellaneda 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.

YPF Luz analyzed and developed the wind farm for the generation of renewable energy, with a capacity of 63 MW. The energy to be generated by the park will provide electricity to CASA and other private companies, through contracts entered into within the framework of the Forward Market (MATER) and the Argentine Interconnection System (SADI).

Two MEM agents were generated, as follows:

- CASA: Self-generator, with 28 MW.
- YPF Luz: Generator, with 35 MW.

The project includes the construction, assembly, operation and maintenance of the Cementos Avellaneda Wind Farm.

As part of the project, the following are contemplated:

- A transformer station.
- Assembly of 9 wind turbines.
- A main building.

The companies in charge of the construction of the park are Capitanich, Coarco and Nordex. Capitanich is in charge of the civil works and roads, which mainly consists of the foundations of the wind turbines. Coarco is responsible for the construction of the substation and the electrical assembly. The Nordex company will carry out the assembly of the wind turbines, commissioning and commissioning.

The start of operation of the Cementos Avellaneda Wind Farm is expected to be in January 2026.

3. Description of the park and identified impacts

3.1. Description of the wind farm

The Cementos Avellaneda Wind Farm is located on a 4,358-hectare property at a distance of 3 km from the town of Olavarría.

9 wind turbines will be installed with a nominal power of 7 MW each, adding up to a total power of 63 MW. The selected wind turbine model, Nordex 163 6.X, has a hub height of 118.5 m and a rotor diameter of 163 m, resulting in a swept area of 28,857^{m²}.

More than 145,000 MWh generated in the wind farm will be injected into SADI annually in order to supply national industries and homes. The stock generates an amount equivalent to the consumption of more than 40,000 homes.

The operation of the PECASA avoids the emission of more than 66,000 tons of CO₂ per year.

3.2. Operation and Maintenance

The operation of the park will be 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 who will work on site will 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 manufacturers' 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 will be stored will have anti-spill trays and strict controls will be carried out to avoid possible incidents.

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

For the operation phase, there will be a smaller number of people than for the work phase, and maintenance will be scheduled and with an estimated annual frequency. For this reason, it is expected to generate low amounts of waste, both special and non-special.

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.

4. Quality, Safety and Environment

The Cementos Avellaneda 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).

YPF Luz implements the following monitoring plans at the plants:

- POAMS: Environmental Objectives and Actions Plan (includes Environmental Impact Assessment and Monitoring Plans).
- POAS: 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 Cementos Avellaneda Wind Farm was developed in compliance with the provisions of the Law of the Province of Buenos Aires 11,723, Resolutions ENRE 558/22 and 197/11 regarding the Environmental Management Plan for Wind Generators.

The environmental license was obtained through **RESOB-2023-3-GDEBA-SSCYFAMAMGP Cementos Avellaneda Wind Farm and LMT linkage**, for both MEM agents.

5. Inquiries and complaints

The available consultation channels are listed below:

- Email: sugerenciasypfluz@ypf.com
- Contact form on website: www.ypfluz.com

6. 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

7. Learn more

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