

The image shows two workers in teal YPF LUZ uniforms and white hard hats with yellow ear protection, viewed from behind. They are looking at a large, complex industrial structure made of red metal scaffolding and white panels. The structure has multiple levels with yellow railings and a tall, cylindrical tower with horizontal bands. The background is a clear blue sky.

YPF
LUZ

LA PLATA GENERATION
ASSETS
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 Loma Campana Thermal Complex, which includes the La Plata Cogeneration I (LPC I) and La Plata Cogeneration II (LPC II) Thermal Power Plants, of YPF Energía Eléctrica S.A., hereinafter "YPF Luz".

The document describes how the construction of the complex 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 Loma Campana Complex. 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 2018, YPF Luz added the La Plata Cogeneración I plant to its assets, thus ensuring the delivery of steam for the CILP's production processes and the provision of electricity to the Wholesale Electricity Market (MEM).

As part of the project, the execution of Due Diligence studies was contemplated to measure the inherent risks and establish its mitigation plan, concluding with the incorporation of the asset in January 2018.

As of October 2020, the new Cogeneration II Thermal Power Plant in La Plata began operating, which adds 90 MW of installed power for power and steam generation.

3. Description of the complex and impacts identified

3.1. Resort Description

La Plata Cogeneration I and II are located in the city of Ensenada, province of Buenos Aires, Argentina, within the La Plata Industrial Complex (CILP), the most important refinery in the Argentine Republic, belonging to YPF SA.



La Plata Cogeneration

La Plata Cogeneración I consists of a 128 MW gas turbine and a heat recovery boiler, which takes advantage of the residual energy from the turbine's exhaust gases, and produces a steam flow of 240 tn/h, which is used in the refining process. The electricity generated is provided to the CILP.

La Plata Cogeneración II consists of a 90 MW gas turbine and a heat recovery boiler that produces a steam flow of 240 tn/h. The electricity generated is injected into the SADI at 132 kV, and is equivalent to the monthly consumption of 250,000 homes.

3.2. Operation and Maintenance

La Plata Cogeneración I and II are operated by YPF Luz. The plants take process water from the La Plata Industrial Complex; the gas through the derivation of the Cammuzi company's supply pipeline and its effluents return to the CILP treatment processes. It also has a high-voltage connection (132 kV) for the evacuation of electrical energy and a steam delivery line to the CILP.

The operation complies with the regulations and quality standards established by YPF Luz.

Maintenance strategies were implemented for all assets, aligned with equipment manufacturer recommendations and industry best practices.

3.3. Environmental and social impacts

- **Gaseous effluents**

As a result of the generation of electricity by thermal machines, exhaust gases are generated, which are discharged into the atmosphere through a chimney. These gaseous emissions have components such as nitrogen oxides and particulate matter (only when operating with diesel oil). The Plants do not exceed the maximum limits of the Admissible Concentrations for Short Periods (CAPC) and Long Period (CAPL) of the pollutants established as air quality parameters, in accordance with the provisions of Resolution 401/18 of the OPDS, applicable legal regulations and res 555/01 of the ENRE.

- **Liquid effluents**

The liquid effluents generated in the electricity generation process come from the activity and operation of the recovery boiler, the washing of the TG compressor and the rainwater and sanitary (sewage) drains, among others. The liquid effluents of the Complex are evacuated through an underground aqueduct, which is diverted to the CILP reprocessing system.

- **Noise**

The occupational acoustic level is periodically monitored and controlled (according to national law 19.587 and Res 84/15) respecting the maximum admissible levels.

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

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. The complex complies with applicable national and provincial legal regulations, recommendations from equipment manufacturers and following the company's safety, health and environmental standards.

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)

6.1. Environmental Impact Assessment

The Environmental Impact Assessment studies of La Plata Cogeneration were developed in compliance with the provisions of the Law of the Province of Buenos Aires No. 11459, Dec. 1741/96, and ENRE Resolution 13/1997 "Practical Guide for the Assessment of the Atmospheric Environmental Impact".

The plants have a valid Environmental Aptitude Certificate, granted by Resolution 2529/16 of OPDS.

6.2. Certifications

The Cogeneration Plant Complex has an Integrated Management System certificate, which includes the following standards:

- ISO 14.001: Environmental Management System.
- ISO 9.001: Quality Management System.
- ISO 50.001: Energy Management System.
- ISO 45.001: Occupational Health and Safety Management System.

6. Inquiries and complaints

The available consultation channels are listed below:

- Suggestion book in the control room of Cogeneración La Plata I and II.
- Email: sugerenciasypfluz@ypf.com
- Contact form on website: www.ypfluz.com

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](#)