

Newmont[™]
YANACOCHA



WATER AND INFRASTRUCTURE FOR DEVELOPMENT

Agua para Cajamarca: the challenge that unites us

Water management is essential to reach sustainable development, especially in regions like Cajamarca. However, climate change has severely impacted on the intensity of rain and has prolonged dry seasons. Population growth and a weak culture on water adds to this. This situation affects all of us and has turned into the great challenges that unites private companies, public entities and society in general.

Together we develop various actions to mitigate the impacts of the water shortage, and manage this resource in an efficient and responsible manner.



Our commitment is to channel public and private resources to accelerate a solution to this great challenge: quantity and quality of water for Cajamarca.

Since 2012 we have managed more than 60 million soles through the Agua para Cajamarca (Water for Cajamarca) Program, that has benefited more than 180,000 inhabitants of the city. And since 2018, we implemented a project oriented towards the maintenance of drinking water systems and the strengthening of capacities of communal organizations that manage water for human consumption and agricultural use in the districts of Cajamarca, Los Baños del Inca and La Encañada.

“AGUA PARA CAJAMARCA” PROGRAM

The great benefits of the public-private alliance

→ MORE THAN 180,000 CAJAMARCA CITIZENS HAVE DRINKING WATER ON AN AVERAGE OF 17 HOURS A DAY

Agua para Cajamarca is the most notable expression of the joint work between private companies and public institutions to answer an urgent popular demand. Through an agreement between the Provincial Municipality of Cajamarca and Newmont Yanacocha, by ALAC and the Service Provider company Sedacaj, the program has reached significant achievements in the last years.

Agua para Cajamarca is comprised of **12 infrastructure projects**, that contribute to bettering the water provisions and a project oriented to the development of capacities for the care and efficient use of water (EDUSA).

A BEFORE AND AFTER IN QUALITY OF LIFE

The execution of this project marked a point of change in the quality of life of the people. The projects have signified **an investment of 60**



Modular treatment plants - DWTP El Milagro

million soles. Amidst its main results a highlight is a modern and innovative treatment plant that produces highly pure water.

- **33% increase** of water treatment in the Drinkable Water Treatment Plant (DWTP) El Milagro and DWTP Santa Apolonia.
- **10 km of primary networks** installed in the Mollepampa area and 11 km of secondary networks in Cajamarca.
- **In Cajamarca** the continuity of daily hours of water is **17.57** (an increase of 1.37 h/d), while in the Mollepampa area it is of **17.44** (an increase of 12.44h/d)
- **1500m³ more storage capacity.**
- **Through a system of drinkable water loss reduction and control, 200,000 cubic meters** per year were recovered.
- **11,908 new household connections** were installed in the city of Cajamarca, **5,063 of which were installed** in the Mollepampa area.
- **Sewage sludge treatment plant** built in the DWTP El Milagro.

In 2023 we will begin the construction of a system for the usage of groundwater, which will allow us to bring drinking water to more Cajamarca families. With the start of the new system we will be able to increase the water supply for the city in 60lt per second, benefiting 22,000 people.

SANITATION SERVICES PROVIDER ORGANIZATIONS

Strengthening communal organizations

→ MORE THAN 12,500 PEOPLE CONSUME QUALITY WATER IN THE AREAS OF INTERVENTION FOR THE PROJECT

SAFE WATER FOR RURAL AREAS

In the farthest rural areas, outside of the coverage area of a sanitation service provider entity, the community organizes amongst themselves to manage, operate and maintain their drinking water systems. Their members, chosen by the community, are people who are engaged in seeking the wellbeing of their population and they require all of our support to ensure the sustainability and quality of the services provided.

The project encourages a proper management of water in the countryside, through training and technical assistance in the

management, operation and maintenance of the drinking water systems. We focus on strengthening the knowledge and competencies of the members of the Board of Directors, and on promoting healthy behaviors amongst users.

Our methodology is based in education for adults, interculturality, gender equity and base development. The sanitation services provider organizations, like other communal organizations, are key actors in the sustainable development of their territories.

Through implementing this project, we have achieved:

- **69% of the communal organizations** have water chlorination equipment (10% more than the national average).
- **83% of the communal organizations properly chlorinate** the water (the regional indicator for water chlorination for rural areas is of 39.95).
- **100% of the water services operators** received training and/or technical assistance.
- **6243 citizens** strengthened their sanitary education.
- **74% of communal organizations were formalized** at the end of the first stage of the project (baseline registered a 20%).



WATER FOR IRRIGATION

Improving productivity and quality of life

→ 14 MILLION SOLES INVESTED IN TECHNIFIED IRRIGATION SYSTEMS IN CAJAMARCA, LEVERAGED BY THE SUBSECTOR IRRIGATION PROGRAM (PSI)



Technified Irrigation System - Barrojo Community

Proper water management geared towards the countryside means a higher agricultural and livestock production, that impacts the economic income of producers. This means bigger development opportunities for the rural population.

We have Geared our actions towards improving the knowledge, skills and capabilities of directives, leaders and users for the Irrigation Water Users Organizations (OUA in Spanish), with the objective of strengthening their governance in aspects of management, operating and maintenance, to achieve a good water provision that contributes to an increase in agribusiness productivity.

Through the joint work between the Users Board of Mashcón River (JURMASH in Spanish), the Water Local Authority (ALA - C in Spanish) and Newmont ALAC, we have performed training sessions on the role and functions of the organization and the handling of their management instruments; as well as the development of the Hydraulic Infrastructure Operation, Maintenance and Development

Plan (POMDIH in Spanish), and the calculation of a fee in accordance to current laws. Relevant subjects to tend to the claims of the farmers in an efficient manner.

- **204 users of JURMASH and 180 of JURCH** have participated in the strengthening program.

Through the alliance with different rural business management groups and the Subsector Irrigation Program (PSI in Spanish) of the Ministry of Agricultural Development and irrigation, the development and approval of **9 technical files** was achieved; **4 of which are being implemented** and will be inaugurated soon. This will allow the farmers to obtain a larger quantity of water throughout the year, so they may increase their production.

“LOS ANDES DE CAJAMARCA” ASSOCIATION






We are an association of Newmont Yanacocha, formed by a group of people that works for sustainable human development in rural and urban zones of Cajamarca. **We are first in line to support building a future full of possibilities where Cajamarca citizens can prosper.**

In this effort, in which water unites us, we work in an articulated manner with the Municipality of Cajamarca, the local governments of Los Baños del Inca and La Encañada, the National Superintendence of Sanitation Services, the Citizen Service Center of the Ministry of Housing, Construction and Sanitation, and the Regional

*Look at the
spanish version*



Av. La Cantuta mz. A, Lote 3, H.U. Bellavista,
Complejo Qhapac Ñan, Cajamarca, Perú.
T: (51-76) 36-9438, (51-76) 36-6961. F: Extension 197.
asociacion@losandes.org.pe
www.losandes.org.pe

-  AndesdeCajamarca
-  @losandescaj
-  Asociación Los Andes de Cajamarca - ALAC
-  alac_yanacocha
-  ALAC Cajamarca