

2018 Water Projects

Community	Brief Description of Water Projects
Alto Angará	Construction of 9 small cement storage tanks to provide potable running water for families in the community.
Centro Poblado de Chijnaya	Construction of running water and bathroom facilities for the health post with a storage tank and pumping system.
Centro Poblado de Ccotos #1	Construction of two bathrooms in the municipal building with an elevated water storage tank.
Centro Poblado de Ccotos #2	Installation of 10 tubular wells to provide 24-hour water supply for family use and homestay tourist facilities.
Tuni Grande	Construction of a well and pumping system to increase the supply of water in a community with water only 2 days/week.
Colquejahua	Implementation of a sprinkler irrigation system to increase agricultural production during the dry season.
Jallahua	Implementation of a sprinkler irrigation system to increase agricultural production during the dry season.
Huancarani	Construction of a cement spring box and storage tank to increase the supply of water to the community
Lillicla	Construction of a cement storage tank to provide running water to a community that currently has no running water
Queñuani Bajo	Construction of a cement spring box and storage tank to supply water for irrigation in the community.
Carancas	Water catchment system for a school, in collaboration with the Peruvian nonprofit organization, Suma Marka.

The Chijnaya Foundation

THE CLEAN WATER AND SANITATION PROGRAM



ASSISTANCE TO COMMUNITIES
IN THE ANDEAN HIGHLANDS
OF SOUTHERN PERU.



Water is a scarce resource in most communities on the Peruvian Altiplano, and lack of water presents serious challenges for humans, crops and livestock. The Chijnya Foundation has a history of working with Peruvian villagers on self-sustaining projects in health, education, and economic development with the goal of improving living standards and quality of life. Partnered with Water Charity and the National Peace Corps Association, the Foundation this year created a Water and Sanitation Program as another form of improving the quality of life in the communities where we work through water-focused projects.



This program provides water infrastructure to ensure an adequate supply of water for various needs including safe drinking water, agriculture, sanitation, and hygiene. This year the program is implementing 10 projects in 9 communities. Each project is unique and tailored to the needs and ideas of the community. The communities are invested and directly involved throughout the project lifecycle from the planning and design phase to the construction phase by providing labor when necessary and specialized insights regarding the community. These projects will help improve the health of community members, increase food security, improve quality of life, and provide more economic opportunities.

In addition to implementing water infrastructure, this program also includes helping the communities form a water committee that will be in charge of administration, operation, and maintenance of the water system to ensure sustainability. The communities and their water committees will be trained on various aspects including proper cleaning and disinfection of a water system, necessary documentation to be a legally recognized water committee, and how to calculate their yearly expenses in order to find the monthly rate each person will pay for the water service. Yearly expenses consist of the various costs associated with the operation and maintenance of the system as well as saving a certain amount of money each year so that the community can build a new system when the current system reaches its life span.

The PermaGarden Program. Thanks to support from Water Charity, in October we were able to bring to Puno Peter Jensen, renowned agroecologist, to train people in our communities in new approaches to cultivation that make optimal use of water resources. The primary focus is upon water management and soil health as a means to adapt and mitigate against climate severity and variability. The keyhole gardens being created capture the runoff water from roofs and pathways, forcing it to slowly recharge the subsoil moisture levels below the garden beds, extending the



value of the rainy season by as much as 3 months and increasing food production per square meter by 300% in the first year alone. It is through this method that highland springs and grazing lands can also be revitalized at virtually no cost but for labor and gathering of local materials. The keyholes and permagardens created in Puno and beyond are small, deeply dug and organically amended. They have the potential to provide year-round food for



family kitchens. With water management as their central focus, they fit in well with the other water projects of The Chijnya Foundation. We are excited about the prospects for this innovative technology which is based on both science and ancient farming methods.



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Vista Chino, Suite A7-488, Palm Springs,
CA 92262 USA