



## YOUR IMPACT

Water Mission's partnership with Georg Fischer has enabled us to provide long-term safe water solutions to more than 25,000 people in Indonesia, Malawi, Peru, and Uganda. We hope you enjoy this report on the final four projects completed.



**7 projects in 4 countries  
now have safe water**



**25,000 people provided  
access to safe water**



**Solar-powered technology  
utilized for reliability and  
sustainability**

## Background

In 2020, Georg Fischer and Water Mission partnered to support seven safe water projects in four countries, following Georg Fischer's successful Walk for Water. Through the Jubilee Foundation, funding of \$391,000 was approved to support projects in Indonesia, Malawi, Peru, and Uganda. In August 2021, Water Mission reported on the completion of three projects in Malawi (Bua) and Indonesia (Oemolo and Oelnasi). This final report highlights the completion of our four remaining projects in Malawi, Uganda, Peru, and Indonesia.

Each safe water project listed below includes a community engagement plan, training, protected water source, mechanized pumping solution, financially sustainable payment model, remote monitoring, and multiple convenient access points throughout the community. Upon project completion, each community receives close monitoring and support for one additional year. Many projects will then transition into larger community cooperative arrangements for long-term support. Others will remain community-managed projects for ongoing success.

Together, all seven of the projects are now serving more than 25,000 people with access to safe water.

*Header: Oenoni government leaders and Water Mission's Indonesia Country Director take the first sips from the new safe water system.*

The below table summarizes the communities that were supported by Georg Fischer's funds.

Community	Country	Completion Date	People Served	Proposed Budget	Actual Costs
Oemolo	Indonesia	February 2020	1500	\$44,000	\$38,900
Oelnasi	Indonesia	December 2020	580	\$60,000	\$58,200
Oenoni	Indonesia	December 2021	1,200	\$75,000	\$72,000
San Roque	Peru	March 2022	1,6000	\$180,000	\$231,000
Ikonja	Uganda	August 2021	5,500	\$59,800	\$59,800
Bua	Malawi	February 2021	2,800	\$94,000	\$80,000
Kapiri	Malawi	April 2022	12,000	\$138,000	\$159,000
TOTAL			25,180	650,800	698,900

## Kapiri, Malawi

Kapiri is a relatively large town of about 12,000 residents in western Malawi near the border of Zambia. Following a full geological survey, we drilled two new boreholes which had strong water production to supply the town. In April 2022, our staff will commission the completed safe water project and solar-powered pumps now deliver water to two 10,000-liter storage tanks mounted on a two-meter-high tank platform. Water is then gravity-fed to 12 distribution points throughout the community. Spending was 13% over budget because of the large size of the community and the need to drill two new boreholes following a full geological survey.

Our team in Malawi completed the first phases of our WASH promotion training, and trainers are going throughout the community to teach health and hygiene practices. We have also worked with the elected Safe Water Committee on a financial sustainability plan, and they are trained to maintain the system financially and operationally. We will continue our follow-up and community support until the project is transitioned to our long-term support cooperative.



*Water Mission holds a community mobilization meeting with Kapiri and a nearby community.*



*The WASH promoters in Kapiri take a picture after one of their trainings.*





*A community member shows his household water connection in Oenoni, Indonesia.*



*Oenoni's safe water system inside the enclosure with the water storage tank.*



*A woman and her daughter in Oenoni enjoy safe water.*

## Oenoni, Indonesia

Oenoni is located in the Timor region of southeastern Indonesia, where remote communities exist on volcanic rock islands. Limited access to water in these neglected communities has proven a historic challenge, contributing to their underdevelopment. We provided long-term safe water that will support residents' health and livelihoods. In this community, based on the needs assessment, we decided to provide household connections to our safe water system. This is our first project with household connections in Indonesia, and community members helped dig the trenches for their piping. Because of these household connections, Water Mission installed two of our patented Erosion Chlorinators, 12 solar panels, and two elevated water storage tanks.

The first phase will serve 170 families, and the second phase will provide safe water for 130 more families. This provides access to safe water for more than 1,200 people in Oenoni. In March, Water Mission and the community celebrated and commissioned the safe water project in Oenoni. In attendance was the East Nusa Tenggara governor and the Kupang District mayor. Our staff will continue to provide follow-up and support through visits to the community and our satellite-based remote monitoring system.



*Water Mission's Indonesia Country Director, Jan Daniel, stands in front of Oenoni's solar array.*



*Two Erosion Chlorinators are part of the safe water solution for Oenoni.*



## Ikonja, Uganda

Ikonja is a rural community of over 5,500 people located in the Luuka district of Uganda. A more populated remote community, Ikonja contains four schools, a health clinic, five churches, and a market. The primary economic activity in Ikonja is farming for crops like sugarcane, maize, and rice. Other residents engage in micro businesses such as retail trading in general merchandise.

When our team in Uganda performed their comprehensive assessment of the community, they observed that the community did have a hand pump that was functioning but was overcrowded and not supplying enough water for the demand. They also noticed that people were not treating the water they collected from the hand pump. The local leadership in Ikonja is strong, and the elected Safe Water Committee was eager to work with us to install a sustainable safe water solution. With the help of the community, we drilled a new borehole, built a safe water enclosure, installed our Erosion Chlorinator, and piped water extensions to 12 public tab stands. We also installed a solar array to improve the reliability and long-term sustainability of the system. In August of 2021, our team finished the installation and commissioned the safe water system. We have visited the community five times for routine follow-up and support, and we will continue to receive monthly reports from the Safe Water Committee and monitor the system's data through our remote monitoring system until we transition the project over to the community.



*The solar array and safe water system in Ikonja, Uganda*



*Children delight as water flows for the first time in Ikonja, Uganda.*



*Water Mission staff holds a meeting with the WASH promoters in Ikonja.*



*Water Mission staff member walks through a training with the elected Safe Water Committee.*



## San Roque, Peru

San Roque is a remote community in the Amazon River basin region of eastern Peru along the Ucayali River. Access requires 10 to 12 hours of travel by boat. Residents used to live without access to safe water, compounding challenges to health, livelihoods, education, and overall well-being. Because of these logistical challenges to get to San Roque, coupled with COVID-19 restrictions, curfews, travel bans, and global supply chain disruptions, delays pushed back our timeline in this community. We are thankful to share that in March 2022, safe water began flowing in San Roque. Spending was 22% over budget because of several factors. Primarily, the project design and proposal were completed one year prior to global constraints on supply chain, which raised the cost of materials and labor. In addition, because this project was uniquely remote, Water Mission paid for a staff member to live in San Roque for the past year.

In this community, we customized a highly engineered solution that draws water from a nearby lake via a floating pump station and a solar inverter, to bring water to the treatment house. The treated water is then piped to three water points in the community. Each community water point has a 10,000-liter (2,600-gallon) storage tank. Our staff now follow-up with the community through routine visits and monthly reports from the elected Safe Water Committee and will stay in close contact with the community. Our satellite-based monitoring system will also help us remotely evaluate data to ensure the system is operating efficiently.

As part of this project, Water Mission has implemented its new Restore Survey--- a breakthrough, cost-effective tool designed to routinely evaluate the impact of WASH in communities around the world. The Restore Survey is audio-recorded in Peru's local language and presented with a mobile touch-screen device so users can respond anonymously and share data. This data is then collected, analyzed, and shared with community leaders on the same day the survey is administered. A pre-project survey has been conducted, and another will be done after the project has been implemented.



*Water Mission's safe water solutions inside the treatment house that was built by staff and community members.*



*Our team in Peru travels by boat to San Roque.*



*San Roque's floating pump station that was also built by staff and community members.*



*Community members work with Water Mission staff to take the Restore Survey before the project is implemented.*