

LA TRIBUNA WATER DISTRIBUTION SYSTEM

SUMMARY

Provide a chlorinated water distribution system to the community of La Tribuna in Guatemala in order to prevent gastrointestinal illnesses from drinking unsanitary water.

DESCRIPTION

Engineers Without Borders-USA (EWB-USA) is a nonprofit humanitarian organization established to support community-driven development worldwide. Support is offered through the design and implementation of sustainable engineering projects, while creating transformative experiences that enrich global perspectives and create responsible leaders. As part of the EWB-USA mission, the Marquette chapter of Engineers Without Borders (MU-EWB) partners with the community of La Tribuna in Joyabaj, Guatemala. Marquette's one-year investment in the La Tribuna project will provide the resources required to pilot MU-EWB's water project program. This project was developed in recognition of a great need for clean reliable water in La Tribuna, Guatemala. MU-EWB has responded with a capable team and a recognition of opportunities for invaluable student development.



ABOUT OUR TEAM

Kassie Paul, Project Leader

Undergraduate Student, Marquette University

Mary Sizemore, Project Leader

Undergraduate Student, Marquette University

Dr. Mark Federle, Mentor

Faculty, Marquette University

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Jose Ordonez, In-Community Coordinator

Employee, Engineers Without Borders

Waleska Crowe, In-Community Coordinator

Employee, Engineers Without Borders

BEYOND BOUNDARIES

The project advances two aspects of the Strategic Plan: Pursuit of Academic Excellence for Human WellBeing and Social Responsibility through Community Engagement. Ample hands-on experience, partnerships with local professionals, and the practical application of our classroom education promotes the academic and holistic development of MU-EWB's future engineers. The La Tribuna project requires in-depth research and ideation to kick-start this unfamiliar project. MU-EWB members graduate better-equipped to tackle multifaceted challenges in their fields thanks to the problem-solving strategies and work ethic required to produce successful MU-EWB projects.