



ENGINEERS WITHOUT BORDERS USA PUGET SOUND PROFESSIONAL CHAPTER

2017 ANNUAL REPORT

2017 has been a successful year for Puget Sound Chapter with the start of new initiatives; building and strengthening our relationships with local engineering organizations; and nurturing and expanding our membership. We started off the year with the Nicaragua project team completing an assessment trip to the La Bendicion Community and a monitoring trip to the Tierra Nueva Community. Our Sierra Leone project team also conducted its first assessment trip to the Wai Community. Our Chapter also hosted its first annual Kickball Without Borders fundraiser with a big turnout from our members and engineering community. We have our dedicated team of volunteers working on projects and Chapter leadership to thank for another fruitful year at PSP. We also would like to acknowledge our generous donors who make these accomplishments possible.

Eset Alemu, President
Rowdy Roddick, President-Elect
David Raegen, Past President

2017 INITIATIVES AND GOALS

Members of the Executive Committee held an annual leadership retreat in January 2017 to map out the coming year's goals, challenges and initiatives. Key organizational topics such as projects, fundraising, membership engagement, and student mentorship were extensively discussed

Some key results from the leadership retreat included:

- Streamline fundraising efforts through coordinated and targeted company outreach, identifying project specific grants and building a corporate sponsorship package
- Building relationships with local engineering companies with lunch and learn presentations, engaging past company donors and project team members championing EWB's mission at their companies
- Recruit, engage and retain members with member networking events, connecting interested members with projects and revamping the Chapter's website and social media engagement
- Provide volunteering opportunities for members by hosting community service and work day events in collaboration with local engineering and community groups

KICKBALL WITHOUT BORDERS

The Puget Sound Professional Chapter hosted its first annual kickball tournament Kickball Without Borders in September. The event took place at Woodland Park where over 10 teams from local engineering companies participated in this event and competed for the prized trophy. The planning committee set up a beer garden and refreshment stands and served a crowd of over 120 participants. Our Chapter raises about \$5000 drew in five sponsors.



*First Annual Kickball Without Borders –
Winning Team Perteet – September 2017*

REBUILDING TOGETHER SEATTLE

In April, 2017, EWB volunteers partnered with local members of American Society of Civil Engineers for a day of service for the Rebuilding Together Seattle's Spring Rebuilding day. Volunteers from both organizations were deployed at two low-income houses in the Colombia City neighborhood and completed a number of projects improving the conditions of the houses.



EWB and ASCE Volunteers –

PROJECT HIGHLIGHTS IN 2017

SIERRA LEONE – HEALTH CARE CLINIC

The most recent program our Chapter adopted in March 2016 is in southern Sierra Leone with the Wai Community. The community is located in a region where scarce health services poor sanitation is causing high infant and postpartum mortality. The community is looking for resources to access comprehensive health care.



Mothers in Wai Community – May 2017

EWB-PSP is looking to construct a health care facility and build partnerships with local organizations to arrange supplies, equipment and personnel for the facility. The project team went on its first assessment trip to the community in May 2017, to establish contact with the community, assess the feasibility of constructing a clinic and evaluate existing resources. The team had a successful trip where they met with key members of the community, conducted surveys, and toured the proposed project site.



Wai Community Members and EWB Team – May 2016

The team is also working on bringing basic utilities to the clinic such as water, sanitation and energy to run the clinic. The project team is planning on going on another assessment trip in Spring of 2018 to evaluate the development of wells or rain catchment system for the proposed health clinic.

UGANDA – INFORMATION AND COMMUNICATION TECHNOLOGY CENTER



Coope Community Members and EWB Team – April 2016

Our Uganda team is working in Coope, a small community located in northern Uganda requested assistance in the construction of an information technology center to empower their members with greater economic opportunities. Our Chapter had adopted this program in December 2013 and had conducted two assessment trips in the springs of 2015 and 2016.

EWB-PSP is working with Coope to bring water, electricity and sanitation to the community center. In addition to BOSCO Uganda a local NGO; the EWB team has partnered with Architects Without Borders (AWB) for the design of community center. The team also sought to partner with a Seattle based NGO, Kilowatts for Humanity for the design and installation of solar panels to power the community center.



Architectural Design of ICT Center Created with our Partners at Architects Without Borders

In 2017, the team conducted alternatives evaluations and prepared several design documents to address three aspects of the program from structural design of a community center, powering the community center with solar panels, identifying a reliable source of water supply and evaluating different approaches to building sanitary systems. They also worked with BOSCO Uganda to acquire certified surveying and title of the project area. They are currently working on compiling construction cost estimates.

NICARAGUA – WATER SUPPLY

The Nicaragua program is one of the Chapter's long standing partnerships with communities in northern Nicaragua, founded by a Seattle based NGO Agros International. The Chapter had established a new project in La Bendicion Community in January 2016. This is a community is located in rural Nicaragua and the new home for over 50 families who moved there in search of financial independence. The community faces adversity from inadequate water supply and health problems due to source contamination.



La Bendicion Community Members with EWB – Dec 2016

EWB team conducted its first assessment trip to the community in December 2016 and established a relationship with the Community with the help of Agros International. They spoke with community members regarding their water needs, evaluated the existing water systems and collected hydraulic information.

The project team is currently designing a new water distribution system to help the community secure a sustainable supply of water and build a distribution center with individual household spigots. In 2017, the team evaluated several new sources of water for feasibility and water volume and also looked into rehabilitating existing systems. The proposed water distribution system will be designed alongside new water treatment system and storage tank.



La Bendicion Community Members

The team is planning to construct the water supply system in Spring 2018 and is preparing construction and design documents.

NICARAGUA – COFFEE PROCESSING AND WASTEWATER TREATMENT

In October 2012, the Chapter established this project in the community of Tierra Nueva to design and construct a coffee processing facility with a wastewater treatment system to filter and treat a season's worth of coffee processing wastewater.

The project teams conducted two assessment trips in January 2013 and February 2014 where they established a relationship with the community, conducted topographical surveying, spoke with local municipality engineers, scouted locally available construction materials and toured local coffee processing facilities.



EWB team with Municipality Engineers – February 2014

The coffee processing plant and wastewater treatment facility were constructed in Spring 2015. Since then the team had conducted two monitoring trips in December 2016 and December 2017. The purpose of the monitoring trips were to witness the beneficio in operation, identify any operational improvements and evaluate the project's impact within the community.



Tierra Nueva Farmers bringing in coffee harvest –Dec 2017

An EWB traveled to the Tierra Nueva community in December 2017, to observe the coffee harvest being processed and evaluate the treatment system at work. They are working with Agros and the community to improve operations.

Donor Appreciation

Corporations

The EWB-USA Puget Sound Professionals chapter is grateful to the following corporations, which have made generous donations to the chapter:

The Boeing Company
Boeing Company Gift Match
BergerABAM
WSP
Aspect Consulting
PCS Structural Solutions
CH2M Hill – Jacobs
Shannon & Wilson, Inc.

Individuals

The chapter is thankful to the following generous individuals who have each contributed over \$200 in 2017 to support our efforts:

- James Reed
- Blandino Go
- Eileen Ryan
- Stephanie Herkes
- Noel Spishak
- Vince Herberholt
- Miyoko Sasakura
- Viola Herkes

Financial Summary

In 2017, the chapter had a net cash flow of -\$22,760 with an income of \$37,390 and expenses of \$14,360. Chapter's expenditures were on an assessment (Sierra Leone) and monitoring (Nicaragua) trips; a kickball tournament fundraiser and overhead costs for hosting a website and maintaining a storage locker.

Looking forward to 2018 the Chapter is planning on implementing the Nicaragua Water Supply project and the first phase of the Uganda ICT center construction.

Chapter Leadership

Following is a list of members of the 2017 Chapter Executive Committee and the leads of the chapter programs:

- President, Eset Alemu
- President-Elect, Rowdy Roddick
- Past President, David Raegen
- Treasurer, Michael Kuntz
- Membership Chair, Kelsey Hu
- Fundraising, Abigail Messegee
- Projects Chair, Eric Koethe
- Student Liaison, Lauren Schmeisser and Ben Terry
- Information Officer, Robert Stumberger
- Nicaragua Program Lead, Sierra Gawlowski
- Uganda Program Lead, Will Herkes
- Sierra Leone Lead, Chris Stearns