



# ENGINEERS WITHOUT BORDERS USA PUGET SOUND PROFESSIONAL CHAPTER

## 2019 Annual Report

The Puget Sound Professional Chapter of Engineers Without Borders-USA (EWB-PSP) is pleased to report on the achievements and successes of our Chapter's work in 2019.

On behalf of our community partners, we offer our profound gratitude to the dedicated group of volunteers for the countless hours they have invested in our projects, and to all whose generous gifts make it possible for our Chapter to build a better world, one community at a time.

Sierra Gawlowski, 2019 President  
Max Magee, 2019 President-Elect  
Rowdy Roddick, 2019 Past-President

### 2019 Initiatives

The EWB-PSP Executive Committee outlined goals, anticipated challenges, and initiatives for 2019 at our annual leadership retreat. Key initiatives included:

- **Create a 2019 fundraising strategy.** In 2019, Chapter leadership worked closely with EWB-USA staff and consultants to prepare for the new EWB 2.0 cost-sharing model, which is expected to shift most fundraising efforts onto EWB-USA. Given our uncertainty regarding the magnitude and timing of cost-sharing support from EWB-USA, EWB-PSP set a goal of \$60,000 in January 2019. By the end of 2019, we raised \$44,693 and secured an additional end-of-year pledge of \$10,000 from Aspect Consulting toward the Uganda program.
- **Expand our Chapter's local presence through Community Engineering Corps projects and membership events.** EWB-PSP adopted a second Community Engineering Corps project in 2019. We also held a work party with the Washington Trails Association in the spring, had summer fundraisers at two breweries (Airways and Dog Days), and hosted our first annual summer BBQ at Ravenna Park. Our first Bingo Without Borders event at The Dane was a fun success.
- **Expand our outreach to members, contributors, and the local community.** Local outreach included lunch & learn presentations at several local engineering firms and a presentation at Mirabella Retirement Community. EWB-PSP participated in

the University Prep NGO fair and 8<sup>th</sup> grade capstone program.

### Kickball Without Borders

On September 7<sup>th</sup>, we hosted our 3<sup>rd</sup> Annual Kickball Without Borders tournament, a fundraiser for our international programs. Engineering firms from across the Puget Sound competed at Lower Woodland Park for the coveted trophy, which Pereteet took home this year! The Chapter raised over \$6,000 in net profit from the tournament.



*Kickball Without Borders beer garden – Sept 2019*

### Community Engineering Corps

The Community Engineering Corps (CEC) is the domestic branch of EWB-USA, where we provide pro bono engineering consulting services to local communities in need. We began 2019 with one active CEC project and formally adopted a second CEC project in the fall.

#### ***Nathan Hale Rainwater Catchment***

In 2019, we continued our partnership with the teachers and faculty who manage the urban farm at Nathan Hale High School, as they had sought help in designing a solution that would collect and store rainwater for farm operations. The team completed 60% design drawings in 2019 and are currently preparing a construction-ready set.

Because this is a CEC project, EWB-PSP's contributions are limited to engineering services and project management. The school is currently raising funds, and construction is anticipated to begin in 2020.



*Nathan Hale Urban Farm – Oct 2018*

### **VETS CAFE**

In 2019, we began our second CEC project: a partnership with the VETS CAFE. The VETS CAFE is part of the Veterans' Ecological Trades Collective, which supports veterans and allies in developing careers in Conservation, Agriculture, Forestry, and Ecological design. The goal of our partnership will be to design adequate infrastructure on a 120-acre donated farm in Thurston County. The farm had sat derelict for the 10 years prior to its donation.



*Tour of the VETS CAFE farm site – June 2019*

In October, we formally submitted an application to begin the first project in this partnership: a power project. We hope to continue with water, wastewater, and road projects in the future.

## **International Programs**

### **Sierra Leone – Health Clinic**

After beginning our partnership with Wai in 2016, our Sierra Leone program has progressed on four projects toward the ultimate goal of building a comprehensive health clinic in the community of Wai.

After the first assessment trip, we learned that the security of clean water was a priority to the community. In April 2019, the team planned to rehabilitate several wells. After our NGO partner, Tewoh Community Development Organization, secured additional funding prior to our trip, our team was able to rehabilitate all four of the previously non-functioning wells and replace one additional pump that is not locally available.



*Sierra Leone Travel Team – April 2019*

The team has continued to evaluate alternatives for the remaining four projects: structures, energy, and sanitation. We plan to return to Sierra Leone in 2020 for the final assessment trip, including visiting other health clinics in rural Sierra Leone.

With construction on the remaining 3 projects anticipated in 2021 or 2022, the Chapter will increase its focus on raising funds for the implementation phase.



## Uganda – Information and Communication Technology Center

EWB-PSP adopted the Information and Communication Technology (ICT) Center program in 2013. The goal is to empower the community of Coope by providing computer access and training, as well as training in other life and professional skills.



Coope Community – April 2016

In 2019, we established a relationship with the new EWB-USA Uganda Country Office, a significant milestone. The country office provides on-the-ground support from EWB-USA for our team here in Seattle, and they have assisted with our pursuit of required governmental agency approvals.

The project team is currently completing the final design for the proposed ICT Center, partnering with the Seattle Chapter of Architects Without Borders (AWB) to complete the building design as well as the Seattle-based NGO Kilowatts for Humanity for the design of a solar generating system that will provide power for the facility. The team has also been working with Construction for Change.



Children of Coope – April 2016

The team is also reviewing cost estimates and raising the remaining funds to move this project into the

construction phase. Construction program (water, structures, energy, and sanitation) is anticipated to begin in 2020, pending full funding of all four projects.

## Nicaragua – Water Supply

Our goal in 2019 was to continue to our relationship with our longtime NGO partner, Agros International. While both our Chapter and Agros are not yet ready to partner on another project, our Nicaragua team was able to provide Agros staff with resources for future initiatives in climate smart agriculture.

Agros has reported that the system is operating well and is supplying all families with clean water. The potable water committee (CAPS) is collecting a monthly fee based on metered water usage. They were able to purchase additional maintenance tools in October 2019. The CAPS has regularly turned on the pump to provide preventive maintenance, as it has not yet been necessary to use the pump to supplement the two gravity sources of water.



La Bendición Pumphouse – November 2019

EWB-PSP is preparing for a monitoring and evaluation trip to La Bendición in 2020 to evaluate the water supply system that was completed in November 2018. We plan to work with the EWB-USA Nicaragua Country Office to complete the visit. If the water supply system is functioning as expected, the Chapter intends to close out the Nicaragua program in 2020 as our 5-year commitment to the community comes to a close.

## Financial Summary

In 2019, the Chapter had a positive net cash flow of \$20,252 with an income of \$44,693 and expenses of \$24,441. Chapter expenditures included the implementation trip in Sierra Leone and the advance purchase of construction materials for the Uganda program. In addition, the Chapter spent funds on

materials for the kickball tournament fundraiser and also incurred overhead costs for hosting the EWB-PSP website and maintaining a storage locker for Chapter supplies.

In 2020, the Chapter is planning on completing a final assessment trip in the Wai, Sierra Leone as well as kicking off construction on the ICT center in Coope, Uganda.

## Donor Appreciation

### Groups

EWB-PSP would like to express sincere gratitude to the following firms and organizations that provided generous contributions to the Chapter in 2019:

- AECOM
- Airways Brewing
- American Society of Civil Engineers, Seattle Section
- Aspect Consulting
- Boeing Company Gift Match
- Dog Days Brewing
- HNTB Corporation
- Jacobs
- Mott MacDonald
- PCS Structural Solutions
- Perteet
- Shannon & Wilson, Inc
- The Boeing Company
- The Dane
- Vigor Industrial LLC
- WSP

### Individuals

The Chapter is thankful to the following generous individuals who have each contributed over \$200 in 2019 in support of our efforts:

- Adnan Khan
- Brenda Ding
- Brendan & Sierra Gawlowski
- Clare Magee
- Cooper Val
- Donna Cowles
- Edward McDaniel
- Eileen Ryan
- Eric Koethe
- James Hoover
- Jeffrey Gabster
- Kaleb Madsen
- Kelsey Hu
- Krijn De Jonge
- Mary Guerra

- Max & Raelene Magee
- Paul Wyckoff
- Peter Sturtevant
- Rahmi Kutsal
- Ross Brazzale
- Rowdy Roddick
- Sean McCrohan
- Stephanie Herkes
- Steve Roddick
- Ulrich Ganz
- Vince Herberholt
- Will Herkes

## 2019 Chapter Leadership

Thank you to the leadership and dedication of our 2019 Chapter Executive Committee and leads of the Chapter programs!

- President, Sierra Gawlowski
- President-Elect, Max Magee
- Past-President, Rowdy Roddick
- Fundraising Coordinator, Ross Brazzale
- Information Officer, Robert Stumberger
- Local Projects Coordinators, Beth Mende & Peter Brask
- Membership Coordinator, Nick Zombor
- Projects Coordinator, Eric Koethe
- Publicity Coordinator, Brendan Gawlowski
- Secretary, Wenting Guo
- Student Chapter Ambassadors, Sofia Wilkinson & Ross Hunnicutt
- Treasurer, Adnan Khan
- Nicaragua Program Lead, Sierra Gawlowski
- Sierra Leone Program Leads, Chris Stearns & Wenting Guo
- Uganda Program Lead, Will Herkes