

# 2016

## ANNUAL REPORT



## TABLE OF CONTENTS

|                                      |    |
|--------------------------------------|----|
| Message from the President .....     | 3  |
| Current Leadership .....             | 4  |
| Mission Statement .....              | 5  |
| Financial Performance .....          | 6  |
| Projects & Initiatives .....         | 8  |
| Completed Programs .....             | 11 |
| Committees & their Initiatives ..... | 12 |
| Acknowledgements .....               | 13 |
| Volunteers .....                     | 14 |

# 2016

## Annual Report

<http://www.ewbny.org/>

## MESSAGE FROM THE PRESIDENT



Dear EWB-NY members and friends,

2016 was quite an exciting year for our chapter. We started in full force with assessment trips for two new projects - Misuuni, Kenya and Rubaya, Rwanda. Shortly afterwards, we had our first annual Executive Board Retreat. Over the summer, we hosted visitors from Sweden and Kuwait who wanted to learn more about EWB-NY. In the fall, we partnered with 180DC consulting from Columbia University on strategies for marketing and Fundraising. Finally, we closed out our project in Belen, Peru and started taking steps towards closing out two of our long-standing projects - Usalama, Kenya and Yamabal, El Salvador. On top of all this, EWB-USA launched two brand new platforms that we learned to use - one for collecting donations on Classy, and the other for tracking all of our internal reports and submissions on Volunteer Village.

None of this would have been possible without the contributions of so many: our amazing volunteers, the entire Executive Board, our donors, and of course the communities we work with abroad. All of these incredible, smart, and passionate people took a chance on working with us to make a difference.

Together, we have had a profound impact on our partner communities, both those in start-up mode as well as those in close-out mode. We do feel that it is important now, more than ever, to support organizations like EWB-NY. We're creating global leaders, breaking down barriers, and learning about other cultures.

The work is far from done, and the challenges ahead are many. 2017 will be a challenging year, one where we will likely start up a new project to replace the closing ones. We are hopeful that the new systems in place, along with our dedicated volunteers, will help bring EWB-NY to a new level, to build even stronger and more effective mechanisms to support communities and volunteers. And we hope you'll stick around to see it happen!

Sincerely,  
Rachel Webre

## EWB-NY LEADERSHIP (CURRENT)

### **President**

Tedi Angoni

[president@ewbny.org](mailto:president@ewbny.org)

### **Vice-President**

Patrick Brennan

[vp@ewbny.org](mailto:vp@ewbny.org)

### **Secretary**

Rigdha Banerjee

[secretary@ewbny.org](mailto:secretary@ewbny.org)

### **Treasurer**

Simon Forsyth

[treasurer@ewbny.org](mailto:treasurer@ewbny.org)

### **Appropriate Technology Design Team (ATDT)**

Phoebe Law | [atdt@ewbny.org](mailto:atdt@ewbny.org)

### **Education & Training**

Natalie McCrudden | [education@ewbny.org](mailto:education@ewbny.org)

### **Fundraising & Marketing**

Renate Crollini | [fundraising@ewbny.org](mailto:fundraising@ewbny.org)

### **Web Manager**

Seva Liokumovich | [administrator@ewbny.org](mailto:administrator@ewbny.org)

# MISSION STATEMENT

Engineers Without Borders USA builds a better world through engineering projects that empower communities to meet their basic human needs and equip leaders to solve the world's most pressing challenges.

## WHY?

**At the beginning of the 21st century, humanity is facing tremendous global challenges:**

- *1.4 billion people in the world live on less than \$1.25 a day; 2 billion live on less than \$2 a day*
- *Nearly 1.1 billion people do not have access to clean drinking water*
- *2.6 billion do not have access to proper sanitation*
- *Unsafe water, inadequate sanitation and the lack of hygiene claim the lives of an estimated 1.6 million children under the age of five every year*
- *1.4 billion people lack access to direct electricity*
- *2.7 billion people still rely on traditional cooking using biomass energy*
- *Household air pollution that results from biomass use will result in over 1.5 million deaths per year by 2030*
- *Over a billion people do not have access to an all-weather road or telephone*

These challenges must be met not only for the well-being of those in need, but for the continued prosperity for all humanity. EWB-USA presents an opportunity to invest in the future of humanity, while simultaneously investing in the education of its members.

EWB-USA works to achieve a vision of a world in which all communities have the capacity to meet their basic human needs. This vision is actively pursued by engaging in community-driven development programs through the design and implementation of sustainable engineering projects. The organization is at the forefront of a movement in which university students and skilled engineers, often teaming with public health professionals, educators, business leaders and others, address some of the most prevalent challenges facing the world today, including water purification and delivery, sanitation, transportation and infrastructure projects, and sustainable and renewable energy systems.

## FINANCIAL PERFORMANCE 2016

| (/000 USD)                      | 2016         |
|---------------------------------|--------------|
| <b>Current Assets</b>           | \$ 95,411.84 |
| <b>Cash &amp; Equivalents</b>   | --           |
| <b>Held by National Chapter</b> | \$ 95,411.84 |
| <b>Property &amp; Equipment</b> | \$ 1,500.00  |
| <b>TOTAL Assets</b>             | \$ 96,911.84 |
| <b>HQ Account</b>               | \$ 95,411.84 |
| <b>Debt</b>                     | \$ 0.00      |
| <b>TOTAL Liabilities</b>        | \$ 96,911.84 |

As with our parent organization, EWB USA, EWB-NY is funded primarily through generous donations from corporations, individuals, and grant makers. In addition, we may receive grants from EWB-USA.

EWB-NY strives to keep its overhead costs to a minimum. We are able to do so thanks to the time donated by our volunteers. In the spirit of EWB-USA, our chapter is 100%-volunteer operated. Our 2016 results prove our commitment to this strategy, with 96% of our expenses directly allocated to our projects.

EWB-NY has had consistent and prudent financial performance. In 2016, EWB-NY fundraised at approximately its rate of spending; it closed 2016 with only a small variance in current assets from year-end 2015 (\$98,808).

## FINANCIAL PERFORMANCE 2016 (CONT.)

| (/000 USD)  | 2016                |
|---|---------------------|
| <b>Revenues</b>                                   | <b>\$ 20,161.28</b> |
| Grant Allocations                                 | \$ 0.00             |
| HQ Subsidies                                      | \$ 1,704.00         |
| Donations - Individuals                           | \$ 6,985.00         |
| Donations – Corporations<br>(in \$\$ and in-kind) | \$ 6,610.00         |
| Fundraising Events & Others                       | \$ 4,862.28         |
|   |                     |
| <b>Expenses</b>                                   | <b>\$ 15,714.57</b> |
| Projects  | \$ 15,036.76        |
| Marketing & Events                                | \$ 493.43           |
| Overheads   | \$ 184.38           |
|   |                     |
| <b>Net Revenues (Deficit)</b>                     | <b>\$ 4,446.71</b>  |

# PROJECTS & INITIATIVES 2016

Completing our **12th year** as a professional chapter, EWB-NY has a strong foundation of members and partners, as well as the expertise to lead development projects with focus on sustainability and community.

## OUR IMPACT

FOOD ACCESS

WATER ACCESS

EDUCATION ACCESS

ECONOMIC DEVELOPMENT



# RUBAYA

## Economic development through farming

EWB-NY is partnering with Goodneighbors Rubaya, a farming cooperative in Rubaya, Rwanda to install a maize processing plant to spur economic development in the area. Currently, the farmers practice subsistence farming with highly variable yields and quality and lack access to appropriate storage and processing equipment.

The project aims to widen the distribution channels by increasing the quality of Goodneighbors' products and construct their own mill, which would allow the farmers, to be able to produce, mill, and sell its own product.

The project will proceed in two phases, with Phase 1 focusing on providing training, improving the processes and facilities for maize growing, harvesting, quality testing, drying, bagging, storing, and marketing. Phase 2 would include integrating the improved product into the market and continuous improvement through the construction of a Goodneighbors-owned milling facility.

Once complete, the project will increase farmers' capacity to grow, harvest, and sell maize through collective farming practices, shared knowledge, and joint marketing.



**PROJECT LEAD**  
**Mira Armstrong**  
[rubaya@ewbny.org](mailto:rubaya@ewbny.org)

# MISUUNI PROJECT

## Improving access to clean water

Like the millions of people in Sub-Sahara Africa without adequate water supply, people in the village of Misuuni struggle on a daily basis to meet their basic needs. The burden of hauling water – water often laden with illness-causing contaminants – falls to women and children who may spend nearly half their day with this job. The time spent hauling water detracts from the time women spend performing income-generating work. The time children spend hauling water detracts from the time they could spend in school. The rates of water-borne illness are high.

EWB-NY has partnered with Misuuni Development Self-Help Group to improve access to clean water. EWB-NY Misuuni is currently designing improvements to the rainwater harvesting systems at two primary schools. This is an interim project while planning and data collection continues towards a larger project to improve the water situation community-wide. The first phase of rainwater harvesting improvements will be implemented in early 2018.



**PROJECT LEAD**  
**Eric Lehan, P.E. &**  
**Kasturi Shah**  
[misuuni@ewbny.org](mailto:misuuni@ewbny.org)

# COMPLETED PROGRAMS (2016 CLOSINGS)

## Improving health, education and sanitation

Our two longest tenured programs have traveled and completed the close-out procedure with their respective communities. The Usalama, Kenya and the Yamabal, El Salvador programs successfully fulfilled their 5-year commitments and impacted countless individuals during their durations.

The Usalama program, which began in 2006, has improved the community's health and educational facilities through the construction of a school building and the infrastructure for a water distribution system. Despite the challenges in a consistent upstream water supply, Usalama has inherited the capabilities to run these systems independently of EWB-NY.

The Yamabal program also has experienced a level of success since the program's inception in 2010. During the duration of the program, the Yamabal team has successfully designed and constructed 17 composting sanitary latrines and most recently, designed and procured materials for a water filtration system. Unfortunately, the program was cut short due to extenuating circumstances outside of EWB-NY's control.

Regardless of the challenges, both programs significantly impacted the communities they represented and improved their standard of living. The completion of these programs can be considered nothing short of a success.



# COMMITTEES & THEIR INITIATIVES

## Appropriate Technology Design Team

The Appropriate Technology Design Team (ATDT) serves as a connection point for projects within our chapter and elsewhere to volunteers with specific knowledge and to technology that may help on the project. Throughout the year we also work with the Education team to set up events to connect with our local community and educational events for the EWB-NY community. In 2016, we hosted various panels and movie screenings relevant to engineering and the developing world, including a panel for Information and Communication Technologies for Development (ICT4D). The plan for 2017 is to expand into working on small design projects to challenge our members and help with aspects of our chapter's projects. We are currently having monthly and eventually bi-weekly meetings.

## Fundraising & Marketing Committee

The Fundraising and Marketing Committee consists of fundraising and marketing representatives from each project as well as dedicated committee members. The main objective of the committee is to provide support to each project to assist with fundraising goals, monitor grant applications, provide assistance for any fundraising efforts, and any other assistance required. In 2016, the Committee developed and implemented a Corporate Sponsorship Program with the objective to solicit annual donations from engineering, agricultural, and other committed companies. On average, each project hosts one happy hour with a silent auction or a raffle every second month. These events normally yield between \$1,500 and \$2,000 in donations an evening.

# ACKNOWLEDGEMENTS

Our work and accomplishments would not be without the support of our sponsors, partners, and donors, may that be corporate or individual.

EWB-NY is extremely grateful for the support over the past year and we look forward to their continued support in 2017 and beyond.



# VOLUNTEERS

The success of EWB-NY projects and initiatives would not be possible without the hard work and dedication of the men and women who volunteer their time and expertise to help communities across the globe. Here's a list of some of the people that we would like to thank.

|                     |                    |                              |                                     |
|---------------------|--------------------|------------------------------|-------------------------------------|
| Aaron Shew          | Elizabeth Schrandt | Liz Fleming                  | Olivia Parker                       |
| Abigail Farrell     | Eric Auerbach      | Maeva Ghonda                 | Pady Naidu                          |
| Alexander Chowdhury | Eric Lehan         | Magdy Salah                  | Paroma Saha                         |
| Allie Kauffman      | Erick Martinez     | Manoela Quadros Hammoud      | Patrick Brennan                     |
| Allison Reese       | Griffin Teed       | Marc Santos                  | Patrick Farnham                     |
| Amanda Setiawan     | Gulsha Lutchmun    | Marcellin Nshimiyimana       | Phil Armstrong                      |
| Anh Nguyen          | Iana Aranda        | Margo Wilson                 | Phoebe Law                          |
| Anthony Avendano    | Ingred Dudek       | Mat Chamish                  | Pilar Rau                           |
| Anthony Giamella    | Jack Naidoo        | Matt Sisul                   | Priscilla Daybelis Peguero Valencia |
| Antonio Gadaleta    | Jacob Lehan        | Matthew O'Grady              | Pulkit Kanotra                      |
| Avi Guter           | Janelle Heslop     | May ElKhattab                | Rachel Webre                        |
| Benjamin Alper      | Jean Occidental    | Megan Musacchio              | Renate Crollini                     |
| Bethany Schneider   | John Puleo         | Megan Reese                  | Rigdha Banerjee                     |
| Bobby Issac         | Jordan Lee         | Michelle Grossman            | Sam Sherman                         |
| Boris Nimcevic      | Jordan Patasaw     | Miguel Matos                 | Sara Donatich                       |
| Brandon Iskra       | Jose Canales       | Mira Armstrong               | Sarah Teevan                        |
| Carlos Becerril     | Josef Reinke       | Molly Aaker                  | Shervin Abdolhamidi                 |
| Charles Newman      | Joseph Newman      | Monica Martinez              | Skyler Marinoff                     |
| Charly Bertran      | Judy Hodge         | Murial Dumit                 | Stephanie Ngai                      |
| Chris Lysiuk        | Julia Casagrande   | Mychael Crafton              | Steve Miller                        |
| Christine Chen      | Kaled Alamarie     | Nadia Makara                 | Tedi Angoni                         |
| Claire Wang         | Karina Alventosa   | Natalie McCrudden            | Tim Weiss                           |
| Cristina Cignoli    | Kasturi Shah       | Natchaya May Vutrapongvatana | Tristan Schwartzman                 |
| Daniel Buser        | Katie-Sue Derejko  | Nick Rose                    | Udensi Kalu                         |
| Danny Wo            | Kelvin Liu         | Nickey Lea                   | Valeri Kolev                        |
| Dave Maharaj        | Kevin Boerner      | Nicole Pappalardo            | Valmiki Ramroop                     |
| Dean Challes        | Kristina Lee       | Nicolette Leung              | Walt Walker                         |
| Dimitrios Niarchos  | Lia Fabian         | Nisa Foster                  | Weiling Xu                          |
| Divya S Vanka       | Lina Posso         | Nolan Mazur                  | Yashodhara Chowdhury                |

## Interested in volunteering with EWB-NY?

EWB-NY is always looking for motivated and selfless individuals like you! For more information, please visit our website [www.ewbny.org](http://www.ewbny.org) or reach out to any of our members.

# 2016

## THANK YOU!

