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
President
Tedi Angoni
president@ewbny.org

Vice-President
Patrick Brennan
vp@ewbny.org

Secretary
Rigdha Banerjee
secretary@ewbny.org

Treasurer
Simon Forsyth
treasurer@ewbny.org

Appropriate Technology Design Team (ATDT)
Phoebe Law | atdt@ewbny.org

Education & Training
Natalie McCrudden | education@ewbny.org

Fundraising & Marketing
Renate Crollini | fundraising@ewbny.org

Web Manager
Seva Liokumovich | administrator@ewbny.org
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.

Sources: The World Bank, The United Nations Development Programme
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.)

<table>
<thead>
<tr>
<th>Revenues (/000 USD)</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Allocations</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>HQ Subsidies</td>
<td>$ 1,704.00</td>
</tr>
<tr>
<td>Donations - Individuals</td>
<td>$ 6,985.00</td>
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<tr>
<td>Donations – Corporations (in $$ and in-kind)</td>
<td>$ 6,610.00</td>
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<tr>
<td>Fundraising Events &amp; Others</td>
<td>$ 4,862.28</td>
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<tr>
<th>Expenses (/000 USD)</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projects</td>
<td>$ 15,036.76</td>
</tr>
<tr>
<td>Marketing &amp; Events</td>
<td>$ 493.43</td>
</tr>
<tr>
<td>Overheads</td>
<td>$ 184.38</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Revenues (Deficit)</th>
<th>2016</th>
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<tbody>
<tr>
<td></td>
<td>$ 4,446.71</td>
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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
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
Like the millions of people in Sub-Saharan 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
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.
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.
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.
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.

VOLUNTEERS

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 Hammond  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 Nimecovic  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  Nicky 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 or reach out to any of our members.
2016
THANK YOU!

EWB-NY PROFESSIONAL CHAPTER
http://www.ewbny.org/