

rising to the challenge

Building Community Resilience During
an Unparalleled Year



ENGINEERS
WITHOUT
BORDERS
USA

2020 ANNUAL REPORT

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mission + vision

[mission]

EWB-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.

[vision]

EWB-USA's vision is a world in which every community has the capacity to sustainably meet their basic human needs.

letter from the CEO

Dear EWB-USA Community,

The global pandemic underscored the importance of our work ensuring that the world's most vulnerable people have access to critical infrastructure. Creating resilient communities has never been more important and the current global health crisis has magnified the overwhelming need for basic infrastructure.

The pandemic raised the world's awareness of the importance of handwashing and access to clean water – basic services that over 2 billion people in the world still lack. And, as you will see across these pages we doubled down on our commitment to our partner communities, delivering personal protective equipment (PPE) to frontline workers, shoring up and increasing the capacity of water systems at hospitals, and installing handwashing stations in high traffic areas in communities around the globe.



Despite the numerous challenges the year presented, we delivered on our commitments to communities around the world when they needed us most. In fact, we completed more projects in 2020 than the previous year.

We focused our efforts around:

1. Ensuring the safety of our partner communities, volunteers and staff while doing what we could to limit the spread of COVID-19.
2. Providing a continuity of service for our partners by continuing to deliver on projects remotely.
3. Supporting communities and relief agencies on the frontlines of the pandemic.

The heightened need for our services under new conditions also challenged us to rethink how to best serve our communities and reevaluate our priorities, practices, and policies. We came out of the year with a new five-year strategic plan that will make us more nimble, better able to serve our partner communities, and allow us to continue convening organizations to share knowledge and best practices in the humanitarian engineering space.

Despite the unprecedented scale of the crisis and the ways we've repositioned our support from our country offices, our long-term mission remains unchanged. We remain committed to our goals of ending poverty through the use of culturally appropriate and sustainable infrastructure. To get there, we will focus our efforts on helping our partner communities work toward a resilient recovery from the pandemic and ultimately build back stronger.

You are the reason we are able to provide a solid first line of defense and make positive impacts on millions of people around the world. As we look forward to a brighter future, let's take a moment to acknowledge our accomplishments during this historic crisis. Throughout these pages, you'll discover what your support looks like on the ground.

Thank you for supporting EWB-USA during these difficult times.

In partnership,
Jackie O'Brien

You are the reason we are able to provide a solid first line of defense and make positive impacts on millions of people around the world.



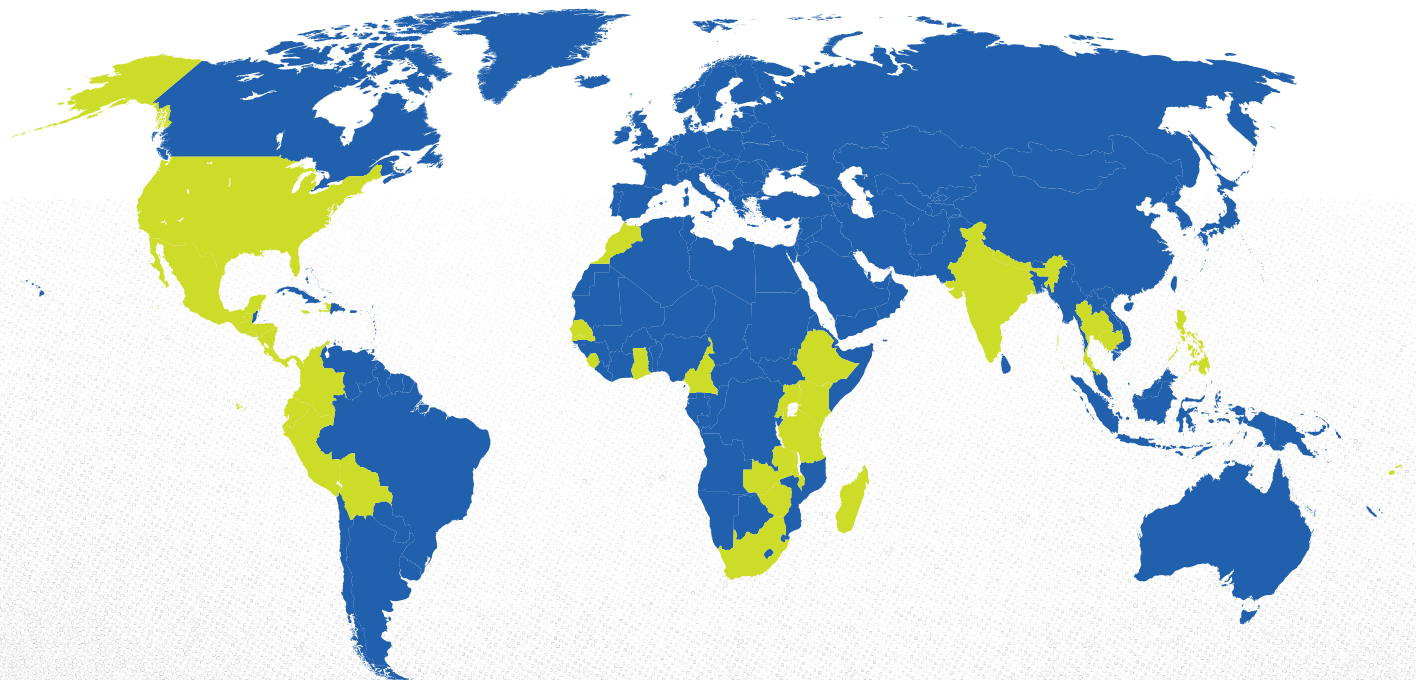
where we work

We won't stop innovating until communities everywhere have the essentials they need to live healthy, productive lives.

IN 2020: **10K** VOLUNTEERS worked on **493** PROJECTS impacting **1.4M+** PEOPLE

From solar-powered water pumps to latrines and biogas plants, our wide-ranging projects have far-reaching implications – more kids in school, less time procuring water, lights on, roofs on, and safe bridges and roads for travel.

We are proud to be working alongside our partners in 38 countries and 27 states and territories.



Barbados
Bolivia
Cambodia
Cameroon
Colombia
Costa Rica
Dominican Republic
Ecuador

El Salvador
Ethiopia
Fiji
Gambia
Ghana
Guatemala
Haiti
Honduras

India
Jamaica
Kenya
Madagascar
Malawi
Mexico
Morocco
Nepal

Nicaragua
Panama
Peru
Philippines
Rwanda
Senegal
Sierra Leone
South Africa

Tanzania
Thailand
Uganda
United States
Zambia
Zimbabwe

493 projects underway

 279 water

 23 agriculture

 74 structures

 23 civil works

 31 energy

 56 sanitation

 07 other



2020 HIGHLIGHTS:

your support on the ground

Through our work, we are proving the power of engineering. We know that keeping communities healthy and safe in this pandemic starts with the essentials: clean water, good hygiene, and functioning infrastructure.

AT HOME:

Minimizing Risk, Sharing Our Expertise & Sparking Innovation Remotely

First and foremost, the safety of our teams and partner communities continued to be our top priority.

At the onset of the pandemic, we reached out to our international community partners to understand how we could best support them. We responded to their requests by producing a series of handbooks with practical tips and information on a variety of topics important to responding to COVID-19.

“

“Early on during COVID-19 pandemic, EWB-USA decided to step out of the box and provide a space for our volunteers to respond to the pandemic in ways that they are uniquely qualified to do and in an agile and tactical way. I knew the volunteers of EWB-USA would respond, but what amazed me were the skills, creativity and the passion they brought with them,”

—BRUCE NIEMAN,

EWB-USA VOLUNTEER AND COVID-19
TACTICAL ENGAGEMENT TEAM LEAD

Our Hand Washing Station design manual was distributed to the 443 communities and 3.2 million community members we serve as well as 12 International non-governmental organizations (NGOs) and 65 EWB-International organizations. Stories are coming in of communities sharing this resource with NGOs and other communities working to build new handwashing stations.

Our first ever Hackathon brought together 11 teams representing nine countries to “hack” this pandemic. Hacks to our in-country partners’ needs ranged from banana hand sanitizer to air purifiers, to easily constructed COVID-19 isolation rooms. The teams pushed themselves to design culturally appropriate technologies aiding communities in combating COVID-19. We are enthusiastic about the thinking coming out of this two-day intensive virtual event.

Building Local Communities Up: “Safe Outdoor Spaces” Provides Hope and Stability During COVID-19

EWB-USA’s Community Engineering Corps (CECorps) staff and local volunteers teamed up with organizations near our headquarters in Denver and Aurora, Colorado in supporting Safe Outdoor Spaces by providing planning services.

Safe Outdoor Spaces are temporary, managed campsites serving people experiencing homelessness during the pandemic.

The idea, which has proved successful in other cities, is to offer tents in protected areas to people experiencing homelessness, while also providing them with sinks, toilets, and access to social services. The camps EWB-USA supported serve some especially vulnerable populations: women and transgendered individuals in one instance and people testing positive for COVID-19 in another. From designing the ideal layout for the sites, advising on drainage, and configuring the placement of platforms for tents, our team ensured that people experiencing homelessness had access to safe shelter during this health emergency.

“

“EWB-USA has been amazing to work with and I couldn’t ask for a more willing, capable, and enthusiastic group of individuals to help us get this emergent project completed.”

—LANA DALTON,

HOMELESSNESS PROGRAMS MANAGER,
CITY OF AURORA

IN THE FIELD:

Our Country Offices Lead Our Response Efforts

Our country offices can respond to emergencies efficiently because they've spent years building trust with local governments, local communities, and local leaders. Their ability to assess and prioritize needs and respond quickly was key to our interventions.

Guatemala: Helping Communities Stay One Step Ahead

Without strong health care systems, prevention is critical to protecting vulnerable people in developing countries from COVID-19.

In Guatemala, we responded to the pandemic by strengthening a struggling healthcare system and safeguarding the health of frontline responders by providing crucial Personal Protective Equipment (PPE). Funding support and partnerships allowed us to supply over 90,000 units of locally-manufactured PPE to 12 hospitals, 10 health centers and health posts, 4 groups of first responders, and 30 midwives.

We improved infrastructure issues at multiple hospitals and health centers. This work included recovering two non-functioning wells at regional hospitals, setting up a water filtration and treatment system at a health center, addressing water storage issues at two health centers, and rebuilding toilets, hand washing facilities, and constructing COVID-19 isolation áreas at two healthcare facilities.

Additionally, 18 hands-free handwashing stations were built and distributed to 14 healthcare facilities in the Western Highlands departments of El Quiché, Sololá, Quetzaltenango, and San Marcos. These stations, designed by volunteers and Guatemala staff, are currently being implemented by several other organizations in Guatemala. The healthcare facilities we supported during this immediate response serve more than 5,000,000 people.

Our accomplishments on the ground in Guatemala, Nicaragua, and Uganda underscored the power of this local-centric model and spurred us to open an additional office in Quito, Ecuador. We're positioning ourselves for even greater impact with this additional well-grounded resource.

“

“During April and May, we received calls almost every day from facility directors desperate for PPE. Being able to respond quickly to those calls with equipment that kept doctors and nurses safe made a huge impact on the resilience of those facilities during the critical early days of the pandemic.”

— STEVE CROWE,

EWB-USA GUATEMALA COUNTRY DIRECTOR



Nicaragua: Better Health & Access to Water Creates Resilience in Homes

Nicaragua was hit hard by the pandemic. Because of an initial slow and uncoordinated response, we're stepping up on all fronts to improve the health of our partner communities so they are better able to fend off COVID-19.

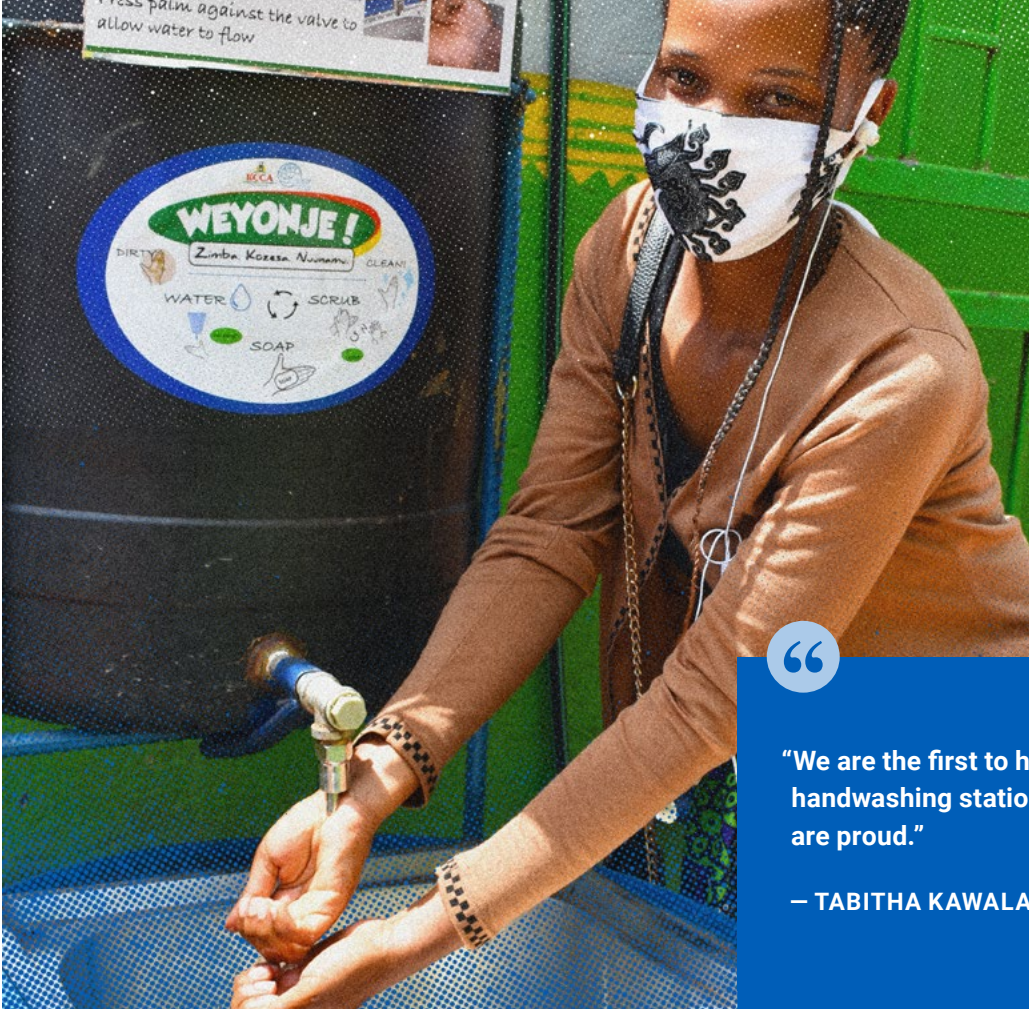
We're helping more than 200 people cook their meals without compromising their respiratory systems or depleting their valuable natural resources.

With the installation of 54 improved stoves in Matagalpa, the fourth largest city in Nicaragua and one of the top three cities with COVID-19 cases, we're helping more than 200 people cook their meals without compromising their respiratory systems or depleting their valuable natural resources.

We've also completed the first phase of a water distribution system, installing 54 public tap stands and valves, a pumping house and electrical installations.

"Knowing that we are providing reliable access to water to 1170 people in El Llanito, makes me feel proud of our volunteers, who selflessly have invested their time and resources in order to equip the community with an immediate protection against COVID19," said Edrulfo Rodriguez, EWB-USA's Nicaragua Country Office Director.





“We are the first to have this type of handwashing station. It is so good, we are proud.”

— TABITHA KAWALA

We are proud to report that we have 278 stations installed in taxi parks, markets, schools, the Nakivale Refugee Settlement and other high traffic areas.

Uganda:

Elevating Water, Sanitation and Hygiene Services

Promoting Better Health at the Ntinda Market

On a typical day, the Ntinda Market bustles with life. Market stalls overflow with rows of bananas, sweet potatoes, and pineapples in shades of red, yellow, and green. Amongst the tightly spaced sheet metal-roofed stalls, you’ll find Tabitha Kawala whose produce shines in the mid-morning sun. Tabitha has been a fixture in the market, watching it grow and change over the years. The market’s latest improvement, a new handwashing station located in clear view of her stall, brings a wide smile to her face.

“Our market is upgraded now,” she says, commenting on the new sky blue station replete with handwashing information and a mirror. “We are the first to have this type of handwashing station. It is so good, we

are proud.” Another vendor chimes in, “We show people how to use it when they come in,” she says.

The handwashing station is one of more than 200 being installed in high-traffic areas in and around Kampala’s town center. It is one of six in the Ntinda Market. Given the role local markets play in linking urban and rural economies, providing economic opportunity, and creating active public spaces, it is important to protect and enhance community markets and the people who depend upon them.

The handwashing stations serve not only as important visual reminders for good hand hygiene, but also provide valuable opportunities for the 500-800 people passing through the Market each day to do the most basic and quite possibly the most effective thing to prevent disease: wash their hands.

We are proud to report that we have 278 stations installed in taxi parks, markets, schools, the Nakivale Refugee Settlement and other high traffic areas.

Charles Mubache, chair of the Ntinda Market says that with the six new stations in place, he feels positive about the conditions at the market, and he has good reason. Susan Namtesa, health inspector for the Kampala Capital City Authority, recently reported that the local rates of communicable diseases and diarrheal infection have declined as residents turn to handwashing stations to improve hygiene during the pandemic. And, that's a very good thing.



Local Problems Spark Local Solutions: EWB-USA and the Response Innovation Lab Partner on the Soap Challenge (Lather Up!)

In seeking to solve the challenge of creating an efficient and hygienic solution to providing soap at highly trafficked public places, WEB-USA reached out to the Response Innovation Lab (RIL) in Uganda for assistance.

Within 10 days of launching the Soap Challenge, the Innovation Lab received 31 applications.

Ultimately, Ali Kabona, a 25-year-old telecommunications engineering student at Makerere University was awarded top prize.

The Soap Challenge is an example of how global institutions can work together to support the localization of problem-solving during humanitarian emergencies.

Facts on Hand Hygiene

1 in 4 health care facilities do not have basic water services, which means that 1.8 billion people currently lack basic water services at their health care facility, while 712 million have no running water at their health care facility.

1 in 3 facilities lack hand hygiene facilities at the point of care.

Compliance with hand hygiene best practices is only around 9% during care of critically ill patients in low-income countries.

Levels of hand hygiene compliance for high-income countries rarely exceed 70%, calling for additional efforts to improve practices all over the world.

OUR financials

In a financially challenging year, thanks to the steadfast support of the entire EWB-USA community, we fulfilled our commitments to communities around the world when they needed us the most.

2020

Statement of Financial Position

Assets

Current Assets

Cash and Cash Equivalents	\$5,975,817
Investments	1,854,698
Contributions and Grants Receivable	619,480
Membership Dues Receivable	-
Prepaid Expense	108,696
Project Advances	160,727
Funds held on behalf of EWB-I	150,494
Furniture & Equipment (Net)	55,479
TOTAL ASSETS	\$8,925,391

Liabilities & Net Assets

Current Liabilities

Accounts Payable & Accrued Expenses	23,829
Accrued personnel costs	156,694
Deferred Revenue	-
Refundable advances	284,744
Agency liability	150,494
Paycheck Protection Program Loan	607,900
TOTAL LIABILITIES	\$1,223,661

Net Assets Without Donor Restrictions

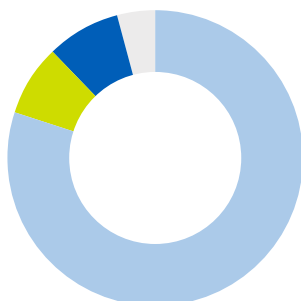
Board designated	-
Undesignated	941,116
Total net assets without donor restrictions	941,116
With donor restrictions	6,760,614
TOTAL NET ASSETS	\$7,701,730
TOTAL LIABILITIES AND NET ASSETS	\$8,925,391

2020

Statement of Activities

Revenue, Gains & Support	without Donor Restrictions	with Donor Restrictions	Total
Contributions, grants and contracts	\$3,031,469	\$2,571,822	\$5,603,291
In-kind project mentor contributions	1,075,900	-	1,075,900
Membership dues	74,388	-	74,388
Other income	103,922	-	103,922
Investment return	140,740	-	140,740
Net Assets Released from Retrictions	4,687,317	(4,687,317)	-
TOTAL REVENUE, GAINS AND SUPPORT	\$9,113,736	\$(2,115,495)	\$6,998,241

Expenses			
PROGRAM SERVICES			
Projects	\$7,104,734	-	\$7,104,734
Education	355,626	-	355,626
TOTAL PROGRAM SERVICES	\$7,460,360	-	\$7,460,360
SUPPORTING SERVICES			
General and administrative	765,777	-	765,777
Fund raising	749,203	-	749,203
TOTAL SUPPORTING SERVICES	\$1,514,980	-	\$1,514,980
TOTAL EXPENSES	\$8,975,340	-	\$8,975,340
Change in Net Assets	138,396	(2,115,495)	(1,977,099)
Net Assets (Beginning of Year)	802,720	8,876,109	9,678,829
NET ASSETS (END OF YEAR)	\$941,116	\$6,760,614	\$7,701,730



- Program Services: 80%
- Fundraising: 8%
- General & Administrative: 8%
- Education: 4%

OUR supporters

On behalf of our volunteers and all the communities around the world that partner with EWB-USA, we thank and recognize the supporters below who gave \$1,000 or more to strengthen our capacity to engineer change.

\$1,000,000+	National Council of Examiners for Engineering and Surveying (NCEES)		
\$500K-\$999,999	Bechtel Group Foundation	United States Department of Agriculture (USDA)	
\$200K-\$499,999	Anonymous Colin and Roberta Moore	Joseph Adams and Patricia Habel Pratt & Whitney	Raytheon Technologies Corporation
\$100K-\$199,999	Arconic Foundation Black & Veatch	International Planned Parenthood Foundation Wallace Genetic Foundation	Stantec Consulting Services, Inc.
\$50K-\$99,999	Anonymous American Society of Civil Engineers (ASCE) Burns & McDonnell CDM Smith	Farvue Foundation Northrop Grumman Open Philanthropy Project OpenGuilds	United Nations Development Program Warmenhoven Family Foundation
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\$5K-\$9,999

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BNY Mellon Trust of Delaware	Jerold and Stephanie Kayden Fund		
Catherine and Steve Leslie			

\$1K-\$4,999

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