

12 Years  
of Community Uplifting



LIFELINE  
2017 Annual Report



The average woman in rural Uganda spends over 8 hours each day collecting wood and cooking. The economic cost of this burden measures in the billions of dollars across sub-Saharan Africa, making it virtually impossible for these impoverished households to escape the cycle of poverty. Over 1.4 million lives have been impacted by Lifeline's fuel saving stoves in Uganda, Haiti, Kenya, Tanzania, Sudan and Burundi.

Over 40% of Uganda's rural population lacks access to clean drinking water systems, which all too often breakdown within just a few years of installation owing to lack of maintenance. As a result, villagers are forced to walk inordinate distances to collect water and some 22,000 Ugandan children die each year from water borne diseases. 250,000+ individuals have benefitted from Lifeline's ClearWater Initiative in Uganda.

**Our Mission**  
promote catalytic  
change across the  
developing world  
through clean water and  
cooking interventions  
that profoundly improve  
quality of life



“And though  
she be but  
little, she is  
fierce”  
- *Shakespeare*

The Power of  
Community  
Engagement

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Lifeline partners with communities to develop the tools they need to sustain their clean water and energy resources. In so doing, Lifeline helps communities maximize the accountability of their efforts and take responsibility for their collective health and livelihood.

## Providing clean water wells and clean cooking solutions since 2006

Viewer must be connected to the internet in order to play video.



# Community Partnership

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*In a gentle way, you can shake the world.*

*- Mahatma Gandhi*

# Founder's Message

During this past year, Lifeline made major strides in its efforts to uplift the lives of those suffering from abject poverty. As in the past, these efforts have involved our ClearWater Initiative, which to date has brought safe drinking water to over 50,000 Ugandan families, and our clean cooking program, which has provided over 265,000 families in East Africa and Haiti with access to fuel efficient stoves. The combined impact of these interventions has been to save women and girls millions of hours that would otherwise have been spent collecting wood and water, to substantially reduce the amount of money that families spend on charcoal, and to profoundly improve health by reducing their exposure to toxic smoke and water-borne diseases.

Much of our efforts during these past 12 months have been devoted to building the capacity of local entrepreneurs and community partners to maximize the sustainability of these initiatives over time. For instance, in Haiti we assisted our local partner in (1) piloting an innovative distribution model, which is increasing both stove sales and disposable income through a co-operative credit financing system, and (2) upgrading and modernizing its stove products to improve their durability and performance. In Burundi, we have been working with local community organizations to build their own production capacity, offering the promise of access to affordable cookstoves to tens of thousands of Burundese families. In Uganda, we have been operating a preventative maintenance system for rural water points that will ultimately be turned over to local entrepreneurs for long-term ownership and growth. In addition to these efforts, we have expanded our stove operations in Uganda to assist South Sudanese refugees by easing the dire wood shortages they face and thereby improving both their security and livelihoods.

None of this progress would be possible without the tireless efforts of our incredible staff and the generous contributions of our wonderful donors. We cannot thank you enough for your support.

# 2

Sincerely,



Daniel Wolf  
Founder

### Cookstove Beneficiaries

1.44 million+ individuals across East Africa (Uganda, Kenya, Tanzania, and Sudan) and Haiti have benefitted from fuel saving charcoal and firewood stoves

130,000 students and teachers in East Africa and Haiti have benefitted from fuel saving institutional stoves

### Livelihood

42 million+ woman-hours saved in reduced time spent collecting wood and cooking

10% increase in disposable income for 73,000 Ugandan families as a result of reduced charcoal costs

20% increase in disposable income for 53,000 Haitian families as a result of reduced charcoal costs

### Environment

680,000 tons of CO2 conserved in East Africa and Haiti

Over 3.4 million trees saved

### Health

870,000 women and children benefitted in the form of reduced cough, eye irritation and headaches as a result of decreased exposure to toxic smoke

# Sustainable Cookstoves 3 Impact Since 2006



235,000+ individuals have gained household access to clean drinking water

29,000+ students and patients have gained institutional access to clean drinking water

13,000+ rural households and 25,000+ students have been sensitized on improved hygiene practices

9.2 million woman-hours saved annually in reduced time spent collecting water

# Sustainable Water Impact Since 2006

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### ClearWater Initiatives

- 20,000 villagers gained full access to clean water
- 4,000 students gained access to clean water at school
- 2,000 rural families sensitized in improved hygiene and sanitation practices

### Clean Cookstove Program

- 118,000+ Ugandan villagers benefitted from fuel-saving wood stoves
- 350+ institutional stoves constructed in schools in Uganda and Burundi with Lifeline support
- 61,000 Haitian urban and peri-urban dwellers benefitted from fuel saving charcoal stoves
- 40,000+ South Sudanese refugees in Uganda benefitted from fuel-saving wood stove

### Livelihood Impact

- 20+ million combined woman-hours saved in reduced time spent collecting wood/water and cooking
- 10% increase in disposable income for 3,600 Ugandan families as a result of reduced charcoal costs
- 20% increase in disposable income for 12,200 Haitian families as a result of reduced charcoal costs

### Environmental Impact

155,000+  
tons of CO2 saved

780,000  
trees saved

FY2017  
Results

### South Sudanese Refugee Crisis

As a result of ongoing armed conflict and food scarcity in South Sudan, Uganda has resettled over 1 million refugees in the last year. To support this vulnerable community, Lifeline supplied 8,000 fuel saving wood stoves for distribution to refugees in Yumbe District. Lifeline also partnered with UNHCR and InterAid Uganda to distribute its fuel-saving wood stoves to 250 persons of special need – including single mothers, the elderly, and the disabled – in the Kiryandongo refugee settlement.

### WFP Partnership in Burundi

Lifeline expanded on its partnership with the U.N. World Food Program to introduce fuel-saving institutional stoves in 350 primary and secondary schools in Burundi and successfully nurtured a private market to sell fuel-saving wood stoves to 25,000 households.

### Borehole Preventative Maintenance Pilot

Lifeline launched a pilot program of its operations and maintenance business model in 12 communities across Apac District, Uganda in order to improve the functionality of local water points. In the first quarter, this resulted in boreholes properly delivering water for over 99% of their operating time.

### Babington Clean Heat Partnership

Lifeline entered into a partnership with Babington Technologies, Inc. to introduce a potentially game-changing heating/cooking appliance to the developing world. The Babington FlexFire burner produces nearly zero emissions, runs on any combination of liquid fuels, and burns at a near-perfect rate of combustion.

## New & Expanding Initiatives

# UGANDA



27,000+  
cookstoves  
sold in FY 2017

Employing human and community centered design strategies, Lifeline has prioritized the user experiences of fuel collection and cooking in the development of its fuel-efficient cookstoves. This approach has resulted in adoption rates in excess of 90% and greater consumer interest in Lifeline's cookstove technologies. Over the past year, more than 136,000 Ugandans have benefitted from fuel savings and reduced exposure to toxic smoke. At the same time, their usage of these stoves has helped preserving the environment and limit CO2 emissions.

# Uganda

## Clean Cookstoves

Over the past year, Lifeline improved access to clean water for over 24,000 Ugandans by constructing and repairing 38 water wells and springs.

To ensure that these water points remain functional for years to come, Lifeline has designed a preventative maintenance system that minimizes the risk of breakdowns before they occur. By training local mechanics, establishing transparent community bank accounts, and engaging the district government to enforce community by-laws, Lifeline seeks to improve pump functionality and lower the costs of maintaining rural water infrastructures.

# Uganda

## Sustainable ClearWater Initiative

38 water points  
completed  
24,000+ villagers and  
students gained improved  
access to clean drinking  
water in FY 2017



# Haiti

## Lifeline & D&E Green Enterprises Partnership

In July 2014, Lifeline integrated its stove operations in Haiti with a local social enterprise— D&E Green Enterprises – in an effort to help D&E achieve profitability and provide sustainable access to fuel-saving stoves throughout Haiti. These stoves reduce charcoal consumption by about 40%, saving Haitian families up to \$220 each year and allowing them to recoup up to 20% of their household income otherwise spent on fuel costs. In the past year, over 61,000 Haitians have benefitted from Lifeline and D&E’s fuel efficient cookstoves. Lifeline has spearheaded the R&D efforts behind these stoves, helped D&E grow its production capacity, and supported D&E’s efforts to establish a new consumer finance model that makes green technologies accessible to low-income families through a community co-operative approach.

12,200+  
cookstoves  
sold in FY 2017

Haiti  
Sustainable Cookstoves



# Burundi



Building on its partnership with the U.N. World Food Program (WFP), Lifeline has continued to spearhead the Safe Access to Fuel and Energy (SAFE) initiative in Burundi by providing advisory support and oversight for the construction of 350 fuel-efficient institutional stoves at primary and secondary schools across the Cibitoke and Gitega provinces. In addition, Lifeline and a group of WFP partners – including Concern Worldwide, Action Batwa, Avedec, and Burundi Quality Stoves – are supporting the growth of a private market for fuel-saving household firewood stoves throughout rural communities in Burundi. By supervising the production process, advising on quality control measures, and training local producers on how to read temperatures and fire ceramic stoves in kilns, this initiative has supported the sale of 25,000 household stoves in the last year.

125,000 villagers  
benefitted from  
access to fuel efficient  
household stoves

157,000 students/teachers  
benefitted from installation of  
350 new fuel-saving  
cookstoves in schools

# Burundi

## Sustainable Cookstoves

With over a decade of experience in the implementation of stove projects, Lifeline has become a leading agency in the sector with expertise in R&D, technical design, marketing and distribution, and user training. Lifeline is proud to provide advisory support to major institutions – including UNWFP, USAID, UNDP, and UNHCR – with technical advice on designing cookstove projects, country strategies for energy programs, and market assessments in refugee settings and developing markets.

# ADVISORY SUPPORT



STATEMENTS OF FINANCIAL EXPENSES

<u>SERVICES</u>	<u>PROGRAM</u>	<u>MGMT</u>	<u>FUNDRAISING</u>	<u>TOTAL EXPENSES</u>
Salaries / benefits	\$384,261	\$105,591	\$68,715	\$558,567
Business operations	\$154,554	\$1,754	\$20,290	\$176,598
Facilities / equipment	\$251,883	\$3,581	\$2,845	\$258,309
Insurance	\$27,042	\$33,643	\$191	\$60,876
Professional fees	\$436,814	\$8,137	\$4,562	\$449,513
Technology	\$11,118	\$1,206	\$2,394	\$14,718
Telephone / communications	\$8,879	\$1,922	\$93	\$10,894
Travel	\$68,152	\$28	\$494	\$68,674
<b>TOTAL</b>	<b>\$1,342,703</b>	<b>\$155,862</b>	<b>\$99,584</b>	<b>\$1,598,149</b>

STATEMENTS OF FINANCIAL POSITION

<u>ASSETS</u>	<u>FY2017</u>	<u>FY2016</u>
Cash and cash equivalents	\$72,747	\$128,211
Grants receivable	\$260,329	\$519,702
Travel advances and other receivables	\$109,758	\$208,748
Inventory	\$17,382	\$5,539
Prepaid expenses	\$4,243	\$6,338
Furniture and equipment	\$209,304	\$228,885
Other assets	\$8,800	\$8,800
<b>TOTAL ASSETS</b>	<b>\$682,563</b>	<b>\$1,106,043</b>
<u>LIABILITIES AND NET ASSETS</u>	<u>FY2017</u>	<u>FY2016</u>
Current liabilities	\$5,444	\$30,570
Net assets	\$677,119	\$1,075,473
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$682,563</b>	<b>\$1,106,043</b>

Program Expenses

**79% UGANDA**  
**16% HAITI**  
**4% BURUNDI**



# PARTNERS

Babington Technologies, Inc.  
Burn Design Lab  
Carbon Roots International  
Conrad N. Hilton Foundation  
D&E Green Enterprises  
Dulles Glass  
ENVenture  
Generosity.org  
GIZ  
Global Alliance for Clean Cookstoves  
Global Giving  
InterAction  
InStove  
Oregon State University  
Project GAIA  
SAFE Humanitarian Working Group  
Thrive Networks (Blue Planet Network)  
Uganda Carbon Bureau  
University of Notre Dame  
UN World Food Program  
UN High Commissioner for Refugees  
UpEnergy  
Water to Thrive  
World Bank  
wPower Hub

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Partnership makes  
a global difference

# TEAM

## DC HQ

Daniel Wolf	Chief Executive Officer
Vahid Jahangiri	Deputy Director
Deborah Terry	Creative Director
Heidi Myers	Director of Finance
Sabrina Brown	Human Resources/Office Manager
Alison Filler	Program Officer
Richard Myers	Information Systems Engineer

## UGANDA

Timket Biresaw	Country Director
Emmanuel Ojara	Senior WASH Program Manager
Felix Oneka	Senior WASH M&E Officer
Patrick Ojok`	Senior Hygiene & Sanitation Officer
Paska Sizella	Hygiene & Sanitation Officer
Stefan Riethling	Environment Program Manger
Kyobe Umar Ahmad	Head of Operations - Stoves
Rebecca Apicha	Environment Program Officer
William Mwesigwa	Finance Officer
Ben Ochan	Logistics Manager
Babra Bridget Akello	Office Manager
Igor Markov	Senior WASH Technical Advisor
Justin Otai	Senior WASH Program Advisor
Kaye Sulpya	Senior Environmental Consultant

## HAITI

Jimmy Bruce	Operations Manager
Allan Shelton	Senior Production Consultant



# BOARD

- Daniel Wolf Founder
- Deborah Terry VP & Secretary
- Jay Schulkin Research Professor  
University of Washington
- Mark Lampert Founder and President of  
Biotechnology Value Fund
- Alexander Kunin Vice President of Business  
Operations DEXISIVE, Inc.
- Amb. Harriet Isom Former U.S. Ambassador  
(Cameroon, Benin, and Laos)
- Dr. F. Ronald Denham Former Chair of the Water & Sanitation  
Rotarian Action Group (WASRAG)
- John P. Brown Chief Operating Officer at Kernel
- Brett D. Freedman Counsel, U.S. Senate
- Romanus Berg Former Chief Operating Officer at Ashoka





[lifelinefund.org](http://lifelinefund.org)

THANK YOU!

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