



2011

Annual Report

OUR VISION is a world where people have the opportunity to succeed because their basic water and sanitation needs have been met.

OUR MISSION is to provide technical training and consulting, and to act as a centre of expertise in water and sanitation for the poor in developing countries.

HIGHLIGHTS	2011	2010	2009	DETAILS
People impacted by CAWST clients	4,577,000	3,585,000	3,070,000	Cumulative people with access to better water or sanitation as a result of clients' projects
Implementing organizations	256	227	195	Organizations implementing water or sanitation projects
Client countries	69	66	58	Geographic reach of past and current clients
People trained using CAWST training & education materials	326,000	127,000	52,000	Cumulative people trained by CAWST clients using CAWST-developed training and education materials
Water Expertise and Training (WET) Centre partners	4	4	4	Organizations participating in CAWST's WET Centre development program
Annual expenditure	\$2,685,000 (forecast to year-end 2011)	\$2,250,000	\$1,980,000	Total funds expended by CAWST, including transfers to WET Centres
CAWST expenditure per person impacted by clients	\$2.47	\$2.61	\$2.31	Cumulative CAWST expenditure divided by the total number of people impacted by CAWST clients



ON THE COVER: We live in a world where half of humanity lives without clean water or basic sanitation. CAWST exists to motivate others to take independent action to meet these basic needs.

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LETTER FROM THE CHAIR OF THE BOARD

2010/11 HAS BEEN A PIVOTAL YEAR FOR CAWST IN MANY WAYS.

First, CAWST's founder and CEO, Camille Dow-Baker, announced her intentions to step down as CEO, marking the end of an era and the beginning of a new chapter in CAWST's story. Camille declared her interest in retiring over a year ago, allowing the Board time for a thorough executive search and plenty of transition time for the new CEO. We are pleased that Shauna Curry, who has been with CAWST many years, has accepted the CEO position, effective October 1, 2011. Our board is one hundred percent behind Shauna and committed to supporting her in whatever way needed to ensure her personal success as well as the continued success of CAWST. In this short letter I don't have the words to commend Camille for all she has done on behalf of the poor around the world. The entire board has very deep respect for her and she will continue to be a valuable member of our Board.

In the past year, CAWST also developed a bold plan to expand its WET Centre strategy by increasing the number of WET Centres from 3 to 11. This will mean a much larger budget and a large increase in staff. To this end the Board has been actively providing oversight and guidance regarding funding, budgets, expenditures and reserves policy with an eye to ensuring the financial stability and health of the organization. The Board worked to put more formal and rigorous practices in place governing board activities such as reporting attendance and an annual Board performance review. The Human Resources (HR) committee worked with management to finalize the HR practices and policies needed to support attraction, retention, and development of a motivated and capable workforce.

We aim to continuously improve the governance and oversight of CAWST to ensure our donors' gifts are spent effectively and efficiently in working towards our goal of reaching 20 million people with clean water by 2020.



GRETA RAYMOND

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REACHING
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LETTER FROM THE PRESIDENT & CEO

Dear All,

This is my farewell as CAWST CEO.

I would like to use this space to thank those who have worked with me over the last ten years to enable CAWST to impact 4.6 million people worldwide. Without them, CAWST's work would not have been possible.

To CAWST's staff, especially the CAWST Directors over the years – Ron Lentz, Shauna Curry, Derek Baker, Alison Pidskalny, Steve Kaczmer and Laura Schuelert – what can I say? Your passion for the cause, the compassion and kindness that you showed for our clients and beneficiaries, your professional competence and your willingness to work hard and persevere even though the road was often challenging and the path ahead not always clear, all made my job very easy. It has been a pleasure to work with you.

To CAWST's board members past and present, especially the Board Chairs, Barry Stewart, Dan Boivin, Chris Read and Greta Raymond, you are exemplary leaders. You have asked the hard questions, but always with respect and Canadian politeness. You have rallied behind the organization's management team through thick and thin, and have been our biggest champions in the community.

To all CAWST's volunteers, donors and members, I thank you. Several of you are friends, family, and acquaintances of Derek and myself. You showed no hesitation in helping get CAWST off the ground.

To Canadians, especially Calgarians, as a collective, you have been the pillars supporting this initiative. The Government of Canada through CIDA has been our principal investor over the last few years. Calgary youth have provided us with enthusiastic cheerleading. Numerous Calgarians have supported us with their hard work, advice, advocacy on our behalf, and money. Several Calgary corporations have provided our financial foundations. Also, the City of Calgary has partnered with us to educate Calgarians about water issues.

I hope that you will all support Shauna Curry as CAWST's new CEO in the way that you have supported me. Shauna is a strong leader who goes above and beyond to provide the services requested by CAWST's clients. She is truly capable of leading CAWST through its next phase of development.

Thank you for the privilege of serving as CAWST's CEO over the last ten years.

Sincerely,

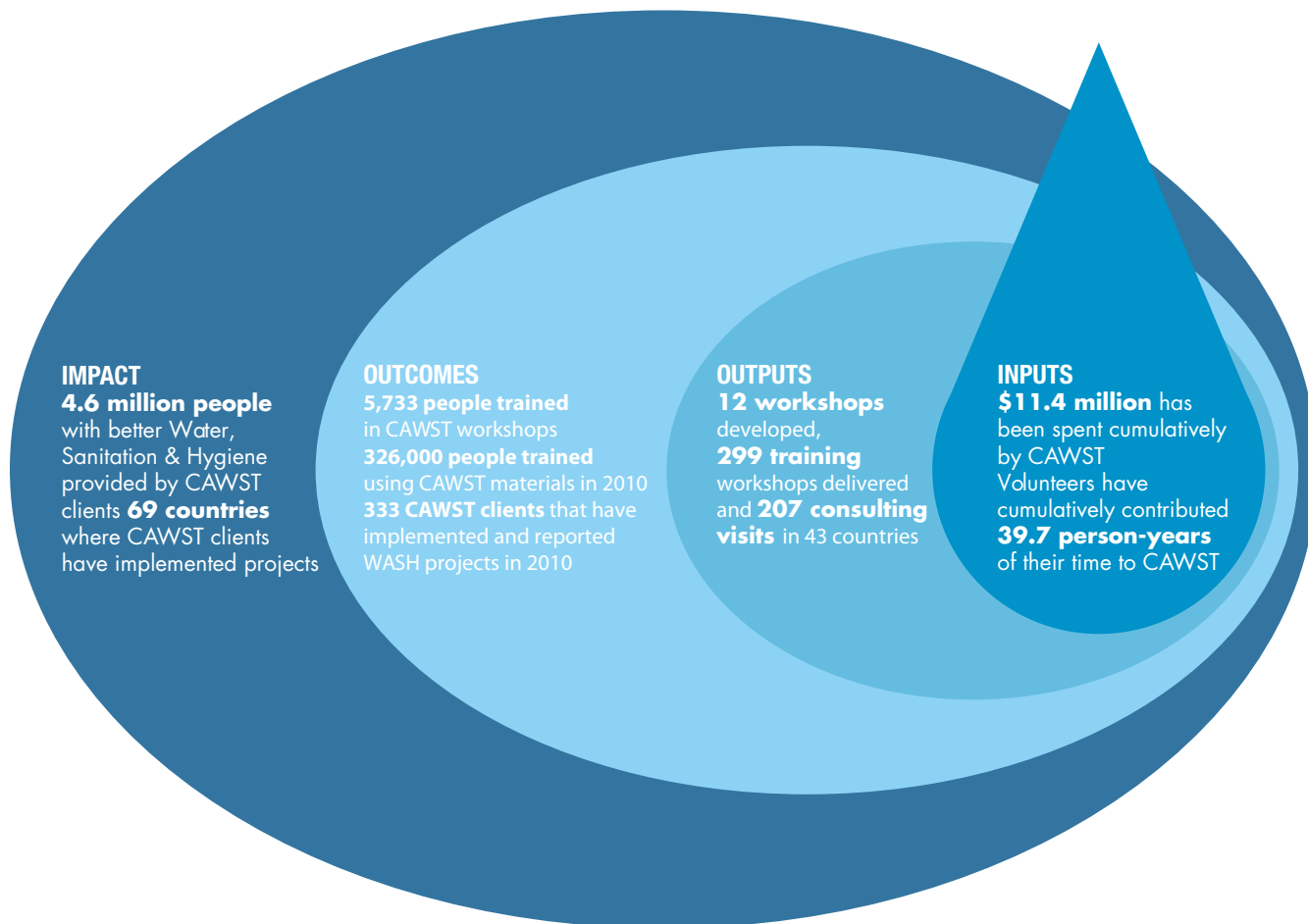


CAMILLE DOW BAKER

TO ALL CAWST'S
VOLUNTEERS,
DONORS AND
MEMBERS, I THANK
YOU. SEVERAL OF
YOU ARE FRIENDS,
FAMILY, AND
ACQUAINTANCES OF
DEREK AND MYSELF.
YOU SHOWED
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IN HELPING GET
CAWST OFF THE
GROUND.

THE CAWST MODEL

WE ARE TEN



1. THE CAWST MODEL

CAWST is celebrating its tenth birthday in 2011. In those ten years, CAWST has helped 4.6 million people in 69 countries get better water and sanitation. We've reached these beneficiaries through a network of more than 4,500 government and non-government organizations. Our client base is diverse: developing-country governments, including the Ministry of Rural Development in Cambodia and the Ministry of Health in Lao PDR, UNICEF, the World Health Organization, and more than 300 implementing local and international NGOs. Within the last year alone, over 300,000 people were trained using CAWST's training materials.

In short, CAWST has convincingly demonstrated its ability to catalyze community action in developing countries to initiate and operate water and sanitation programs for the poor.

20 MILLION BY 2020

Over the last ten years, CAWST has proven that its unique business concept works well. We have proven that we can execute this concept efficiently and effectively.

Over the next ten years, we plan to increase our leverage on several fronts. We plan to increase our budget in 2012 to \$4.4MM from its 2011 level of \$2.7MM—a 40% increase. Much of this increase is directed to the expansion of our Water Expertise and Training Centre development program from 3 WET Centres to 11 WET Centres within the next year.

Our target is to help 20 million people get better water and sanitation by 2020.

HOW CAWST WORKS



LOCAL FILTER TECHNICIAN IN PERU, TRAINED BY CAWST.

A. SUPPORTING INDEPENDENT IMPLEMENTATION OF SMALL-SCALE PROGRAMS

Much of the focus in international development water and sanitation projects has been on large-scale water and sanitation infrastructure and on water policy and administration (See Figure 2). However, there are many simple solutions that even those in extreme poverty can use to improve their own WASH right away. For example, simply allowing water to settle overnight and separating the sediment can reduce the number of disease-causing agents in water by more than 50%. People often just need some basic information, encouragement and support to make lifesaving improvements in their WASH practices.

THE CAWST RESPONSE

CAWST provides services to support independent implementation of small-scale WASH programs. We target these services to NGOs and government agencies that serve the poor, and we provide training to policymakers and funders for the primary purpose of helping them to support implementation. Furthermore, in all of its training sessions, CAWST focuses on simple, affordable technologies that are within the means of poor communities to implement, operate and maintain.

We help organizations initiate and scale up their implementation programs through training and follow up support. We ensure that individuals have the skills and knowledge required for specific implementation roles, such as filter technicians and community health promoters, and that they are competent to carry out these roles. CAWST has also developed an implementation framework to guide others on successful implementation (Figure 1). Most importantly, CAWST measures its success by how many people have received better water and sanitation as a result of CAWST's training. This measure of success ensures that all CAWST services are geared towards catalyzing the implementation of effective, sustainable WASH programs.

CAWST HAS ACHIEVED ITS RESULTS BY IDENTIFYING AND ADDRESSING SPECIFIC SERVICE GAPS IN THE WATER AND SANITATION SECTOR AND IN THE FIELD OF INTERNATIONAL DEVELOPMENT. IN ALL ACTIVITIES, CAWST:

- A. Provides services that support independent implementation of small-scale programs.
- B. Focuses on building people's capacity to meet their own needs.
- C. Highlights the link between water, sanitation, hygiene (WASH) and health.
- D. Addresses all three WASH components (water, sanitation and hygiene) as aspects of one single issue.
- E. Helps clients secure funding for their programs.

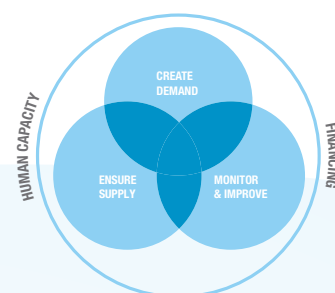
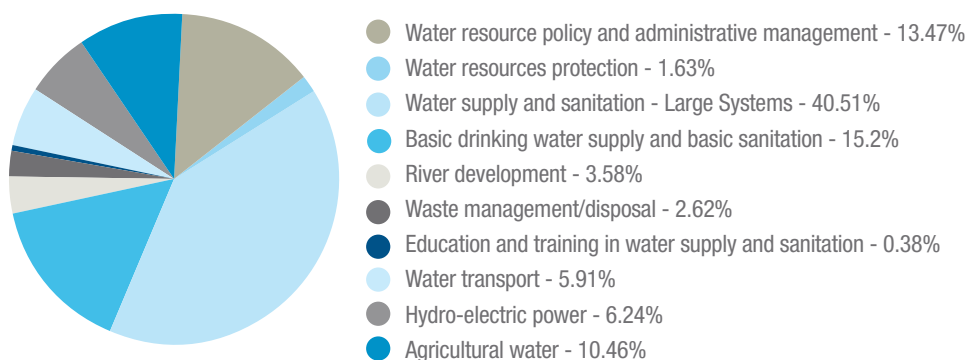


FIGURE 1: Five components of Successful implementation. (Presented at the 35TH Water Engineering in Development Centre (WEDC) Conference, Loughborough, UK, 2011.)

B. BUILDING PEOPLE'S CAPACITY TO MEET THEIR OWN NEEDS

The best hope in an ever-changing environment is to develop the local human skills and knowledge for people to manage their own water and sanitation. Water issues vary strikingly from community to community, depending on a range of factors including climate, type of water source (surface water, groundwater or rainwater), and proximity and reliability of these water sources. Water quality and availability also vary markedly from season to season in a single community. These issues are all exacerbated by the greater variability in weather that is resulting from climate change. Because of this variability, CAWST believes that building local capacity by empowering and educating local people is a far more effective approach than simply relying on large-scale, blanket solutions. Unfortunately, less than 1% of the international development water sector funding is being spent on education and capacity building (see Figure 2).



TOTAL AID TO WATER AND SANITATION
\$55,748.00 (in \$US millions)

FIGURE 2: Sub-sector breakdown of total (2004 to 2009) aid to water and sanitation commitments. (in \$US millions and %)
Source: CRS statistics/OECD - www.oecd.org/dac/stats/idsonline

THE CAWST RESPONSE

CAWST engages and supports organizations that implement WASH projects using a model that incorporates awareness raising as well as longer-term coaching and consulting to help implementers initiate, scale up and continually improve their programs.



FIGURE 3: Model for Creating Demand and Motivating Action

We provide educators with free, open-content tools and resources to use and adapt for their own training needs. We also teach them how to train, and how to develop their own training materials.



FIGURE 4: CAWST's Knowledge Transfer Model

CAWST also establishes local institutions, Water Expertise and Training (WET) Centres, within existing organizations to provide training and consulting services similar to CAWST. We continually shares new learning with others by disseminating field results and academic research to WASH practitioners and by hosting Learning Exchanges for implementers and trainers.



BOY COLLECTING WATER IN OPEN POND (ETHIOPIA)



CHILD COLLECTING DRINKING WATER FROM AN OPEN SPRING (CAMEROON)

C. THE LINK BETWEEN WATER, SANITATION, HYGIENE (WASH) AND HEALTH

Clean water is, quite simply, essential to life. The critical connection between human health and WASH has been known for 150 years, though the benefits of this knowledge have been very unevenly distributed. In the United States, the introduction of water treatment accounted for almost half of the reduction in mortality in the first third of the 20th century (Human Development Report, 2006), while today, lack of access to WASH in developing countries kills more people each year than AIDS, malaria and tuberculosis combined. Diarrhea alone kills 2.6 million people every year. Improved WASH in the least developed countries could prevent 28% of child deaths worldwide each year (WHO, 2008).

In spite of the statistical evidence demonstrating that improved WASH will result in improved public health, the link is not being sufficiently emphasised, even at the highest levels of the United Nations.

The UN Millennium Development Goals (MDGs), admirably, commit to reducing by half the number of people without access to basic water and sanitation by 2015, but this target is listed under the goal of “ensuring environmental sustainability,” rather than “eradicating extreme poverty and hunger,” “reducing child mortality rates,” or any of the other MDGs on which improved WASH has a direct bearing (see Figure 5).

This is unfortunate.

THE CAWST RESPONSE

CAWST emphasizes the link between WASH and health in every CAWST training workshop. We also develop training programs targeted to community health workers in poor communities, so that these health workers can constantly reinforce the WASH-health linkage in the communities they serve. We target organizations that serve populations particularly vulnerable to poor water and sanitation, such as poor children, people with HIV/AIDS, and the elderly. Moreover, we consistently remind governmental agencies and those assessing WASH impacts that long-term health monitoring is important in determining water and sanitation needs and WASH program effectiveness.

MILLENNIUM DEVELOPMENT GOALS (MDGs)

GOAL 1 Eradicate extreme poverty and hunger

GOAL 2 Achieve universal primary education

GOAL 3 Promote gender equality and empower women

GOAL 4 Reduce child mortality rates

GOAL 5 Improve maternal health

GOAL 6 Combat HIV/AIDS, malaria, and other diseases

GOAL 7 Ensure environmental sustainability

Target 7C: Halve, by 2015, the proportion of the population without sustainable access to safe drinking water and basic sanitation

- Proportion of population with sustainable access to an improved water source, urban and rural

- Proportion of urban population with access to improved sanitation

GOAL 8 Develop a global partnership for development

FIGURE 5: United Nations Millennium Development Goals, 2000



DURING A CAWST WORKSHOP IN KENYA, A STUDENT TEACHES PEERS ABOUT THE LINK BETWEEN SANITATION, CONTAMINATED WATER, AND HEALTH.

WASH DEVELOPMENT STARTS IN THE HOME, WITH HOUSEHOLD SOLUTIONS THAT PEOPLE CAN IMPLEMENT AND MANAGE ON THEIR OWN. TYPICAL RURAL HOUSEHOLD IN CAMEROON.

D. THE IMPORTANCE OF APPROACHING WATER, SANITATION AND HYGIENE AS ASPECTS OF ONE SINGLE ISSUE

Impoverished households need solutions that address all three WASH components, water, sanitation and hygiene, to achieve lasting improvements in health and wellbeing. However, the crucial link between these three components is not often made. The UN, for instance, measures access to safe water separately from access to sanitation (see Figure 5). Consequently, international development work over the past twenty years has focused on increasing access to water without corresponding plans to provide basic sanitation to the same people. As a result, 80% of the wastewater in developing countries is being returned to the rivers and streams untreated (World Water Development Report, 2010).

THE CAWST RESPONSE

CAWST asks the question, “Where is the best entry point for improving water, sanitation and Hygiene (WASH)?” The answer we have arrived at is that WASH development starts in the home, with household solutions that people can implement and manage on their own. In all areas of WASH, CAWST focuses on household solutions, with household water treatment (HWT) as a particularly important entry point because it addresses the widespread demand for clean water while providing immediate protection against diarrheal disease. HWT also provides the opportunity to initiate discussions connecting water and health, which motivates people to seek better sanitation and hygiene. In all CAWST’s training programs, regardless of topic, we emphasize a multi-barrier approach to disease prevention that encompasses water source protection, water treatment, sanitation and hygiene.

E. HELPING CLIENTS FIND FUNDING FOR THEIR PROGRAMS

One of the biggest barriers for the small-scale WASH implementers who currently comprise the majority of CAWST's client base is access to funding (\$5,000 to \$100,000) supplied over an extended period of time. This enables them to initiate pilot projects, expand the scale and scope of their projects as they learn what works best, build the skills and knowledge they require, and monitor existing programs in order to make appropriate alterations.

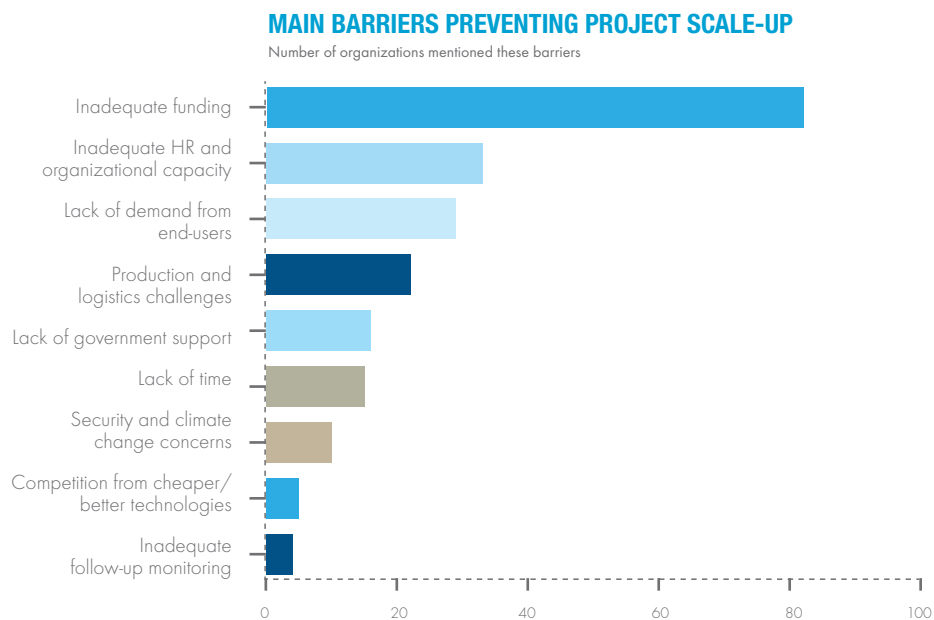


FIGURE 6: CAWST Client Survey 2011

THE CAWST RESPONSE

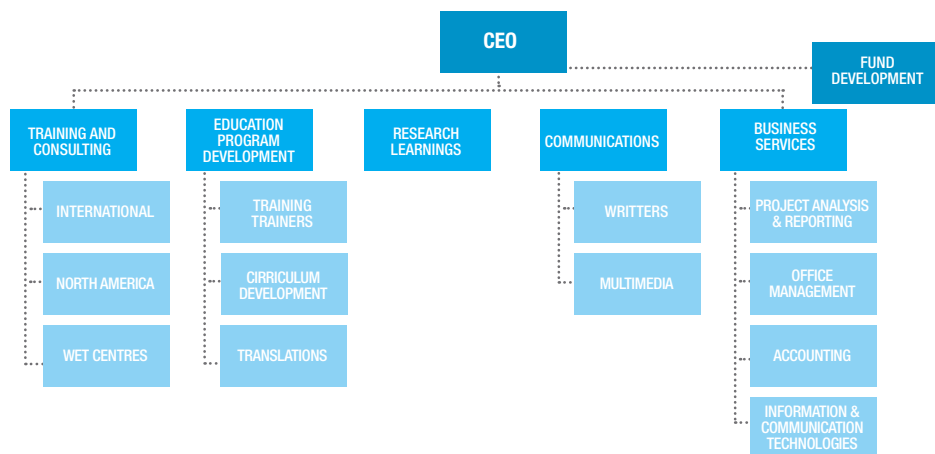
CAWST actively identifies possible funding sources for our clients. We also often accompany them in approaching funders to provide support and add credibility to their proposals. We coach them on how to access funds and on funder stewardship, and we often educate funders as well on the key components for implementation and criteria for evaluating proposals.

IN SUMMARY

CAWST's entire focus is to mobilize independent action. We continually look for ways to reduce the need for our services, while concurrently increasing our overall impact in terms of the number of people with better water and sanitation. This requires continuous experimentation with new ideas, analysis of outcomes and ongoing dissemination of developments in the field for incorporation into day-to-day activities.

ORGANIZATIONAL STRUCTURE

CAWST's organizational structure is designed to foster a culture of learning. we are divided into five main departments.



TRAINING AND CONSULTING

Is the front-line of CAWST's service delivery in the field.

EDUCATION PROGRAM DEVELOPMENT

Develops the training programs and materials, and builds trainer skills.

RESEARCH LEARNING

Is the synthesizer of learning from the field and the interpreter between academia and practitioners.

COMMUNICATIONS

Disseminates CAWST's messages, materials and knowledge.

BUSINESS SERVICES

Provides the systems support to the rest of the organization and reports to our external stakeholders.

FUND DEVELOPMENT

Everyone holds responsibility for fund development, with the Manager of Fund Development, stewarding the fund development process.

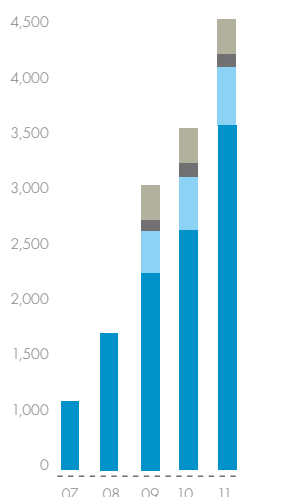
AWARDS AND HONOURS

2010-2011

The Donner Canadian Foundation named CAWST one of the
20 BEST-MANAGED NGOS IN CANADA
(September 2010)

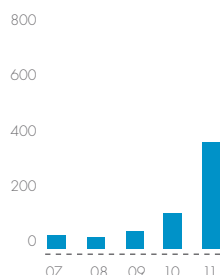
The Calgary Chamber of Voluntary Organization (CCVO) awarded CAWST the
CALGARY INNOVATION AWARD
(June 2011)

KEY PERFORMANCE INDICATORS



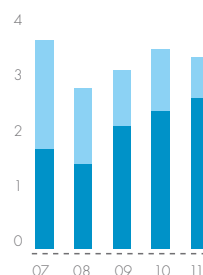
NUMBER OF PEOPLE IMPACTED BY CAWST'S CLIENTS

Number of People Impacted (000's)



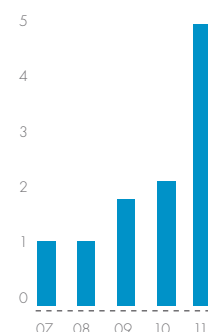
NUMBER OF PEOPLE REACHED USING CAWST'S EDUCATION MATERIALS

Number of People (000's)



NUMBER OF ACTIVE CLIENTS

Number of Active and Implementing Clients (00's)



COMMUNITY-BASED ORGANIZATIONS WORKING WITH CLIENTS

Number of Organizations (000's)

CAWST's seven Key Performance Indicators are designed to measure CAWST's results relative to CAWST's strategies. The trends along with 2011 results show that CAWST's strategies are working well.

Key Performance Indicators are tracked annually through a survey and several sources of internal data, including audited financial statements. The 2011 survey was distributed to more than 1,000 organizations worldwide. CAWST received responses from 147 client organizations working in 69 countries.

1. NUMBER OF PEOPLE IMPACTED BY CAWST'S CLIENTS

Since 2001, CAWST's clients have provided better water or sanitation to a total of 4.6 million people. This represents an increase of 1.0 million people over the past year.

The large increase in the number of people reached in the past year is largely attributable to the expansion of ongoing household water treatment programs by CAWST clients, as well as the increasing number of clients implementing projects. The biosand filter continues to be the most implemented HWT technology among CAWST's clients, impacting a cumulative total of 2.1 million people as of June 2011.

2. NUMBER OF PEOPLE REACHED USING CAWST'S EDUCATION MATERIALS

Ninety-nine organizations reported using CAWST's materials to train over 326,000 people in the past year, including extensive educational programs in Cameroon and Haiti. The number of people trained in 2011 represents a

In 2011, CAWST added two new Key Performance Indicators:

- Number of People Reached using CAWST Education Materials; and
- CAWST's Expenditure per person impacted by CAWST clients.

The first new indicator is an additional measure of the reach of our training programs and the second replaces our previous indicator of efficiency "Cost per person trained" to reflect the fact that our services extend well beyond direct training.

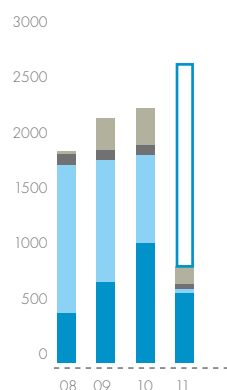
150% increase over 2010 results of 127,000 people, demonstrating both the effectiveness of and the demand for CAWST's materials. Even given this increase, based on our observations in the field, CAWST believes that this number is grossly under reported.

3. NUMBER OF ACTIVE CLIENTS

CAWST's active client base decreased by 7% over the past year from 357 to 333. However, there was a 13% increase in the number of clients implementing projects. This was due to CAWST's increased emphasis in servicing clients with the highest implementation potential.

4. COMMUNITY-BASED ORGANIZATIONS WORKING WITH CLIENTS

Many of CAWST's clients work with local, community-based organizations to implement WASH programs at the community level. As of June 2011, survey respondents reported working with 4,900 community-based organizations over the past year, a 116% increase over the 2010 results.



REVENUE

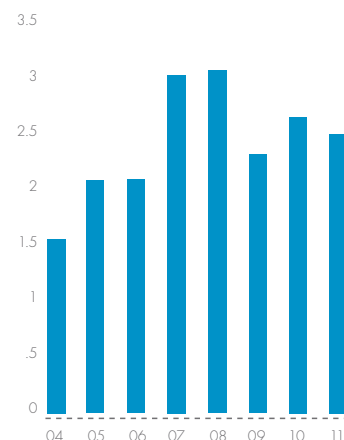
Financial Revenue (000's)

- Designated Revenue
- Undesignated Revenue
- Earned Revenue
- WET Centre Flow Through
- Forecast to Year-end 2011



FINANCIAL RESERVE

(Months)



COST PER PERSON IMPACTED

\$/ per person

5. REVENUE

Total revenue increased 5% between 2009 and 2010 to \$2.3M, resulting in a \$46,000 operating surplus for 2010. Almost 60% of the funding was received as designated revenue for specific programs, double what was received as designated revenue in 2009. This reflects the increasing maturity of the CAWST organization as we are better able to define specific programs to attract institutional donors. CAWST's funding flow-through to the Water and Expertise Training (WET) Centres remained constant at 13% of revenue.

6. FINANCIAL RESERVE

Financial reserves are calculated as the month-end cash balance divided by forecasted monthly expenditures. CAWST's financial reserve was above the minimum target of four months for the majority of the period June 2010 to June 2011, peaking at 6 months. The reserve dropped however to 3 months in the third quarter of 2010 due to the seasonal nature of revenues, but climbed to 5.9 months in the fourth quarter of 2010 per the usual pattern of CAWST's revenue from donations.

7. COST PER PERSON IMPACTED

This new indicator is calculated as the cumulative CAWST expenditure divided by the cumulative number of people impacted by CAWST clients since 2001.

The ratio increased originally, in 2004, because we captured total impact from all activities previous to the formation of CAWST, but did not know and did not include the associated expenditures in the calculation. It decreased in 2009 as we started to count results from rainwater harvesting and sanitation in addition to HWT, and increased in 2010 as more staff has been added for education program development. It will likely increase until the WET Centre results begin to come in significantly.

As of June 2011, CAWST spent \$2.40 per person to impact the cumulative 4.6 million people reached by CAWST's clients. This figure includes the cost of CAWST's education and capacity building services and excludes the money spent by CAWST clients on direct project implementation.

STORIES FROM THE NETWORK

REALIZING A VISION



CAMILLE AT CAWST'S ANNUAL STRATEGY SESSION

When asked how many hours Camille Dow Baker, co-founder and outgoing CEO of CAWST, has volunteered over the last ten years, she laughed and said, “Well, that’s ten years of full-time work and then some, because a CEO’s job never stops!”

If one were to add up the time in its entirety, the calculation might look as follows: An average of 40 hours/week x 49 weeks (assuming she took her 3 weeks holidays) x 10 years = 19,600 hours or 1,176,000 minutes of volunteerism. It’s a truly remarkable contribution.

After leaving a 20-year career in the oil and gas industry, going back to school to complete a Masters in Environmental Design, and writing a thesis on the humanitarian distribution of the Biosand Filter, Camille founded CAWST in 2001.

She had no grandmaster plan, just a vision of a world where no one lacked access to clean water, and a drive to catalyze widespread action to see that vision through. She has led CAWST through ten years of growth and will officially step aside as CEO in the fall of 2011. She plans to remain involved as a volunteer, working in the Research Learning department and supporting the 2011-2012 fundraising campaign.

Camille says she has enjoyed the developmental side of the business the most: coming up with a new concept or business model and then watching others grasp it, run with it, improve it and make it their own.

She admits this has been a gradual process and not without its challenges, as CAWST’s model is different than most NGOs. However, with creativity and perseverance, amazing results have been achieved.

“Camille has stuck to her vision,” said longtime staff member Ron Lentz, reflecting on Camille’s legacy. “Everything, for her, comes back to reaching as many people as possible with sustainable access to clean water and sanitation. That’s what has made CAWST successful, and we all thank her immensely for that.”

TRAINING TRAINERS TO TRAIN TRAINERS IN KENYA



MELINDA FORAN, INTERNATIONAL TECHNICAL ADVISOR FOR CAWST, DELIVERS A LOW COST SANITATION WORKSHOP, HOSTED BY NURU

Nuru International is a small Kenyan-registered NGO with an innovative approach to empowering farmers in Kuria, Kenya. They are working to end extreme poverty by mobilizing and training local leaders.

Nicole Scott, Nuru's Water and Sanitation Program Manager, first contacted CAWST International Technical Advisor Melinda Foran in November 2008 to inquire about education materials for their water, hygiene and sanitation projects. They met a year and a half later when Melinda travelled to Kenya for some face-to-face client support in May 2010.

While Melinda was in Kenya, she delivered a "Community Health Promotion for Trainers" workshop to 20 people from 12 different organizations working in WASH, including Nuru.

"I was amazed by the participants' enthusiasm for putting the new information into action," she reports. "And when I heard about the impact that Nuru trainers were having in their communities after the workshop, I got even more excited."

Nuru's approach involves identifying, training and mentoring local leaders to carry out projects addressing five key areas of development, including water and sanitation. Nuru also integrates revenue generation into all project areas, with an eye to long-term sustainability, local independence and economic development.

Nuru invited CAWST to return to Kenya this year to deliver an introductory workshop on low-cost sanitation. Since then, Nuru has been working hard to convert CAWST's materials for its own uses. "Thankfully," Nuru's Nicole Scott reported, "CAWST left us with excellent lesson plans and a construction manual that we were able to simplify and translate."

"What Melinda taught us," she added, "is forming the backbone of our latrine building efforts here in Kurialand."

A GOOD NEWS STORY FROM AFGHANISTAN



HEIDI FULLER, CAWST EDUCATION PROGRAM DEVELOPER, WORKING WITH DACAAR WET CENTRE STAFF TO DELIVER A LOW COST SANITATION WORKSHOP

After decades of war, the people of Afghanistan endure some of the worst health, human security and development conditions in the world, while the headlines bring an unending stream of bad news. Under the radar, however, organizations like DACAAR are quietly working to improve the situation in the country. Theirs is a small but spreading good news story, which offers hope for the future.

DACAAR, the Danish Committee for Aid to Afghan Refugees, is a non-governmental humanitarian organization that supports sustainable development in Afghanistan. With over 800 staff members, most of them locals, DACAAR is a leading agency in Afghanistan's water, sanitation and hygiene sector. Its work has benefited around 7 million people spanning 27 of the country's 34 provinces.

DACAAR recently teamed up with CAWST to establish a Water, Expertise and Training Centre (WET Centre) in Afghanistan. In early 2010, DACAAR invited CAWST to help them develop a work plan, budget and proposal for the WET Centre.

"The DACAAR staff were clearly eager to begin developing capacity and supporting implementation throughout the country," said Derek Baker, who travelled to Afghanistan with Pete Thomson on CAWST's behalf. "Everyone embraced the plan to form a CAWST/DACAAR partnership to develop a WET Centre in Afghanistan."

Since its establishment on July 1, 2010, the DACAAR WET Centre has trained 350 government and NGO employees in water, sanitation and hygiene, and has conducted more than 3,500 water analyses for DACAAR, other NGOs and the private sector.

Azeem Barat, DACAAR WET Centre's manager, says he's proud of the WET Centre's achievements, which have "led to provision of safe drinking water, sanitation and hygiene to communities throughout Afghanistan."

"DACAAR WET Centre filled the gap," Azeem reflects. "I think there is a need in every developing country for the establishment of a WET Centre."

SIMPLE, LIFE-SAVING SOLUTIONS TO AGE-OLD PROBLEMS



PARTICIPANTS LEARNING ABOUT HOUSEHOLD WATER TREATMENT AT A CAWST TRAINING WITH FUNDACION SODIS IN COCHABAMBA, BOLIVIA

Solar disinfection (SODIS) involves filling clear, plastic bottles with drinking water and leaving them out in the sun for several hours—a simple household practice that has shown to kill up to 99.9% of all pathogens. When they're widely adopted, simple water treatment practices like solar disinfection, household filtration and chlorination can lead to dramatic and lasting improvements in public health.

The challenge with these simple but effective procedures is: How do you promote widespread adoption to ensure the health benefits reach those who need them most?

This is where Fundación SODIS for Latin America comes in. Fundación SODIS was formed in 2001 in Cochabamba, Bolivia, to promote SODIS to families lacking access to clean water. They have found that teaching solar disinfection in schools is an effective way to promote widespread adoption at the household level.

Fundación SODIS grew rapidly in the first few years, starting with small pilot projects in Bolivia and then extending its operations first to Ecuador and Peru and then to Honduras, Nicaragua, Guatemala and El Salvador. By 2007, Fundación SODIS-supported projects across Latin America were reaching half a million people per year, on average, with improved access to safe water.

CAWST is currently partnering with SODIS and a second organization, CASA (Centro de Aguas y Saneamiento Ambiental), to establish a Water Expertise and Training (WET) Centre in Bolivia to support organizations providing vulnerable populations with sustainable access to water and sanitation.

"Fundación SODIS has been instrumental in raising awareness of Household Water Treatment throughout Latin America," says CAWST International Technical Advisor Paul Earwaker.

CHANGING THE WORLD... AS A RETIREMENT PROJECT



INGRID MCCARROLL IN LUCKNOW, INDIA



ROD AND INGRID TRAINED 135 PEOPLE SUCH AS THIS FILTER TECHNICIAN IN KERALA, INDIA ON HOW TO BUILD BIOSAND FILTERS

Canadians Rod and Ingrid McCarroll are indeed “Friends Who Care” about reaching out to people without access to clean water. Through their charity, Friends Who Care, they have dedicated much of the past ten years of their “semi-retirement” to working with individuals and organizations in Guatemala, Mexico, India, Sudan and Nicaragua.

In 2002, they read a small article in the Calgary Herald Neighbours newspaper profiling CAWST and its efforts to disseminate the bio-sand water filter. Recognizing the massive potential of using the filter around the world, they enrolled in one of CAWST’s early workshops in September 2002 and then headed to Guatemala to get a first-hand look at a project. In the years that followed, they have attended some refresher workshops and helped CAWST in many ways.

They have taken several “vacations on purpose,” as they call it, to Mexico, establishing five bio-sand filter projects and training several individuals and organizations along the way. They team up with impoverished families and communities, teaching people how to install and maintain bio-sand filters and promoting basic sanitation and hygiene.

In 2007 and 2009, they also travelled to India to train 135 biosand filter implementers. So far, this training has resulted in 8,500 filters being produced through 32 different manufacturing sites. Installations include thousands of households in over 1,000 villages, as well as 950 schools, community centres, medical clinics and prisons.

Rod and Ingrid encourage input and participation of the local people while living and working with the participants until they completely understand the project and are able to take full ownership.

“CAWST has always been available to provide assistance, advice and technical help,” Ingrid said. “We rely on CAWST’s training materials, innovations and advice wherever we are. Their willingness to partner with us has been amazing.”

By dedicating their semi-retirement to being “Friends Who Care,” Rod and Ingrid have seen their work bear fruit in communities around the world, facilitated by the generosity of other Canadians like themselves. They are, Rod said, “truly thankful for the opportunity to give back for the many blessings we have in this country.”

TEARFUND IMPROVES WASH ACCESS IN 40 COUNTRIES



TRAINING WORKSHOP WITH TEARFUND IN KENYA

By partnering with local entrepreneurs, international NGO Tearfund has achieved widespread dissemination of the bio-sand filter across the Global South. “Altogether, some 13,000 households now have a bio-sand filter through Tearfund’s program [in Afghanistan]” reports Frank Greaves, Tearfund’s International Water and Sanitation (WASH) adviser. “More than half of these have been bought by the household.”

Tearfund has worked in WASH projects since the early 1970s. Today, Tearfund’s WASH program has become one of the most popular amongst its partners worldwide, and the most common single program type amongst its own Disaster Management Teams (DMT), which work in emergency and fragile state contexts.

Frank’s job is to raise awareness of WASH best practices in 40 countries, a task for which CAWST’s expertise has proven invaluable.

“CAWST has shared much learning with us on [Household] Water Treatment and Storage, both formally through co-hosting a workshop for Tearfund and through on-going learning and sharing of programmatic and technical learning, particularly with respect to the bio-sand filter,” Frank says.

CAWST International Technical Advisor Melinda Foran speaks in glowing terms of Tearfund’s efforts. “I’m inspired by Tearfund’s reach and access to very vulnerable communities worldwide. They work in post-conflict and development settings, all the while challenging the creation of dependency and aiming for sustainability,” she said.

Tearfund’s innovative approach to WASH implementation has proven extremely popular. The organization has developed a demand-led approach with a strong focus on building livelihoods. Local producers are trained to make bio-sand filters, while Tearfund develops and delivers a comprehensive social marketing campaign to raise awareness in the community. Filters are sold at a price that includes materials as well as a modest profit for the producer. This approach has led to a high willingness to pay and quick uptake by many households, as well as a network of producers working hard to disseminate the bio-sand filter to households in need.

RON LENTZ: CAWST'S FIRST OFFICIAL PAID EMPLOYEE BIDS FAREWELL



RON LENTZ WITH HIS WIFE IN BRITISH COLUMBIA, CANADA

HIS LEADERSHIP,
CARING NATURE
AND ABILITY TO
“NOT SWEAT THE
SMALL STUFF”
WILL BE CARRIED
FORWARD WITHIN
THE ORGANIZATION
BY THE MANY
STAFF MEMBERS
HE’S MENTORED
AND INSPIRED.

The steady, patient, even-tempered, compassionate “Godfather” of CAWST, Ron Lentz, has announced his retirement after nine years of employment with the organization.

A trained engineer, Ron started out working in the oil and gas industry in 1976. He has been with CAWST since 2002, when he was recruited to become the Director of Technology, CAWST’s first official paid employee. Over the last nine years, Ron’s roles have varied, from Director of Technology to Director of Education Program Development. Most recently, Ron has made his mark overseeing the development and spread of CAWST’s WET Centre Program.

Ron’s contribution to CAWST has been extensive. According to outgoing CEO Camille Dow Baker, Ron “helped us figure out where we should start, broke

the problem down into manageable pieces and worked towards salutations.. One of his first projects was to initiate the preparation of our community health promotion posters which are now used worldwide to teach millions of people.” Ron’s personal touch is apparent in most of CAWST’s training materials, the bio-sand filter technology itself and woven through many of long-standing relationships with workshop participants he’s taught over the years.

Ron’s last day will be November 15, 2011. It is with deep appreciation that CAWST prepares to bid him farewell and wishes him a ski-filled retirement with his family and dogs in Fernie. His leadership, caring nature and ability to “not sweat the small stuff” will be carried forward within the organization by the many staff members he’s mentored and inspired.

“THE BEST NON-PAYING JOB I HAVE EVER HAD”



SHEILA DUKE, CAWST VOLUNTEER IN SAVANNAKHET, LAOS

When asked about some of her most memorable experiences volunteering with CAWST, international volunteer Sheila Duke told the story of a woman she met in Laos whose plight, for her, illustrates the impact CAWST’s work can have on people living in extreme poverty.

“After an overnight stay on the floor of a local NGO in Laos,” Sheila said, “we traveled to a remote and very poor village for a site visit. While there, we examined a bio-sand filter in a hut where a single mother and her many children lived.”

“She was so thankful for the filter,” Sheila said, “because she had saved enough money not having to buy medicine for their diarrhea that she was able to clothe them.”

These are the sorts of stories that motivate Sheila in her work as a volunteer assistant trainer with CAWST. Since 2006, she has assisted with the delivery of training workshops and conducted site visits in Viet Nam, Laos, Indonesia, Sri Lanka, Kenya, and elsewhere.

“I love to be able to travel, not as a tourist, but in a more meaningful way, as someone who may be making a difference,” Sheila said.

Sheila and her husband, Dr. Bill Duke, who live in Massachusetts, USA, first attended a bio-sand filter workshop in 2004. Bill had become involved with CAWST in a research capacity, testing the effectiveness of different types of sand in the bio-sand filter, as well as the use and performance of the bio-sand filter in Haiti. Sheila was approached about volunteering, and quickly began playing an integral role in the preparation, documentation and delivery of a variety of training workshops.

Sheila described how inspiring it is to watch as “workshop participants realize that not only have they learned something new but that they are capable of actually doing a project, building filters, making people’s lives healthier. Their confidence increases as their questions and discussions gain more depth and complexity.”

CAWST International Technical Advisor Melinda Foran spoke enthusiastically of Sheila’s contribution to CAWST’s work: “Sheila’s institutional memory and experiences with household water treatment projects,” she added, “are a valuable way to share experiences across regions, technical advisers, and clients. Her involvement helps CAWST to be more effective and reach more clients.”

For Sheila, the feeling is mutual: “This has been the best non-paying job that I have ever had.”

SOCIAL INVESTING FOR THE LONG-TERM



MIKE QUINN, LOCAL BUSINESSMAN AND CAWST BOARD MEMBER

Local businessman Mike Quinn has been a committed donor and board member of CAWST since 2008. His insights on charitable giving and social investing have proven invaluable to CAWST's work.

Quinn supports CAWST because he has seen first-hand the difference that CAWST is making in helping people who are really in need. He donates to CAWST because he feels that people living overseas, who are without a secure social safety net, need help meeting their most basic needs. Although he gives to local causes too, he feels that "people living without access to water do seem a lot worse off than us."

As an investment professional, Mike looks at an organization's financial statements when deciding where to donate. He looks for reassurance that as much money as possible is going to the people he is trying to help. In the case of CAWST, he can see clearly that they are "impacting a lot of people." Furthermore, over time, Mike has also gotten to know the CAWST staff and their level of commitment to their work, which has encouraged him "to be more generous, when you see how dedicated they are to making a difference."

Mike continues to invest in CAWST and its future because he believes in the organization's unique organizational model – particularly its WET Centre program. He is hopeful that CAWST can help more people access clean water through the spread of the WET Centre concept.

Mike is committed to international development, and sees water and sanitation as a key point of effective intervention: once you solve the water problem, he points out, other problems such as health issues seem to dwindle.

When asked what social investing in CAWST meant to him, he replied, "social investing is investing in people so that the world we leave behind is better than it was when we came into it." With Mike's support, CAWST is seeking to do just that.

INTRODUCING NEW CAWST CEO SHAUNA CURRY



SHAUNA CURRY, INCOMING CEO (RIGHT)
WITH CAMILLE DOW BAKER, FOUNDER AND OUTGOING CEO (LEFT)

On October 1, 2011, the Board and CAWST staff will warmly welcome Shauna Curry into her new role as CEO. Shauna has a comprehensive history with CAWST; she began her employment with the organization in March 2004. She was CAWST's second International Technical Advisor and in 2005, Shauna was promoted to Director, International Services, a position she has held since that time.

CAWST's remarkable results to date, 4.6 million people impacted in 69 countries globally, are a direct result of Shauna's initiative and drive. She has developed an insightful understanding of CAWST's client needs, how they progress and their route to independence. Consequently, she has been very successful in establishing priorities for client services and in maintaining strong client relationships. Over the last seven years, she has also recruited an extraordinary International Technical Advisor team, all of whom are passionate and knowledgeable about providing water and sanitation to the poor.

Shauna is a true leader and is not afraid to step out on a limb to do what is necessary; but she also seeks out and readily accepts the leadership of others.

Her approach to development work is sustainable and inter-disciplinary, while she seeks to understand the human-environment interface. Shauna values collaboration and participation, involving open discussion and joint decision making. She is a dedicated mentor to her staff and her greatest joy is to "see them shine." CAWST's clients often refer to us at CAWST as part of their "family" thanks to Shauna's compassionate nature.

Shauna is a woman of very high integrity and courage. Moreover, she is a humanitarian and peace maker, always seeking to help the poorest and most vulnerable. CAWST is extremely fortunate to have Shauna's vision, sincerity and spark lead the organization towards another ten years of continued growth and success. "I am delighted to be able to pass the reins to someone as warm and capable as Shauna", says outgoing CEO, Camille Dow Baker.

CLIENTS

CAWST defines its active clients as organizations or individuals that, in the past 12 months, have:

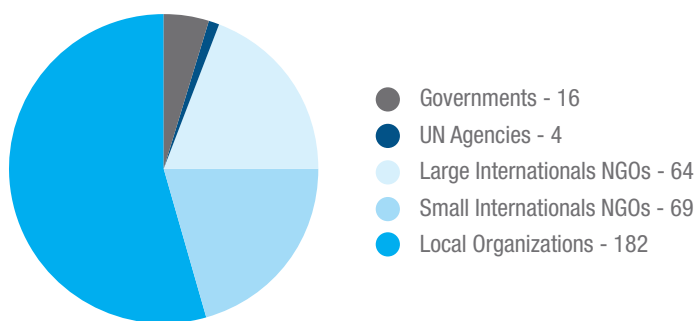
- Planned or implemented a project as a result of CAWST's training;
- Requested technical support and advice from CAWST for project implementation; or,
- Used CAWST's training materials to train others.

CLIENT SEGMENTS

In 2010, CAWST's clients were comprised of the following segments:

CAWST CLIENT SURVEY 2011

Client Survey



CAWST plans to continue to support all client segments because:

LOCAL ORGANIZATIONS need us the most and are key in long-term sustained impact. Our primary means of reaching and supporting these organizations is via our WET Centre partners.

SMALL INTERNATIONAL ORGANIZATIONS are generally the fastest to start up projects, and are the most communicative with CAWST.

LARGE INTERNATIONAL ORGANIZATIONS such as Oxfam and Red Cross have the potential for broad reach and the ability to scale-up quickly, both within a country and across many countries.

INTERNATIONAL AGENCIES such as WHO, UNICEF, UNDP, and UN Habitat have influence on government strategies and the potential for broad reach across many countries.

DEVELOPING COUNTRY GOVERNMENTAL ORGANIZATIONS have the mandate to provide water and sanitation services to the population and the best potential for sustained reach within a specific country.

NORTH AMERICA YOUTH EDUCATORS & COMMUNITY GROUPS can create awareness and educate on global WASH issues world-wide and motivate action

ROTARY

An Example of a Local Community Organization Client and Partner

CAWST's relationship with Rotary began in 2003, and now the Rotary-CAWST network includes 37 Rotary and partners organizations across 19 countries in Asia, Africa, Latin America & Caribbean and North America.

SUMMARY OF RESULTS

614,700

people have better drinking water and sanitation

3

Water Expertise and Training (WET) Centres have been established in Zambia, Haiti and Nepal with the financial support of Rotary Club of Calgary, and will be expanding to 11 countries

16

Water Quality Testing workshops have been done with the field lab kits donated by Rotary Club of Calgary, along with 2 evaluations/monitoring, and a lab set up in Zambia

125

Rotarians have been trained from developing countries, Canada and USA

2010 ACTIVITIES

2010 represented a maturing of CAWST's services, as demonstrated by the evolution of both the CAWST Water Expertise and Training (WET) Centre Program which constitutes 30% of the CAWST budget, and the Youth Wavemakers Program which constitutes 13% of the budget.

Given our success in directly motivating and supporting small implementers of WASH programs, the WET Centre program focused on developing the ability of local WET Centre staff to train and to develop their own education programs so that they can support these implementers.

Similarly, the Youth Wavemakers program evolved from direct outreach by CAWST to our development of educator tools and resources so that Canadian educators can engage youth in the global water 'cause.'

THE TRAINING AND CONSULTING DEPARTMENT

- Provided the following services to clients through visits to 16 countries globally

2010 Training and Consulting Services	Service Delivered By		
	CAWST	CAWST & WET Centres	WET Centres Independent of CAWST
Household Water Treatment Seminars	3	2	0
Household Water Treatment Workshop	6	0	0
Biosand Filter Project Implementation Workshop	13	6	8
Project Planning Workshop	2	0	1
Community Health Promotion Workshop	4	6	12
Biosand Filter Technician Workshop	1	6	10
Household Rainwater Harvesting Workshop	0	1	0
Low Cost Sanitation Workshop	2	2	0
Water Quality Testing Workshop	0	2	0
Monitoring and Evaluation Workshop	2	1	2
Project Evaluation	0	2	3
Facilitation Skills Workshop	1	3	0
Learning Exchanges	2	2	1
Consulting Support Visits	28	14	12
Total	64	47	49

In addition to the activities listed in the above table, the **WET Centre** staff:

- Built institutional and staff capacity at SHIP, Zambia, PAIDEH, Haiti and ENPHO, Nepal to establish independent WET Centres which can provide services similar to CAWST
- Added DACAAR, Afghanistan to the WET Centre program
- Developed agreements and beginning work with potential WET Centres in Honduras, Cambodia and Laos
- Explored relationships with organizations in Ethiopia, Cameroon, Bolivia and Peru to establish WET Centres

"WE FIND THE TEACHING MATERIALS EXCELLENT, AND USE THESE OFTEN DURING HOME VISITS AND COMMUNITY MEETINGS. CAWST HAS BEEN EXTREMELY HELPFUL AND RESPONSIVE IN ASSISTING US WITH WATER FILTER DESIGN AND RESEARCH ISSUES AND WE VERY MUCH APPRECIATE THEIR HELP"

SANDY HART,
ASOCIACION DESEA, PERU



CAWST'S EDUCATIONAL MATERIAL WAS USED TO CREATE THE OFFICIAL CHOLERA PREVENTION POSTER (ABOVE) SEEN BY MILLIONS IN HAITI, AND USED BY ALL MAJOR HUMANITARIAN ORGANIZATIONS IN THE COUNTRY.



ANNUAL YOUTH SUMMIT WITH 15 YOUTH TEAMS IN CALGARY

Youth Wavemakers Program staff:

- Delivered 65 presentations to schools and youth groups reaching 4,900 people directly
- Supported 15 youth teams to undertake water action projects
- Participated in 9 teacher conventions and national education conferences
- Developed a new workshop for elementary and junior high school audiences

THE EDUCATION PROGRAM DEVELOPMENT DEPARTMENT:

- Developed and piloted training materials for the World Health Organization (WHO) on household water treatment and safe storage (HWTS) to support governments in the development of their national strategies. The training materials are expected to be published by the WHO by the end of 2011
- Updated CAWST's training materials for 3 workshops, including a new workshop on Effective Facilitation Skills for Trainers
- Translated over 270 education and training materials into Spanish and French
- Strengthened the training skills of CAWST client staff in Uganda
- Piloted a competency validation process for CAWST and WET Centre trainers
- Developed the learning agendas for CAWST's bi-annual Learning Exchanges for staff professional development

WAVEMAKERS PROGRAM PERFORMANCE INDICATORS FOR THE 2010-11 SCHOOL YEAR

PRODUCTIVITY:

37

youth groups and educators
accessed the program

RETENTION:

54%

of them have participated in the
program for more than 1 year

UPTAKE:

60%

of them took action as
a result of the program

IMPACT:

14,697

people were reached as a result of
CAWST's and our client activities



326,000 PEOPLE
HAVE BEEN REACHED
WORLDWIDE USING
CAWST EDUCATION
MATERIALS

THE RESEARCH LEARNING DEPARTMENT:

- Reviewed over 100 scientific papers and participated in 5 technical conferences in water and sanitation
- Gathered lessons learned by implementing organizations worldwide, and compiled and shared these findings with staff and clients in 12 Learning Exchanges
- Sent two technical bulletins, summarizing latest research findings, to over a thousand organizations
- Collaborated with the University of Cambridge, Massachusetts Institute of Technology, University of Calgary, Lehigh University, and the University of Illinois, to conduct research to enhance the technical ability of the biosand filter to remove virus and arsenic, and to assess and improve the impact of CAWST's services
- Developed a version beta of a sand sorter, and initiated trials with clients in Zambia and India. The sand sorter is expected to dramatically speed-up the process of sand sieving and cleaning, alleviating a major bottleneck in biosand filter production

THE COMMUNICATIONS DEPARTMENT:

- Provided 9 presentations to 8 community groups in Calgary to raise awareness on global water and sanitation issues
- Showcased 8 photo-documentary displays on water and sanitation in public areas including public libraries, government and corporate buildings
- Attracted 71 new volunteers and motivated over 80 existing volunteers in supporting CAWST and our cause

THE BUSINESS SERVICES DEPARTMENT:

- Established a Financial Reserve policy
- Improved the budget forecasting model through the introduction of risk adjustments
- Upgraded CAWST's main information technology infrastructure and website
- Introduced two new information management systems to help manage client, donor, and volunteer data and digital assets (photos and videos)

OUR FUND DEVELOPMENT EFFORTS:

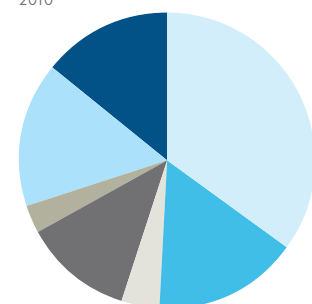
- Submitted a total of \$4.4MM in 22 concept notes and proposals
- Increased its focus on identifying funding sources for clients, and sharing it with our clients directly and via CAWST's website
- Hosted an Influencers Night Dinner in September 2010 with high-net worth individuals

"THE LOW-COST LATRINE TRAINING LESSON PLANS HAVE BEEN ESPECIALLY HELPFUL TO US IN RECENT MONTHS AS WE'VE BEEN TRAINING OUR FIELD OFFICERS WHO HAVE LITTLE EDUCATION AND DO NOT SPEAK ENGLISH. THE LESSON PLANS HAVE BEEN A GREAT FOUNDATION FOR US TO BUILD FROM . THEY ARE CLEAR, SIMPLE FOR OUR MANAGERS TO FOLLOW AND EASY TO ADAPT TO SUIT OUR NEEDS"

NICOLE SCOTT,
NUMA INTERNATIONAL, KENYA

PERCENTAGE OF CAWST EXPENDITURES

2010



- Training and Consulting - 35%
- Education Program Development - 16%
- Research Learning - 4%
- Communications - 12%
- Fund Development - 3%
- Business Services - 16%
- WET Centres (flow-through) - 14%

2011 PLANS

2011 is a big year for CAWST. In addition to turning ten, we have a CEO transition and are embarking on a step-change in our annual budget, human resourcing, and programming. In short, 2011 represents the start of the second phase of development for CAWST, the scale up and expansion of our global impact.

CAWST PLANS TO:

- Keep focussed on our current strategies - they're working!
- Expand our revenue base through our first public fundraising campaign
- Execute a smooth transition between our Founding CEO and our Incoming CEO

All departments will continue delivering on their ongoing activities, with the following specific targets and plans.

THE TRAINING AND CONSULTING DEPARTMENT WILL:

- Mentor and coach 4 existing WET Centres (Haiti, Zambia, Nepal, Afghanistan) and expand the program to 11 WET Centres
- Identify 2 new WET Centre partners by the end of the year
- Deliver 81 workshops with clients and Water Expertise and Training (WET) Centre partners
- Deliver 64 client support visits
- Increase our work with international NGOs
- Engage new audiences to reach the most vulnerable, such as implementers targeting maternal & child health as well as people living with HIV/AIDS
- Improve follow-up with workshop participants and people who are accessing our materials online
- Research and develop mechanisms to profile client projects online
- Launch a Youth Wavemakers website
- Market the Wavemakers program to educator networks and use online and social media tools

THE EDUCATION PROGRAM DEVELOPMENT DEPARTMENT WILL:

- Begin to develop new Eco-sanitation and Sanitation Implementation training materials
- Continue to develop training materials for 2 workshops, including monitoring tools and an illustrated biosand filter manual for less literate individuals
- Build the skills and knowledge of CAWST and WET Centre trainers to effectively deliver workshops
- Increase WET Centres' capacity to develop their own education and training materials
- Upon request, develop customized training materials for use by WET Centres and clients
- Develop new educator resources for Canadian junior high school educators

THE RESEARCH LEARNING DEPARTMENT WILL:

In addition to the continuing, gathering, synthesising and sharing of new, pertinent knowledge with staff and clients.

- Establish an electronic research library on water, sanitation and hygiene, and populate the library with at least 50 technical papers relevant to CAWST and its clients
- Support research at at least 5 universities focused on enhancing the contaminant removal ability of the biosand filter, and assessing the program scale-up patterns of CAWST's clients
- Conduct field trials of the CAWST sand sorter in Zambia and India
- Continue improving the methodologies to analyze CAWST organizational performance

THE COMMUNICATIONS DEPARTMENT WILL:

- Engage 25 new community groups in Calgary and participate in 10 community events
- Recruit 110 new volunteers
- Develop a volunteer base of 100 active volunteers
- Engage 10,000 people in Calgary and beyond through social media

THE BUSINESS SERVICES DEPARTMENT WILL:

- Document organizational policies and procedures
- Expand the CAWST office
- Develop a knowledge database to improve access to all of CAWST's research and academic material
- Import all CAWST's photos and videos to ResourceSpace (a digital media library)
- Create reporting capabilities to Infobase, CAWST's data management library

OUR FUND DEVELOPMENT EFFORTS WILL:

- Raise \$2.6MM via the following funding sources:
 - o Individuals (30%)
 - o Government (34%)
 - o Corporations (27%)
 - o Earned Revenue (5%)
 - o Community Organizations and Foundations (4%)
- Generate a minimum of \$4MM grant funding requests for CAWST
- Develop the resources & skills across CAWST to obtain revenue from institutions
- Conduct CAWST's first public campaign in Calgary in fall 2011 to raise money and expand CAWST's funder base

PEOPLE

MEMBERS

CAWST members act as the CAWST equivalent to shareholders of a publicly traded corporation. They have the right to elect CAWST's board of directors. Membership is free to anyone who supports the vision and mission of CAWST. Over the past year, CAWST's membership increased from 1900 to 2,090 members, a 10% increase. Members come from every continent on the globe.

BOARD

CAWST's Board of Directors consists primarily of professionals who have spent many years in the corporate sector.

Greta Raymond, Chair	Mike Quinn
Camille Dow Baker, CEO	Chris Read
David Boone	Bill Redmond
Fred Claridge	Roger Smith
Evan Hazell	Laura Tupper
Katherine van Kooy	Valerie Yankee-Wayne
Jonathan Moser	Ora Zabloski

Over the past year, the Board has worked diligently to complete or modify several of the board governance documents, which will guide the organization through its second stage of development.

During 2010, board members achieved an average of 72% attendance at CAWST's 6 full length annual board meetings, its staff-board annual strategy session, Annual General Meeting and its World Water Day celebration.

CAWST would like to thank retiring board members Mike Quinn, Laura Tupper, and Katherine van Kooy for their significant contributions to CAWST.

As the former president of a financial investment company, Mike Quinn shared with CAWST his extensive financial experience during the 4 years he has been on the CAWST board. We will miss Mike's gentle and insightful feedback.

Laura was on the board for 5 years and has been CAWST's only board member residing outside of Calgary, in Ottawa. As a senior communications professional and former Deputy Minister of the Environment for the Government of Canada, Laura shared with CAWST her knowledge and experience in developing government relationships. We will miss Laura's enthusiastic cheerleading from afar.

Katherine's responsibilities as CEO of the Calgary Centre for Voluntary Organizations (CCVO) unfortunately meant that she was unable to serve on our board for very long. However, CAWST is delighted that she has decided to remain a community member of CAWST's Governance Committee.

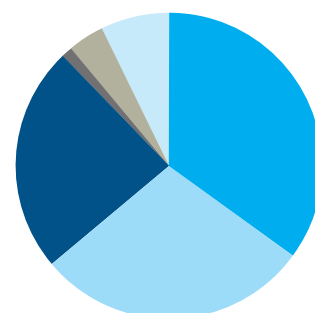
DONORS

To those who give and those who fundraise on CAWST's behalf, CAWST would like to say a heartfelt thank you to everyone who supports our cause. To the Canadian individuals who have provided the bulk of our funding, thank you for your generosity. To the Calgary corporations, especially Talisman Energy, Suncor Energy, Encana, RBC and Nexen, we hope that we have earned your confidence in us. To, CIDA, the international development branch of the Government of Canada, thank you for your belief in our WET Centre concept. To Calgary community groups including the Rotary Club, schools and churches, you provide the community inspiration needed for us to continue every day. Without all your generosity, CAWST would be unable to meet its mission or work towards its vision.

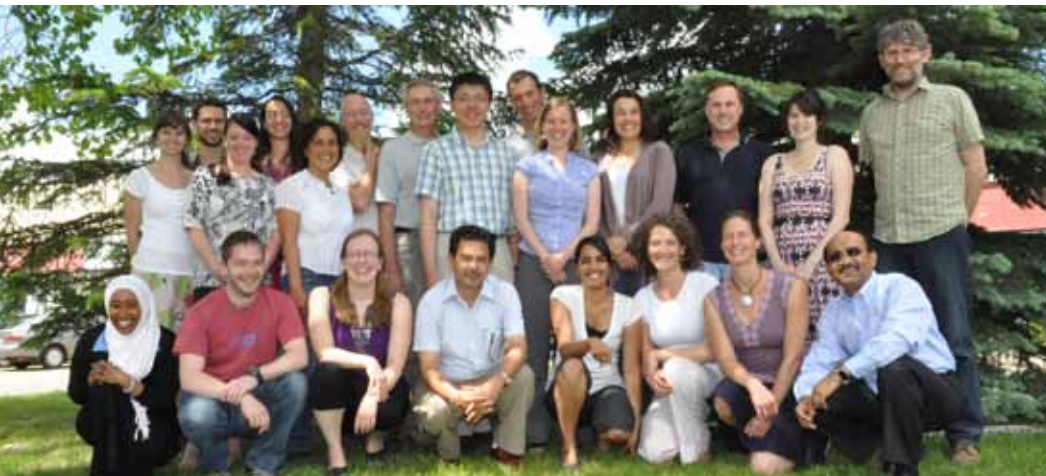
CAWST MAJOR GOVERNANCE DOCUMENTS DEVELOPED OR AMENDED DURING 2010-2011

Bylaws
Board Manual
Professional Practices
Management Plan
Human Resources
Policies and Procedures
Finance, Audit and
Risk Policy and Procedures
Financial Reserves Policy

2010 DONORS



- Individuals - 35%
- Corporations - 29%
- Government - 24%
- Foundations - 1%
- Community Groups - 4%
- Earned Revenue - 7%



**“THANK YOU FOR THE GREAT
SUPPORT. EVERY TIME I’VE
WRITTEN IN ASKING FOR
HELP, THE STAFF HAS BEEN
EXTREMELY HELPFUL.”**

GARTH FRIESEN,
YAYASAN SILIH ASIH, INDONESIA.

STAFF

CAWST now has 20 full-time staff members, all of whom are extremely committed to our cause. In 2010, staff donated 1,235 volunteer hours or the equivalent of 0.6 of a full-time person. All members of the staff have postsecondary education: 55% have graduate degrees and 65% have specific education in engineering, education, or international development. Plus, they have global experience; 95 % have worked in 48 countries; 45% were born outside Canada.

VOLUNTEERS

CAWST is also deeply appreciative of its many active volunteers. In 2010, over 9,250 hours, or the equivalent of 4.4 full-time employees, were donated by over 100 people. Our volunteers have conducted activities ranging from research to translating to engaging other community members on our behalf. They bring a range of expertise, from engineering skills to design skills, from experience in the corporate sector to youth engagement in high schools. CAWST is extremely grateful to have a great pool of people from which to draw resources.

THANK YOU

Tom Mahin – Water Quality Genius... for being CAWST's go-to-guy on technical water questions and the countless hours he has dedicated to reviewing the research, compiling the evidence and making the case for CAWST's focus on safe water for people living with HIV/AIDS and maternal and child health.

Maureen and Darren Darling – Wavemakers Youth Program Volunteers... for delivering top-notch in-class presentations and hosting many events.

Christina Perkins – Coffee Goddess... for running our Coffee@CAWST events, and superb front-line and behind-the-scenes help with the volunteer and youth programs.

Joe Barnett, Laura Lee Smart, and Patti Acorn (University School in Calgary) – Teachers Extraordinaire... for helping us to produce an incredible learning resource for the Youth Wavemakers Program.

Larissa Svelka of Blakes, Cassells & Graydon – Sublease Agreement Magician... for writing our sublease agreement in perfect legal-eze and answering many questions about terms and definitions with incredible patience.

Ian Prinsloo – Training Guru... for helping to deepen CAWST's knowledge and practice on the learning process and effective facilitation skills.

Pauline Chan of Blakes, Cassells & Graydon – Legal Advice Expert... for providing legal advice and reviewing all of CAWST's By-laws and Policies with a fine tooth comb.

Laurel Madro – Cultural Integration Virtuoso... for helping members of the CAWST staff with ESL training and cross cultural orientation.

Mahbuba Khanam – Bangladesh Expert... for spending all your vacation time to work with CAWST in Bangladesh. You open your heart, home and family to CAWST each time you volunteer with us. We're grateful to have a Bangladeshi home.

Mike Lafleur – Inspiration Teacher... for your insight, enthusiasm and commitment to helping people get safe water. It was such a pleasure having your expertise and support in Ethiopia.

Hilary Miller – Friendly Co-trainer... for taking holidays to support CAWST's biosand filter training in Michigan. Your knowledge, motivation and ecosan expertise have been a real plus for us.

Herman Van Reekum – Immigrations Specialist Extraordinaire... for donating time and expertise to guide us through all processes related to supporting our staff in obtaining their work permits and Canadian residencies

Carlos Schmidt – Assembly Master... for volunteering time and strength with the setup and takedown of the Waves of Change exhibit and for all the hours and attention to detail put into making our much-needed sieve sets.

FINANCIALS

STATEMENT OF FINANCIAL POSITION

December 31, 2010, with comparative figures for 2009

	2010	2009
Assets		
Current Assets:		
Cash and Cash Equivalents	\$773,616	\$625,797
Term Deposits	570,000	570,740
Accounts Receivable	54,243	90,331
Prepaid Expenses	9,062	5,585
Marketable Securities	—	7,205
	1,407,101	1,299,658
Property and Equipment	30,965	46,452
	\$1,438,066	\$1,346,110
Liabilities and Net Assets		
Current Liabilities:		
Accounts Payable and	\$ 113,582	\$ 64,964
Accrued Liabilities		
Deferred Contributions	132,145	150,000
	245,727	214,964
Deferred Contributions related	—	2,840
to Property and Equipment		
Net Assets	1,192,339	1,128,306
	\$ 1,438,066	\$ 1,346,110

STATEMENT OF EARNINGS

Year ended December 31, 2010, with comparative figures for 2009

	2010	2009
Revenues:		
Donations	\$ 1,627,781	\$ 1,616,626
CIDA Grant	539,764	443,684
Project Consulting	102,961	106,036
Training Courses	39,356	26,314
Interest Income	3,522	702
	2,313,384	2,193,362
Expenses:		
Salary and Benefits	1,237,574	1,099,923
Water Expertise and Training Centres	307,172	274,838
Travel	173,282	176,988
Consulting	153,252	92,410
Office and Administration	141,351	146,392
Materials and Laboratory Supplies	70,908	29,757
Rent and Utilities	58,291	62,069
Professional Fees	33,600	13,488
Insurance	32,559	26,719
Meals and Entertainment	10,486	27,527
Training and Conferences	7,394	4,179
Loss (Gain) on Sale of Marketable Securities	1,842	(2,320)
Depreciation	21,640	27,901
	2,249,351	1,979,871
Excess of Revenue over Expenses	\$ 64,033	\$ 213,491

The following list of clients responded to CAWST's client survey, representing the types of organizations who CAWST trains and supports:

AFGHANISTAN

Ray construction Development Company
Action Contre la Faim
Danish Committee for Aid to Afghan Refugees
Development Afghan Family organization
Helvetas, Swiss association for International Cooperation
Tearfund
INTERSOS
Catholic relief service

BANGLADESH

University of British Columbia
Local Environment Development and Agricultural Research Society
Asia Arsenic Network
The Alosikhra RSD Center
Centre for Development and Peace at Meherpur

BOLIVIA

Victoria Avenue Baptist Church Bolivia Water Project
Bolivian-Canadian Clean Water Network
Solar Disinfection Foundation
Fundación para la Conservacion del Bosque Chiquitano
Food for the Hungry Bolivia

CAMBODIA

Bareebo
Teuk Saat 1001
The United Nations Children's Fund Cambodia & Ministry of Rural Development
Clear Cambodia
Trailblazer Foundation
Cambodia Global Action
Church World Service
Nam Saat
Sustainable Cambodia
Water for Cambodia/ Friends without Borders
Sao Sary Foundation

CAMEROON

Presbyterian Church in Cameroon
Ministry of Energy and Water Resources
Wycliffe Associates
Global Health Dialogue
College Agricole Bullier
Faculté d'agronomie et de sciences agricoles filières environnement
Water For Cameroon
AREEN
Centre Régional pour l'Eau Potable et l'Assainissement à faible coût Cameroun
Aquacare
comité des points d'eau
Heifer International Cameroon
Engineer Without Borders Hope College

CANADA

Aquatic Consultants Incorporated

CHILE

GreenLook Chile

COLOMBIA

Rotary Club of Calgary South
Aguayuda, Inc.

ECUADOR

Educacion y Accion

EL SALVADOR

Care Internacional El Salvador
Club Rotario Sirama-San Miguel
Club Rotario San Miguel Ciudad Jardin

ETHIOPIA

World Health Organization
Baer Essentials in Ethiopia

Oxfam America
International Rescue Committee
Stand for Vulnerable Organization

GHANA

Environmental Health & Sanitation Unit
Pure Home Water
All For Humanity Association of Alberta
Guatemala
Asociacion Ajpu
Help for the Highlands of Guatemala
Mission Impact
Wuqu' Kawoq

HAITI

Martin McGee
Clean Water for Haiti

HONDURAS

Global Brigades
Engineers Without Borders Oklahoma State University Student Chapter

INDIA

South Asia Pure Water Initiative, Inc.
Vadamadurai Vattara Kalanjiam
Development of Humane Action Foundation
Asian Rural Life Development Foundation - India Trust
The Assembly of God Mission, Kolkata
Third Millennium Awakening

INDONESIA

Yayasan Silih Asih
WatSan Action

IRAQ

Kurdistan Villages Reconstruction
Kurdistan Health Organization
International Society for Peace and Human Rights

KENYA

Lwala Community Alliance
FEED
Bridge water project
Aqua Clara International
Rick Scott Bunyala Community Training and Development Initiative
International Committee of the Red Cross Kenya
Lumama Secondary School
Kevin Wiebe
Kenya Water for Health Organization
Kariobangi South Welfare & Slums Housing Association
Community Initiative Facilitation & Assistance
GroundWater Abstraction (K) Outreach
Nuru International
Running Water International
Friendly Water for the World

LAO PDR

Community Development and Environment Association

MALAYSIA

Crisis Relief Services & Training

MALI

Hands Across the Nations

MEXICO

Centro de Desarrollo Rural Quetzalcoatl A.C
A&T Aquasoluciones

MULTIPLE COUNTRIES

Thirst Relief International
Loving arms

MYANMAR/BURMA

International Rescue Committee

NEPAL

A Vision for Clean Water
Nepal Red Cross Society
University of Padua
Environment and Public Health Organization
Srijansil Mahila Samuha

NICARAGUA

Victory Baptist Church
Newton/San Juan del Sur Sister City Project
Blue Energy
Mission Opportunities Short Term Ministries

PAKISTAN

The Ngo World Pakistan
Association for Humanitarian Development
Society for Conservation and Protection of Environment

PERU

Talisman
Asociacion para el Desarrollo de la Ingenieria al Servicio de la Sociedad
Rotary International
Servicio de Agua Potable y Alcantarillado de Lima
Equidad y Desarrollo
Desarrollo Sostenible en Acción Peru
Aynimundo

RWANDA

Kageyo Anti-desert Club
Life and Water Development Ministries
Rwandese Health Environment Protection Initiative

SIERRA LEONE

Muloma Women's Development Association
GOAL Sierra Leone

SOUTH AFRICA

BioLife

SUDAN

United Nations Educational, Scientific and Cultural Organization, Chair in Water Resources
Al Bait Al Mamour
Hanti Sidra One Global Family/ Pan Aweil Development Inc.

TANZANIA

Maisha na Maji
Serving Our Neighbor International

THAILAND

Raintree Foundation
Kids Ark Foundation

UGANDA

Technology for Tomorrow
Crossroads Christian Communications Inc.
Connect Africa
Water God's Way
Samaritan's Purse Uganda

UNITED KINGDOM

Aqueduct

UNITED STATES

Jon Hendricks
Madonna University
Thirst Relief International

ZAMBIA

Programme for Sustainable Rural Development
Ngapagok School project
Chibolya Education & Health Organisation
Seeds of Hope International Partnerships

ZIMBABWE

One Way Ministry

INDIVIDUALS

Gillian Anderson
Anita Arduini
Jeff Arsenych
David L. Barss
Dianne Bassett
Lucy Batycky
Matthew Bauer
Karen Bauj
David & Donna Becchetti
Markian Beley
John & Tammy Bock
Dan & Carolynne Boivin
David Boone
Chris Booth
Brenna Boucher
David Broad
John & Judy Broad
Mike & Jacquie Broadfoot
Mark & Amanda Brownlie
John & Marie Bruggeman
Stephen R. Bugbee
Patricia Calon
Francis (Frank) Calon
John & Barbara Cameron
Joan & Peter Carson
Frederic Claridge
Brent & Lisa Date
Mike & Laura de Jonge
Melanie DesRoches
Aaron & Mary Dommasch
Heather & Dieter Dorin
Derek & Camille Baker
Lidia Duncan
Lyle & Ann Dunsmore
Noreen Dyck
Janice Eliasson
Dale & Cathy Ens
Gary Feltham
Bruce & Sheila Fenwick
Francine Forrest
Donald & Sharon Foulkes
Allan M. & Marilyn M. Fowler
Sheila Gair
Jeff Gair
Phyllis E. Gleed
Bruce Goodall
Don Goodrow
Ken Gordon
Dr Glen Gould
Shirley Gould
Alfred & Monica Grainger
Carolyn Gratton
Mark & Sarah Greenwood
Dennis & Diane Gregory
Bruce & Lori Hamilton
Hal Hamilton
Janice Hamilton

Robert & Susan Hamilton
Evan Hazell
Richard & Patrice Henson
Mary E. Hobart
Lisa Homer
Cornelius & Michelle Hoogveld
Ken Hornovatin
James & Pamela Houck
Ben & Linda Hubert
Martin Hugh-Jones
Christopher & Cathleen Hunter
Steven Ibbotson
Mike Jackson
Bert Joines
Brenna Johnson
James Douglas Kay
John & Lynn Keating
Maria Khan
Arthur & Mariola Kloc
Allan & Deirdre Lane
Chris Lashmar
Matt Law
Brent Lennox
Bernadette Loucks
Christine Loziak
Murray Lueke
Georgia Lykidis
Jean MacNaughton
Daniel Majaess
Glenn & Jill Malcolm
Peter V. Malowany
Mary Maxim
Megan McAllister
Scott K McDonald
James & Valerie McFarland
Robert McGowan
Daniel & Lynne McLaughlin
Michael & Margaret Miller
Joan Morrison
Alicia Motuz
Wayne & Sandy Newhouse
Matteo Niccoli
David & Gail O'Brien
Margaret Oliver
Thomas Oystreich
Dave & Nanette Perrott
Alison Pidskalny
Alfred & Mary Potter
Norma Pyke
Heather A. Pysklywec
Maureen & John Pysklywec
Mike Quinn
Stuart Quinn
Greta Raymond
Chris Read
Bill Redmond
Kathleen Rich
Cheryl Robinson

Vlad Rojanschi
Susan Ross
Barbara Ross
Margaret Rosso
Laurie Russell
Mary Samolczyk
Keith & Theresa Schneider
Joanne Seidel
Monica Seymour
Charles S. Simpson
Mary Siu
Roger & Lorna Smith
Mike Smyrl
Robert & Christine Sparrow
Amy Stachniak
Edward & Kerry Stack
Meredith Stephure
D. Michael Stewart
Barry Stewart
Brent & Joan Stuart
Gordon & Margaret Swann
Stella Swanson
Caroll & Ted Tait
Sharon & Anthony Tiberio
Michael & Renae Tims
Jerzy & Beth Tobiasz
Jeremy Toth
Carl & Anna Tremblay
Lesley Turner
Lindsay Lee Vala
Cameron Waldie
Daniel & Molly Wares
Ashlyn Weis
Shirley Mickey Wolfe
Kori Woodard
Lorna Wright
Andrew Wytsma
Bob Wytsma
Ora Zabloski

ORGANIZATIONS / INSTITUTIONS

Angela MacArthur Professional Corporation
ARC Financial
Baker Resources Ltd.
Bishop Grandin Choir Parent Association
Bishop Grandin High School
Bishop Grandin Staff Fund
Bishop O'Byrne High School
Calgary Board of Education
Canadian International Development Agency (CIDA)
Cenovus Employee Foundation
Cindy Johnson Royer Fund c/o The Calgary Foundation
City of Calgary
City of Calgary Office of Sustainability
City of Calgary Society of Professional Engineers

Doug and Nancy Craig Fund c/o The Calgary Foundation
Dr. Glenn D. Gould Prof. Corp.
Dunfield Family Fund c/o The Calgary Foundation
EnCana Cares Foundation
EnCana Corporation
Ernest Manning High School
Father Beauregard School
Father Lacombe High School
Freshwater Creative Corp
Holy Nativity Anglican Church
Institut de France for Suez Environnement
JB Digital
John and Elsie Collins Foundation c/o The Calgary Foundation
KPMG Foundation
Lord Beaverbrook High School
Mardon Fund c/o The Calgary Foundation
Mary Martha Group of Presbyterian Women
McMillan-McGee Corp.
Morrison Hershfield Limited
Nexen Inc.
Petro-Canada
Platinum Photography
Pluspetrol
Platnigan Fund – Richard Bird (previously Moibus)
Rotary International District 5360
Rubicon Fund c/o The Calgary Foundation
St. Andrews Presbyterian Church
St. Barnabas Anglican Church
St. Helena Junior High School
St. Mary's High School
St. Paul's Anglican Church
Suncor Energy Foundation
Talisman Energy Inc
The Byler Foundation – David and Carol Byler
The Calgary Foundation
The Catholic Women's League of Canada
The Church of St Laurence
The Rotary Club of Calgary
Total Wellbeing Committee
TransCanada Pipelines Ltd.
United Way of Calgary
United Way of Greater Toronto
University School
W.O. Mitchell Elementary School
Wanklyn Family Fund c/o The Calgary Foundation

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