

# Water for the World Event Resource Guide

## Introduction

The lack of safe and clean water to drink, cook, and wash with affects more than 1 billion people – mostly in developing countries. Your assistance – through coordinating Water for the World Water Events – makes it possible to promote access to safe drinking-water for rural communities, churches, schools and orphanages throughout Kenya. The events are aimed at raising awareness about water-stressed communities, focusing your groups' method of engagement and facilitating a plan of action. The following document is a resource guide to help you facilitate Water for the World Events in your community.

## Step One: Understanding the Problem

### Quick Facts as of 2002<sup>1</sup>:

- 1.1 billion people lacked access to improved water sources (tap water in the house or yard from public distribution systems, protected wells and springs, public stand posts, rain water collection), which represented 17% of the global population.
- 2.6 billion (42% of the world population) lacked access to basic sanitation.
- Of the 1.1 billion without access to improved water sources, nearly three quarter live in Africa and Asia.
- 1.8 million people die every year from diarrheal diseases (including cholera); 90% are children under 5, mostly in developing countries.
- 80% of the populations without access to drinking-water were rural dwellers, but future population growth will be mainly urban.
- The good news is that, with 83% coverage in 2002, the world as a whole is on track to meet the MDG (Millennium Development Goals) target for safe drinking-water. The news is tempered, however, by slow progress in sub-Saharan Africa and stalled action on sanitation in most developing countries.

## Water Issues: Related Links

World Health Organization: [http://www.who.int/water\\_sanitation\\_health](http://www.who.int/water_sanitation_health)

United Nations – Water for life decade: <http://www.un.org/waterforlifedecade/>

World Water Day: <http://www.worldwaterday.net/>

World Water Forum: <http://www.worldwaterforum4.org.mx/home/>

World Water Council: <http://www.worldwatercouncil.org/>

International Water and Sanitation Centre (IRC): <http://www.irc.nl/>

## Step two: Focus Water Related Issues to be addressed

Engaging water related issues requires that we focus our efforts in an area that best matches our vision, values and capacity. There is an extensive range of water issues. The list below numerates some of the more common areas for water interventions.

---

<sup>1</sup> UNACF/WHO Water for Life, Making it Happen, 2005

- 1) Inadequate access to safe water and basic sanitation.
  - 2) Sound water resources development and management.
  - 3) Health problems associated with water-stressed conditions.
  - 4) Irrigated agricultural production and livestock.
  - 5) Economic livelihoods of those reliant on water for products and services.
  - 6) Impact on Environment and aquatic ecosystems
  - 7) Hydropower generation
  - 8) Disaster mitigation against the affects of floods and droughts.
- ❖ At Water for the World Events it is important to delineate to the group our area of engagement. Water for the World's mission is born directly in response to the water needs encountered by missionaries, aid organizations and church leaders in developing countries. Water for the World's current focus is to provide rural communities, in Sub-Saharan Africa, with access to clean and safe water in a manner that is sustainable, whilst providing a visible witness of Christ's grace and compassion. Water for the World's mission is integrated into our objectives and strategies. An integrated model has been developed in Kenya. Below is the strategic basis for the Kenya model.

## **Strategic Plan: Water for the World Kenya**

### **Vision & Mission**

Water stressed communities blessed by encountering a faithful witness of Christ through the engagement in water solution initiatives. Provide collaborating partners with access to the technical, spiritual and financial resources necessary to realize sufficient potable water in order to improve the quality of life of the population served in Kenya.

### **Core Values**

#### *Transformation*

- Christ is glorified through the sincere actions of believers that serve those whom God loves and desires to reconcile to Him.
- Good stewardship of resources.

#### *Sustainability*

- Total water solutions that integrate appropriate water system design, access, treatment and distribution of water resources.
- Build local capacity to design, operate, and maintain sustainable water resources.
- Develop water systems that are fitting to the protection and preservation of the natural environment.
- Design water systems built to last in difficult and remote areas.

#### *Social Responsibility*

- Provide assistance to communities with limited access to financial resources.
- Facilitate the implementation of water solutions to entities that provide social assistance.

- Insure that water systems comply with water right laws and social norms.

### **Goals**

1. Make fresh water available (within a one mile perimeter) in water stressed communities.
2. Partner with churches, schools, and other Christian institutions in order to supply a long term source of living water.
3. Furnish orphanages, hospitals and other social institutions with a reliable source of potables water.

### **Context Analysis**

Successful management of freshwater resources is a critical health issue. The World Health Organization (WHO) calculate that by 2025, more than 2.8 billion people — 35% of the world's projected population — will live in 48 countries facing water stress or water scarcity. One in every four people in the developing world (1.2 billion) currently lack access to a safe water supply, and two in five have no access to improved sanitation. These figures will only increase as worldwide demand for water increases. The worldwide demand for water doubles every 20 years.

Insufficient water quantity, poor water quality, inadequate sanitation, and underutilized personal hygiene practices are directly responsible for the vast majority of diseases that cause diarrhea, which kill over 2 million children each year. In addition, water resources management has an impact on insect vector populations, most notably mosquitoes. Malaria alone kills between 1 and 2.7 million people each year, with ninety percent of these deaths in sub-Saharan Africa, mainly among children. A recent report by International Water Management Institute (IWMI) also point to the impact accessing water has on food supplies and drought related famine. The Horn of Africa has especially experienced a particular problem with inconsistent rain-fall. Countries like Kenya and Tanzania, have vacillated between severe flooding and drought. The U.N. calculates that by 2025 the people in these countries will be living under extreme water stress conditions unless the issues are addressed today.

### **Development Hypothesis**

Finding a consistent and reliable source of clean water is the challenge for water stressed communities in Kenya. Managing water resources at the basin or watershed scale includes lakes, rivers, streams, groundwater, surface water, and coastal resources. Because integrated land and water management approaches are most effectively performed by large government agencies – that have the resources, authority and leverage necessary to institute cross-sector reforms – Water for the World has delineated its scope to facilitating access to groundwater resources and water catchments systems. However, because of inconsistent rain fall, geographical restraints, and water management requirements the majority of initiatives focus on groundwater sources.

Accessing groundwater in the remote arid regions of Kenya requires drilling equipment that can reach lower depths. In Kenya this equipment is limited to the more densely populated areas (i.e. Nairobi). Water for the World is committed to developing the drilling capacity to

provide the technical resources necessary to insure that the remote regions of Kenya can be serviced.

A strategic alliance with church and community development organizations will also enable Water for the World to execute its Strategic Objectives in a sustainable and cost effective manner, while insuring that its' transformational and social values are integrated. Strategic alliances will also enable Water for the World to access additional resources and strengthen its administrative capacity.

### **Strategy**

To insure that water remains accessible and improves the health of community members, the proper development, management and treatment of water resources must be addressed. Water for the World Kenya aims to develop the local technical capacity to access, treat, store and distribute water resources. Training community leaders in the proper maintenance and management of water systems requires local participation and ownership of the projects. Making training available to community members – in the proper treatment, use and disposal of water – also increase long term health benefits. This integrated approach is facilitated by a strategic alliance with local NGO's (e.g. IAS) and church organizations (e.g. KAG) that provide a continuing presence in participating communities. Grants to fund water projects in communities with limited access to financial resources will also be made available through resource development initiatives sponsored by Water for the World and its strategic partners.

### *Strategic Objectives*

1. Build up in-country technical capacity to efficiently:
  - a. Survey remote sites,
  - b. Design appropriate water systems,
  - c. Drill complex boreholes,
  - d. Test & develop boreholes,
  - e. Install durable storage and distribution systems,
  - f. Maintain and rehabilitate existing water resources.
2. Expand local capacity to train community leaders in the management of water resources thru:
  - a. Organization building mechanisms,
  - b. Environmental analysis and project selection processes,
  - c. Participative water system design,
  - d. Training for the operation and maintenance of water system,
  - e. Hygiene and sanitation courses,
  - f. Installing best practices for the administration of water resources.
3. Increase the churches capacity to be an effective witness to persons living in water stressed conditions by:
  - a. Developing systematic processes to identifying water stressed communities,
  - b. Facilitating resources to communities in need of assistance,
  - c. Training community development evangelists to serve the spiritual needs of families living in difficult conditions.

- d. Provide a vehicle for believers to testify through word and deed of God’s love and concern for our well being,
- e. Create the opportunity for believers to engage difficult to access communities.

- ❖ The Key points to note about Water for the World focus:
  - Triple bottom line – Social, Sustainable and Transformational goals.
  - Integrated strategy that insures community members are trained in the implementation, administration and maintenance of developed water system.
  - Partnership with local churches creates a faithful witness of God’s concern and care.
  - Design and develop contextually appropriate water systems that insure environmental and economic sustainability.
  - Present pilot model is in Kenya. Programs and services in additional regions of the world will be explored at later date.

### Step Three: Defining Your Collaboration

Water for the World presently has four avenues for assistance:

1. Sponsor an integrated water project for a water-stressed community in Kenya.
  - ✓ Community Water projects are comprised of four critical elements:
    - a. Community Mobilization Team is sent to coordinate pre and post project organization and training.
    - b. Technical Team performs hydrological surveys and provides input for design of water system.
    - c. Drilling team executes the development of water system.
    - d. Community Mobilization Team assesses, coordinates, and assists local church leaders in sharing the Gospel in an appropriate manner.
  - ✓ Cost for integrated water projects vary according to geological, system specifications, and other extenuating circumstances. Upon request for a project Water for the World will provide a quote for a specific project (attached is Sample Drilling Estimate). If a specific project has not been defined, you can use the following averages to determine your fund raising goals:

	<u>AVG COST</u>
a. Pre and Post Community organization and training	USD 2,500
b. Hydrological Survey and System Design	USD 1,000
c. Drilling (Based on 100 meter well)	USD 5,500
d. Well Development (Based on 8” casing)	USD 4,500
e. Install Distribution, Storage, and Treatment Systems	USD 10,000
f. Follow-up components	USD 1,500
<b><u>Projected Total</u></b>	<b><u>USD 25,000</u></b>

2. Assist Christian churches, schools, orphanages, or hospitals attain potable water.
  - ✓ Water Systems for Christian and social institutions require less pre and post organization and training because they are usually entrusted to a central administration that can insure system management and maintenance are performed

on a regular basis. These projects are aimed at assisting organizations that serve the broader community with critical access to potable water.

- ✓ The cost of water systems for Christian and social institutions varies from project to project. All water systems are custom designed to maximize existing water resources. Upon request we can facilitate a project to be funded and provide an estimate. If no specific project has been identified than you can us the following averages to set fund raising targets:

	<u>AVG COST</u>
a. Pre and Post organization and capacity building	USD 1000
b. Hydrological Survey and system design	USD 1000
c. Drilling (Based on 100 meter well)	USD 5,500
d. Well Development (Based on 8" casing)	USD 4,500
e. Install Distribution, Storage, and Treatment Systems	USD 8,000
<b><u>Projected Total</u></b>	<b><u>USD 20,000</u></b>

3. Support Water for the World Missionary or Volunteer.

Water for the World Kenya is a non-profit organization staffed with missionaries and volunteers. Core operational personnel are all local full time employees, but we do have administrative support staff, trainers and field missionaries that are subsidized through personal donations. This enables us to keep our operational cost low and still provide the community development and transformational services intrinsic to our mission.

- ✓ If you would like to support a specific missionary or volunteer on a monthly basis we would be glad to facilitate their support. If you chose to give an undesignated donation we will insure that it is applied to the area or person of greatest need.
- ✓ There is no specified donation amount for missionaries and volunteers. However, for ease of processing we recommend that contributions less than \$50 per month be given collectively if possible.

4. Help fund specialized drilling and hydrological equipment.

Water for the World's commitment to serving people in the most remote and difficult regions of the country require special technology and heavier equipment. Many times additional cost for this equipment is difficult to justify because of its specialized nature. By subsidizing this equipment we can insure that the best technology is made available to all those we serve.

- ✓ To subsidize a specific piece of equipment please contact Water for the Worlds US Operations office for a purchase order.
- ✓ You can also request for a matching funds account. If you or your group would like to give a donation to the "general equipment fund", Water for the World will search for a partner organization to match your donation. *Please consult with US Operations office for a matching fund partner before promoting the fund.*

- ❖ Defining how to help can be done before the event or as part of the event. If you are familiar with the group you will be addressing then preselecting a project may have several advantages. With prior knowledge you can take specific materials to present, such as actual projects to be funded. It can also help keep this portion of the event focused and simple. However, if the group is larger or not as well known it might be good to offer a broader

selection of projects. By engaging the group in the selection process you will also increase the members since of participation and ownership of the project.

- ❖ Please note that all estimates and averages are subject to change because of the very nature of the projects. That being said, Water for the World employs best practices and insures proper due diligence. Estimates should not vary beyond the industry norm. It is also important to note that when attempting to access water by drilling boreholes we cannot guarantee water quantity or quality. There is no cost effective technology to insure these results. Hydrological surveys increase the likelihood of finding water, but cannot guarantee finding clean potable water. In the event of a dry or contaminated borehole, we will inform the donor of the situation and hold the balance of the donation in a reserve account. Itemized cost for drilling alone is about 50% of the total borehole cost. In many cases a second borehole can be drilled with the balance of the funds, increasing the communities or social institutions likelihood of achieving a productive borehole. Additional funds would have to be raised to complete the water system. These options and or modifications will be done in consultation with the donors and the end users.

#### **Step Four: Hosting an Event**

The Forum to host Water for the World Events is limitless. It is our desire that each partner use their creativity and knowledge of the audience to develop an event that will achieve the desired results. Below is a list of Water related events to help spark your imagination:

- Water Focused Home Group – Invite friends and neighbors to help support a water initiative
  - Special Water Service – Hold a special service in your church that emphasis helping others.
  - Internet Conference/Blog – Gather your web savvy friends to engage in virtual Water event.
  - Contest and Prizes – Sports, art and science contests in which sponsor support a Water project.
  - Water Challenge – A week without bathing, or some other challenge that generates awareness.
  - Water Drama/Play/Documentary – Host an event were visual arts reflect Water themes.
  - Water Concert – Good music for a good cause.
  - Teas and Dinners – Social settings that allow for formal presentation of Water needs.
  - Water Week at you place of business – For every cup of water at the cooler donate a dollar.
  - Swim for Water fundraising event – Swim-a-thon, where laps are sponsored.
  - Water Forums – University, high-school or book clubs settings host a discourse on water related issues.
  - Water Theme Celebration – Galas, carnivals and other fun events focused on water.
  - Water Focused Sunday school – Engage your Sunday school class in supporting a water project.
  - Water Focus Outings – Day trips, weekend outings and or extended missions trips to visit Water related sites.
- ❖ Regardless of the type of event you hold remember to keep the end results in mind. Getting people involved is the key. Whatever the event, we are glad to help with any visual aids or

support materials at our disposal. Please feel free to contact US operations office for assistance.

### **Step Five: Collecting Donations and Receipting Donors**

Donations can be made directly to Water for the World or to the event sponsor, who then makes a consolidated contribution to Water for the World. Water for the World is a registered non-profit organization in the state of Nebraska, and therefore donations are tax deductible. Water for the World can directly receipt a donor or receipt an intermediary organization that consolidates funds.

- ❖ For tax purposes, it is not advisable for event facilitators to receive large donations in their name, because you will be required to claim it as income. However, you can consolidate the funds through a non-profit organization. For example, if you are working in conjunction with a Church or Foundation that has a 501c3 tax status, you can have them receipt individual donors and send a consolidated payment to Water for the World. An automatic monthly withholding from donors bank accounts can also be arranged through Water for Worlds US office. This is especially beneficial for those who support missionaries, volunteers, and or projects on a monthly basis.

### **Payments to Water for the World**

#### **Checks**

- 1) Checks Made to: Water for the World
- 2) In Memo section: List assistance category and project designation (If undesignated leave blank)
- 3) Mailing Address: Water for the World, PO BOX 9213, St. Louis, MO 63117

#### **Credit Cards**

- 1) Visit Water for the World Web page at: [www.water4world.net](http://www.water4world.net)
- 2) Select Get Involved Page
- 3) Select PayPal option
- 4) Inter credit information
- 5) In comment section delineate assistance category and project designation

#### **ACH (Automatic Bank Withdrawal)**

- 1) Contact Water for the World US operations office and ask for Bank information.
- 2) Donor contacts their Bank and request that they set up an Automatic debit (ACH) transfer to Water for the World Bank account.

### **Receipts**

#### **Donations made to Water for the World**

- 1) All donations (cash, check, ACH...) need to specify who the donor is (full names).
- 2) All donors requesting receipts must include their address, if not the same as on the check or if other method of payment is utilized.
- 3) All donations should delineate project category and designation.