



Water Resource Group 2006-07

I am pleased to submit the following report summarizing the many initiatives and activities of Rotarians and Rotary clubs during the Rotary year 2007-08.

Executive Summary

Goals for 2006-07

At the beginning of the Rotary year the group set four goals:

- To encourage every Rotarian to become aware of the world water issues;
- To encourage every Rotary club to undertake a water project;
- To launch three demonstration projects that would demonstrate Rotary's ability to take the lead and/or be a significant player in major water programs;
- To begin to prepare a compendium of "best practices" as guidelines to Rotarians and Rotary clubs who wish to implement water/sanitation projects.

Achievements

Significant progress has been made towards these goals but we recognize that much work remains:

1) Awareness has been created through a number of complementary activities:

- District water newsletters discuss district water projects and world water issues.
- District/zone water conferences often feature speakers from major international agencies such as UNICEF, Center for Disease Control, UNESCO, WaterAid etc. as well as Rotarians familiar with water projects and challenges.
- The *Rotarian* has featured several articles on water and the role of Rotarians.
- Rotarians have been advised from time to time whenever a significant article appeared in publications such as The Economist, New York Times or other media.

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- The DVD documentary “Rotary-The Water Story” has been made available to many districts and Rotary clubs.
- Area, zone and district coordinators have sought and exploited many opportunities to speak and/or make presentations.
- Water bulletins, “success stories” etc. have been e-mailed to over 3000 Rotarians in every part of the Rotary world.

2) *Every club to have a Water/Sanitation project:*

- Although an accurate count is difficult because of poor reporting and incomplete data, we estimate that about 8500 Rotary clubs are involved in a water project.
- In many cases Rotarians from the northern hemisphere are doing hands-on/sweat-equity work in water-stressed countries.
- In some cases the contribution may be limited to financial support.
- The majority of projects are drilling/digging wells, followed closely by supplying slow-sand filters.
- Rainwater harvesting is becoming increasingly important as Rotarians recognize the importance of sustainability.

3) *Three demonstration projects are well advanced:*

- Integrated community development, based on a holistic rainwater harvesting program in the Nakuru, Rift Valley region of Kenya will eventually bring water to over one million villagers. This sustainable program makes extensive use of Rotary Community Corps.
- The Ethiopian Water Project, still in the early stages, will improve the livelihood and health of some 200,000 people initially. As this project rolls out with support from the Hilton Foundation and World Vision, it could eventually impact 6-8 million people and transform Ethiopia’s Shewa region.
- In Rajasthan, the Rotary India Water Trust is demonstrating how, through a local NGO (SCRIA), it is possible to bring a sustainable water supply to some 650 villages (one million people) for a cost of about \$8500 per village.

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Several other large scale water/sanitation projects further demonstrate Rotary’s ability and capacity to lead water initiatives.

4) *Best Practices*

Progress here has not been as rapid as hoped—due largely to a shortage of resources:

- A draft version of guidelines on “Sustainability” was prepared and distributed to many Rotarians and other qualified people to solicit their reaction and input. This document is now being revised. We plan to have it ready for distribution and adoption by the middle of the Rotary year.
- Best practice documents are being prepared on slow-sand filters, borewells and dug wells, and toilets and latrines. This is especially significant because the year 2008 is the International Year of Sanitation (IYS). Rotarians and Rotary clubs will want to become involved, and will be seeking guidance.

Other Notable Events

A number of events occurred during the Rotary year which position Rotary to become significant players in the challenge to bring safe water and sanitation to over 500 million people in the next decade:

- Formation of the Water & Sanitation Rotarian Action group (WASRAG). Already comprising almost 400 members this group is actively seeking and supporting longer-term water initiatives. Close cooperation with the Water Resource Group is assured by the election of the Water Resource Group Area Coordinators to the Board of WASRAG.
- Recognition of Rotary’s water activities by leading NGOs. Rotarians are being asked to participate in meetings with UNICEF, UNESCO, Water for People, WaterAid, Global Water Challenge, I.Y.S. Planning Committees, the Household Water Technology Network etc.
- Cooperation with major funding agencies at the project level e.g. The Hilton Foundation, World Vision, The Carter Foundation.

Against this general background I will now summarize information received from zones and districts on their water and sanitation projects during this past Rotary year:

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Zone 1 – Hitoshi Morita

Six districts in this zone report a variety of water related activities with significant emphasis on cleaning up rivers and waterways:

- D-2510 - nine clubs are supporting Rotary clubs in Thailand and Indonesia in various water projects;-installing filters and drilling wells
- D-2520 and -2530 are cooperating to clean up the Abukuma River. The project originated in D-2530, which contains the source of the river, three years ago and now involves 40 clubs from the district. More recently clubs in D-2520, which hosts the mouth of the river, have joined the project. This project has also spawned other activities including tree-planting and information symposia.
- D-2790 sees two clubs working to clean up the river.
- D-2820 reports 15 clubs engaged in water projects, three of which are cleaning up the river.
- D-2830 also reports many clubs committed to cleaning up the rivers and littoral and planting trees.
- D-2840 in addition to improving water quality locally is supporting well-drilling in Myanmar.

Zone 3 - Z.C. Morihiko Narukawa

This zone appears to be one of the more effective in implementing water and sanitation projects in other Asian countries:

- D-2640, R.C. of Tanabe and Shirahama, working with the R.C. of Bali Taman has embarked on a major project to supply roofed water tanks to 640 families about 150 kms east of Denpasar, Bali. This ambitious project will eliminate the need to walk long distances for water in the dry season.
- D-2650 is stressing water conservation in this Rotary year. They also plan to supply two rainwater tanks (3000 gal.) to a primary school in Papua New Guinea.
- D-2660, 10 Rotary clubs, mostly in the Osaka area, are implementing a variety of water projects in Myanmar, Thailand, Cambodia, Taiwan, Malaysia, Philippines and Mongolia. They include wells, gravity supply and filters as well as rehabilitating wells that have fallen into disuse.

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- D-2680 donated money to dig wells in Thailand. Locally it is cleaning up rivers and plantations.

Zone 4 - Z.C. Hiroshi Yamada

Another zone which is reporting significant momentum:

D-2670 presented 1,000,000 yen to the R.C. of Ambary for its water project. Several clubs are engaged in local water initiatives - cleaning school swimming pools, cleaning rivers. They are also installing water tanks and wells in Cambodia and the Philippines. Many clubs are planting trees and maintaining the forest.

- D-2700: River clean-up and forest maintenance, supporting the construction of a power plant in Sri Lanka and working with the R.C. of Makati Rockwell to construct three wells in the Philippines.
- D-2710: Focus on habitat and river clean-up in the local communities plus support for wells in Cambodia, water tanks in Africa and planned projects with the R.C. of Belcamp, India.
- D-2720: Habitat and river clean-up and completing a well project in Philippines.
- D-2740: working with local schools to promote awareness of water issues.

Zone 5 - Z.C.Ranjan Dhingra.

There is a high level of awareness of the importance of water/sanitation projects among Indian Rotary clubs. As a result most clubs are committed to at least one water project. Many of these projects are drilling or digging a well, building check dams, installing filters. But, some notable exceptions demonstrate the capacity of Rotary clubs to transform a community.

- The R.C. Bombay Midtown has been involved in drinking water projects in rural areas for many years. One of the major “lessons learned” is managing for sustainability. In the words of the past president Arrow Sinha Roy

“As a first step, we hold discussions with the villagers...educate them about the system being installed and what it takes to keep it going ... and make sure they are COMMITTED to such a set-up. ONLY THEN do we select the village for the project. Otherwise, once Rotary moves on, there is no guarantee of proper maintenance and supervision.

“We then set up a "Water Management Committee" in the village. It's a cooperative program that looks after operation of the water well system as per our laid down instructions. It ensures that the water is put to use for the intended purpose, in an impartial and equitable manner. The Committee collects token subscriptions each month from the village households -- to pay for the electricity charges and create a corpus for maintenance and future repair contingencies of the system.”

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I quote this example because of the need to stress sustainability in all major projects.

- There is also the Rajkot project where, under the leadership of one Rotarian, the club built a dam 1.8 kilometers long with a 45 meter spillway, which now brings water to a slum community of 150,000 people.

Zone 6 - Z.C. John Cheah Kam Loong

- The driving force in this zone is PDG Ravi Vadlamani D-3150 (Andhra Pradesh) who, with support from D-5470 (Colorado, USA) has initiated 250 hand-wells in addition to many other humanitarian projects.
- The coastal areas of District 3150 were devastated by the recent tsunami and the supply of fresh water impaired. Rotary clubs, with support from District 6000 (Iowa), have embarked on a major \$135,000 restoration project which includes pumps, pump house, power supply, distribution system, and storage tanks.
- Another project was the renovation of an agricultural irrigation system destroyed by the floods.

Zone 7 (Australia) - Z.C. William Waterfield

- D-9600, which includes Papua New Guinea and the Solomon Islands, reports 11 water projects including: building a pipeline to bring water 3.6 kms from a dammed creek to 7000 villagers, rainwater harvesting to 10 schools, 22 dug wells serving the coast of New Britain, boreholes plus rainwater harvesting to serve flush toilets in schools, water tanks and latrines, and testing water for arsenic.

Zone 7 (Philippines) - Z.C. Vicente J. Carlos

This zone, which also includes Papua New Guinea, represents a major opportunity for Rotary water and sanitation projects. Five districts have made a significant contribution to the life and livelihood of the people:

- D-3810, over 25 clubs are involved in drilling/rehabilitating wells, delivering water by tankers, installing distribution systems, cleaning watersheds and waterways, and sponsoring public education programs on water conservation and protection.
- D-3820 has installed overhead water tanks, drinking fountains, pipelines, deep wells and pumps, and an irrigation project to enable farmers to get two rice crops per year. Over 20 clubs in this district are active in water projects.

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- D-3850 (R.C. of Bacolad) implemented a novel project to supply a UV distillation system for a 3200 student school. Excess water is sold to the community, raising money for school projects. The club has also drilled five deep wells. Another project in this district is the installation of a water distribution system.
- D-9600 reports many projects including a pipeline, rainwater harvesting for 10 schools, 22 dug wells, flush toilets at a school.

Zone 8 - Z.C. Gerald K. Austin

- D-9710 reports that 7 clubs are engaged in safe water projects in New Guinea, East Timor, Philippines.
- D-9750 reports three clubs, with financial support from other clubs, engaged in water projects for village schools in Thailand and Papua New Guinea.
- D-9940, R.C. of Karori is implementing a water project in Assam.
- The R.C. of Doncaster (D-9810) with support from R.C. Melbourne and Lilydale, has set up a plant in East Timor to manufacture steel roofing and storage tanks for rainwater harvesting.

Zone 10 Europe - Z.C. Tommaso Virdia

Tommaso has been in close contact with all of his districts: and to date only one has not replied. They show a high level of interest and activity:

- D-2200, 2210 (Spain) building seven stone dams in a semi-arid region of Turkana, Kenya, (on the borders of Ethiopia, Kenya, Sudan, Uganda) to provide water to 50,000 people in an area of 10,000 sq. km. for farming and livestock as well as personal needs. A key to the operational success was the installation of 47 pedal-pumps. This project is part of a larger initiative undertaken by the Catholic Missionary Community of Saint Paul Apostle.
- D-2200, all the Rotary clubs in Madrid are cooperating to provide safe water and sewerage systems for 800 families in Guatemala. Other projects include potable water system in Morocco, wells in Cameroun, 6 dams in Ethiopia (jointly with the R.C. of Addis Ababa) for livestock and farming, 24 wells, pumps and piping in Morocco, 8 large diameter wells to provide fresh water to villages in Benin.
- D-2430 is working with R.C. Dushanbe, and with CARE and Intelligentsia International Inc. Another project is being coordinated by the R.C. of Bishkek with help from the Soros Foundation and the R.C. of Svalov (D-2390).

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- D-2470 (Greece) the R.C. of Piraeus-Neo Faliro is constructing a water pumping station and distribution system for a centre for the disabled.

It is estimated that over 400, 000 people will benefit from these projects.

Zone 10 Anglophone Africa - Z.C. Benson U.C.Aghazu

Although no report has been received from this zone, it is apparent from reports from other zones, notably North America and Europe, that Rotary clubs are very active. In each district almost every Rotary club is engaged in at least one, often several water projects.

Two of the most noteworthy projects are in this zone:

- The Nakuru community development project around four watersheds in Kenya, which will bring water to over 1 million people when completed.
- The Ethiopian project referred to in D-5030 (Z-23)

Zone 10 Francophone Africa - Z.C M-I Richmond Ahoua

Water is a major issue in this region of Africa. The challenge is complicated by ongoing hostilities and the nomadic lifestyle in many areas. Nevertheless, 38 Rotary clubs, of a total of 87, completed water/sanitation projects in 14 countries during the Rotary year. Typical of these many projects, summarized by country are:

- **Benin**—boreholes, latrines, sanitation equipment, drinking water system, irrigation system, water wells.
- **Burkina Faso**—solar water pumps, artesian well supplies, water wells and latrines.
- **Cote D’Ivoire**—install slow-sand filter, replace defective pumps, supplied water tower.
- **The Gambia**—supplying well, pumps and water distribution system for Jiboro-Kuta.
- **Ghana**—boreholes, wells, pumps, sanitation, latrines, sand-filters, in 13 different communities.
- **Guinea**—toilet blocks, well and educational materials.
- **Guinea-Bissau**—boreholes, wells, hand pumps.
- **Mali**—wells for schools and villages, supplied 25,000 gallon water cistern.

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- **Niger**—wells, pumps, piping, water tower and motorized pump, herd replacement in northern Niger.
- **Senegal**—irrigation sheath for planting mango trees, latrines and supplies for an elementary school.
- **Togo**—clean drinking water, water wells, latrines, water fountains, borehole well, and water pumping equipment.

The total value of these projects in D-9000 amounted to over \$2.5 million, with a median cost of \$37,500. Extensive support has been provided by Rotary clubs in France and Italy, as well as from several local NGOs and religious groups.

D-9010 has initiated a cooperative water program in Morocco drawing on clubs in Fez, Casablanca, Tighfert, and Marrakesh. It is supported financially by clubs in Morocco, Belgium, France and Belgium.

Zone 11 - Z.C. Bernard Bellemin-Noel

- D-1660 submitted a comprehensive analysis of their water projects. Of 35 clubs reporting, 19 are active in water/sanitation, many in association with Eau sans Frontières. Typical of these projects are: wells in Morocco, Niger and Madagascar; toilets in schools in Ethiopia, South Africa; water storage facilities in Cameroun, Morocco, and Burkina Faso. One of these projects in Komaka, Niger, will benefit 300,000 villagers
- D-1680 reports five projects; one, for two water towers in Benin, will supply water to 6600 villagers, a rainwater harvesting project in the Thar desert will support eight villages, another, water wells in Cambodia will also support many villages.
- D-1760—19 clubs are engaged in water/sanitation projects, mostly in Africa - Mauritania, Togo, Madagascar, Mali, D.R. of the Congo. They include wells rehabilitation of a pond, installation of pumps.

Zone 12 - Z.C. Antonio Lico

Ten of the districts in this zone report water projects in progress or in the planning stage:

- D-2060 has focused on Africa with projects in Kenya (Nakuru), Tchad and Guinea-Bissau.
- D-2120 reports that 18 clubs are cooperating on a project to bring safe water to tribal villages in Benin.

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Zone 13 -Z.C. Robert Gekiere

- D-1570 reports water projects in Tanzania, Kenya, Sri Lanka, Malawi, Uganda and Nepal. In Cameroun the R.C. of Scherpenzeel-Woudenberg is funding a program to purify well water to benefit over 220,000 people. The cost will approach 400,000 Euros over 6 years.
- Almost half of the clubs in D-1560 are active in water/sanitation projects in Ethiopia, Uganda, Kenya, Cameroun, Indonesia, Bolivia, Sri Lanka, Burkina Faso, Tanzania and Surinam. The total funding for these projects approaches \$1.5 million.
- D-1620 is another district active in Africa. Drilling wells, digging boreholes, installing pumps and rainwater harvesting systems with support from UNICEF are featured.
- D-1980 is working with a Swiss foundation to bring safe water to the district of Karagwe, in Tanzania.

Zone 14 - Z.C. Klaus-Peter Schulz

Thirteen of the twenty districts in this zone report water/sanitation projects, and, the geographic scope and nature of project is very diverse:

- D-1800 working with D-9200 (Kenya) is providing drinking water and irrigation to improve the crops and health of 4000 people, and a water purification system in India.
- D-1810 providing drinking water and sanitation to 2000 elementary school pupils and villagers in rural India.
- D-1820 helping to install pumps, wells, pipes and filtration for 2000 Namibians.
- D-1830 implementing wells, pumps, pipes and dams to supply drinking water to schools in the Philippines.
- D-1840 a comprehensive program of dams, wells, reservoirs, sewage system, pumps and pipes to bring safe water and sanitation to 5000 villagers in Tanzania.
- D-1850 several projects in Egypt, Indonesia, Paraguay, bringing water and sanitation to over 3000 people.
- D-1860 supplying safe water and sanitation to 600 families in the Philippines, and a deep well system to bring water to 200 families in Sri Lanka.
- D-1880 installing a water filtration system in the Philippines.

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- D-1890 tubewells, pumps, tanks and pipes to serve 3000 in India.
- D-1900 irrigation project in Mali resulting in better crops and improved health.
- D-1930 clean drinking water from wells and filters for 500 families in Brazil.
- D-1940 toilets and latrines to reduce disease among school children in Argentina.
- D-1950 wells, pumps, pipes and filters in Nigeria and in Tanzania.
- D-1840, 1880, 1930 are engaged in a joint project to bring safe water to a hospital, several schools and a community of 5000 near Kilimanjaro.

Zone 15 - Z.C. Britta C.P. Wallgren

Only two districts have reported water/sanitation projects in this zone:

- D-1390 - Several clubs from this district are providing water purification for about 300 schools in India for the benefit for some 40,000 pupils. Another project, implemented jointly with WaterFinns, at a cost of about \$104,000 will bring safe water to some 20 villages in Tanzania for the benefit of about 50,000 people especially women and children.
- D-2330 improving toilets in a boarding school, and providing tanks for rainwater harvesting at a hospital in Tanzania

Zone 16 - Z.C. John Callesoe

- D-1440, R.C. of Bjerringbro reports a major water project in conjunction with the R.C. of Newcastle-Majuba (D-2940) South Africa.
- D-2360; a major focus on safe water in east Africa:-improving the water supply in Tanzania, boreholes in Eritrea and Kenya benefiting, in total, some 16,000 people.

Zone 17 - Z.C. Ian G. Rule

The only report from this zone is from D-1020 where seven clubs supported a water project in Cambodia and a schools water project in India.

Zone 18 - Z.C. Robert Browning

The focus in this zone is primarily on disaster response and support for Aqua Boxes. Other clubs are strong supporters of WaterAid. Beyond that other initiatives have included:

- D-1250; water management system and water harvesting in Kenya.

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- D-1070; donations to WaterAid, wells in Gambia, Uganda, clean water in South Africa and support for AquaBoxes; D-1260; Play Pump wells in Zambia, water tanks in Uganda, sanitary facilities in Cameroun, water wells in India, piped water system in Tanzania.
- D-1110; support for “Wells for India”, boreholes in Nigeria, rainwater harvesting in Rajasthan, clean water for a health clinic in Togo, water tank in Sri Lanka.

Zone 19 - Z.C. Waldyr Galera

Irrigation programs and provision of potable water to the indigenous population are reported by D-4800

Zone 21A - Z.C. Jorge Aufranc

The top water project reported in this zone is the “Children’s Safe Water Alliance” of D-4060. This project started four years ago. It has brought safe water to over 10,000 families. But, it is more than water. It has been the development of a scaleable model to transfer safe water technology and behavioural change to families in developing countries.

Zone 22 East - Z.C. Paul Bealieu

- Seventy percent of clubs in D-6330 are involved in water/sanitation projects. 22 clubs are cooperating with clubs in D-6290 to install bio-sand filters in the Dominican Republic. Five clubs support Aqua Box. 12 clubs are involved with water well projects in the Camerouns, South Africa, Mexico, El Salvador, and Egypt. Other Rotarians are engaged in rainwater harvesting projects in Arusha, Tanzania where 12 schools have been provided with tanks, hand washing stations and latrines.
- D-7040 has launched the “One Village at a Time” project to bring water and improved health and economic well-being to the people in the Bonsaaso cluster of villages in the Ashanti region of Ghana. The project will ultimately impact over 30,000 people in 45 villages covering an area of 320 sq. kms.
- D-7090 is committed to the “Water for Life” project in Haiti the object of which is to provide safe water to 128 villages and 100,000 people. The project involves drilling wells, pipelines, cisterns, filters and spring cappings.

This district is also supporting water/sanitation projects in Panama, Dominican Republic, El Salvador, Guyana.

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Zone 22 West - Z.C. Del W. Paterson

Several districts in this zone report active water/sanitation projects:

- D-5010 is involved with D-4690 in Cochabamba, and in Nairobi
- D-5040, with support from CRCID is working on water, sanitation and health care in Ethiopia, Uganda and Kenya. In Uganda alone it is estimated that more than 50,000 people will benefit from Rotary's activities.
- D-5060 is leading the non-host initiative in the Nakuru sustainable water supply and sanitation project, and a water pump project in Addis Ababa. Other water projects supported by this district are located in Honduras (irrigation), Thailand (sewers) and India (wells).
- D-5360 under the leadership of Bob Wiens reports 13 projects - wells, slow sand filters, and latrines in Tanzania, Indonesia, Uganda, Dominican Republic, India, Peru and Ghana benefiting some 26,000 people.
- D-5050, working with Pure Water for the World is supplying slow sand filters in Ecuador

Zone 23 - Z.C. Rosemary Barker Aragon

This zone has a very extensive range of projects in all major water-stressed regions. The most significant is the Ethiopian Water Project led by the R.C. of University District of Seattle (D-5030):

- Phase 1 of this program embraced 23 individual projects and brought water to a population of 50,000 plus livestock.
- Phase 2, now being launched will comprise 14 projects and will serve another 50,000 people.
- Phase 3 is in the planning stage. It will have a budget of some \$2 million with support from the Hilton Foundation and World Vision.

Other projects supported by this zone include:

- Gravity-fed water system (16 kms), sand filtration and latrines to benefit 1100 people.
- 300 m. pipeline, storage tanks and faucets in Guatemala.
- Rainwater harvesting system, 35 cisterns in Paraiba, Brazil.

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- Re-building water, latrines and waste management systems for 21,000 people in a Pakistan earthquake area; jointly with R.C, Islamabad, and CARE International.
- A \$500,000 initiative in Uganda.
- “Maji Safi” clean water project in Southern Tanzania.
- Jointly with Water for People, to supply hand pumps and water windmills.
- Digging wells in Zambia to bring water to 20,000 people.
- Building 50 check dams to enable the community to harvest 2 or 3 crops a year.

Zone 24 - Z.C. Gloria Clinton

More successes for west-coast districts and clubs—this zone reports a large number of significant water projects throughout the Rotary world. The most notable are:

- D-5000 (Hawaii) clubs are supporting a number of schools water initiatives-rainwater catchment, wells, filtration, toilets in Uganda, Thailand, Philippines, India, Palau, Bolivia and Micronesia.
- Twenty-six clubs in D-5300 are supporting water projects in India, Thailand, Bolivia, Honduras, Nepal, Malawi, Guatemala. They include water systems, personal hygiene, latrines, bore-wells, filter systems.
- D-5330 clubs are supporting water projects - bore wells, filtration, purification in Honduras, Kenya, Nigeria, Ecuador.
- In D-5340 the R.C. of Torrey Pines is committed to water projects in Kenya, Mexico,

Zone 25-Z.C. Charles R. Peterson

Another zone which has sprung to life under this year’s leadership:

- D-5390 - projects in Brazil, Pakistan, Thailand, Kyrgyzstan—toilets, pipeline, water treatment, wells and hand pumps.
- D-5470 is helping to provide sand filters, pumps and storage tanks, piping and solar panels to a number of communities in Mexico.
- D-5450 publishes a list of available projects to encourage participation. As a result 18 of the clubs are working on water initiatives.

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- D-5490 - 26 clubs out of 37 in this district are implementing water/sanitation projects. The most significant is a water well and infrastructure project in Masai country, Kenya, in conjunction with the R.C. of Maralal. Other projects include biosand filters in the Dominican Republic, cisterns in Guatemala, and storage tanks in Mexico.
- D-5520 fresh water and sewage disposal system in schools and water saving project in Mexico. Watershed clean-up on the Santa Fe River (Arizona).
- D-5520 several safe drinking water projects in Mexico - for a hospital, for native peoples.
- D-5630-supplying 10 elementary schools with safe drinking water.
- D-5690 - wells in the Philippines, rainwater harvesting in India, wells in Viet Nam, solar-powered pump in Haiti. are being supported by this district.

Zone 26 - Z.C. Charles E. Clemmons

- In a previous report we noted that the "Water is Life" Rotary GALA in Dallas, hosted by D-5810, was a major event in this zone. Nearly 575 people were in attendance. All of District 5810's 61 clubs participated in the Global Safe Clean Water Initiative. Seventy people plus Broadway entertainer Marvin Hamlisch invested in water wells. The event netted more than \$75,000 which will be put to work in water wells and other water projects. We estimate that more than 25,000 people in the third world will benefit.
- D-5840 working with US AID and World Vision and the Honduras Water Authority are bringing drinking water to 3,000 families, about 12,000 people.
- D-5890 is supporting the R.C. of Karachi to install water wells in 303 remote villages in Pakistan.
- D-5910 is helping the drilling of 40 wells in Nicaragua.
- In a previous report we documented the work of D-5840 with US AID, World Vision and Texas Water Mission in bringing fresh drinking water to some 12000 people in Honduras

Zone 27 - Z.C. Holly Callen

Many districts report active water/sanitation projects—especially in the Caribbean and Latin America.

- D-6270 is helping to build a pump platform and water reservoir for the Caprofors vocational school to benefit 300 students.

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- D-5950: All the clubs in this district are cooperating with World Vision, Haiti Outreach and the Hilton Foundation in the “Safe Water Plus” program in Haiti. When completed, 75 new wells will have been drilled, 66 existing wells repaired, 1200 latrines built and 141 villages will have been trained in proper sanitation and personal hygiene. In addition 17 clubs are engaged in providing well-drilling equipment, filters, cisterns in Haiti, Philippines, Guatemala, Ecuador and Honduras.
- D-6000 clubs are participating in 17 water projects drilling wells, supplying water tanks and installing pumps in India, Mali, El Salvador, Tanzania, Peru, Honduras and Tanzania.
- D-6450 is working closely with D-5950 in Haiti. Total funding for this program amounts to about \$2 million.

Zone 28 - Z.C. Lawrence Wright

A major initiative in this zone was the “Thirsting to Serve-2007 International Water Conference” on February 19th. Hosted by D-6290 this annual event is receiving wide attention and attracting internationally recognized speakers. The focus of the conference is the BioSand filter but also covers other water/sanitation issues.

At least 9 of the 14 districts are actively working on clean water projects and awareness:

- D-6330 raised over \$10,000 to purchase filters for the Dominican Republic.
- D-6360 is supplying Bio-sand filters for the Dominican Republic.
- D-6380 is funding the drilling of 10 deep wells in Caloocan City, Philippines.
- D-6400 also supported the conference.
- D-6600 has established a Global Satellite Water-Finding Office (WFO) to use remote sensing to locate groundwater sources and to educate people about water stewardship.
- D-6650 has been supporting rainwater harvesting projects in India.
- D-7300 is encouraging all Rotarians to “Own a Well” in Nicaragua in support of the R.C. of Tulsa.

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Zone 29 - Z.C. Jane Molloy

- D-5710—Eight clubs are working together to bring safe water to communities in Panama. Other clubs are committed to a school water project (tanks and pumps) Kenya, water tanks and toilet facilities in Cambodia and Viet Nam, check dams in India. Other clubs are committed to water projects in their local community including one to educate children on pollution and conservation.
- D-6110—The R.C. of Tulsa is leading a multi-club, multi-district project to drill wells in Honduras. Since 2003 over 85 wells have been completed. Over 20,000 people are benefiting from this program: a reduction in water-borne disease, enhancing small-scale gardening and enabling children to attend school when they no longer have to gather and haul water.
- D-6490 has two water well projects in Malawi and Nigeria.
- D-6840 is focused on rebuilding sewer system following hurricane damage.

Zone 30 - Z.C. Jerry Fox

A number of activities have been reported by this zone since the last report:

- D-6560 building latrines and a water reservoir in Ghana and a water purification project in Haiti.
- D-6580: This district has many active water projects. 11 clubs are supporting a project in Mexico to bring safe water to a community of 400 families. One project is building a pipeline to bring water to individual homes in El Salvador from a river three miles distant. Another, also in El Salvador, is providing a 24-hour water supply to a school of 200 students. The R.C. of Bloomington is implementing a project to supply water to 1500 families in south-west Uganda.
- D-6670 (10 clubs involved) water wells and pumps, sanitation and latrines in India, South Africa, Kenya, Philippines, Honduras, and Indonesia.
- Working with “Honduras Rural Water and Sanitation Project”.
- D-6690 has 9 clubs working on a diversity of initiatives: water wells, sanitation, latrines, pumps, in schools, orphanages in Indonesia, Kenya, Honduras, Philippines, Mauritania, Niger.
- D-6860 constructing wells and latrines in Zimbabwe.

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Zone 31 - Z.C. Carolyn Crowley-Meub.

This zone coordinator is an active member of “Pure Water for the World”. Consequently she is able to create a number of synergies for Rotary clubs seeking water projects. This is seen in the activity in many districts:

- D-7040 supplying filters in the Dominican Republic, water tanks for schools in El Salvador, building latrines in Nicaragua.
- D-7150 - 20 clubs are providing filters, drilling wells or rainwater harvesting I El Salvador, Argentina, Honduras, India, Philippines, Ghana, Malawi.
- D-7170 - All clubs have been asked to participate in the CWIP (Clean Water Initiative Project) initiated in Zones 2 and 24.
- D-7850 is the driving force behind the “Eradicate Guinea Worm” initiative jointly with The Carter Foundation and TRF.
- D-7890—Most clubs have committed to a water project in Honduras, Guatemala, Ghana, Argentina, Nigeria, Haiti, Nicaragua and Tanzania. Projects include installing filters, digging wells, cleaning up a polluted river.
- D-7930—Supplying 1400 filters to purify the water to 8400 people in Honduras.
- D-7950 is working with the R.C. of Yannawa, Bangkok and the R.C. of Phnom Phen, to implement a major water initiative in Cambodia. The scale of this project is such that input from other clubs/districts would be welcomed. This district is also supporting the manufacture of bio-sand filters in Honduras.

Zone 32 - Z.C. Bangalore Lakshman

Most districts in this zone report active involvement in water projects in the developing world:

- D-7210 More than 50% of the clubs participated in four water projects. Twenty-four clubs combined to raise \$18,300 for bio-sand filters in 2500 homes (9,000 people) in rural communities in Honduras. Ten clubs raised \$35,000 to provide a clean drinking water system (tanks, piping, bottling, and filters) for an orphanage in Thailand. Twelve clubs raised \$8,000 for bio-sand filters for 1800 families (10,000 people) in El Salvador.
- D-7390-drilling 20 water wells in Ghana, drilling wells, water distribution and reforestation in Nicaragua, water purification in Honduras, planning to drill 100 wells in Ghana.

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- D-7430 providing filters to schools in the Ukraine and Peru; drilling a well to provide water to a school of 1,000 students in India.
- D-7450, R.C. of Philadelphia, with support from R.Cs of New York and Sacramento is working with KUSH International, a Sudanese-American based organization to address the roots of the conflict in Darfur. Its water initiative is a critical part of an effort to resettle the Southern Sudan after 20 years of conflict. Supplying water to the Ngok Dinka is enabling them to return home. Access to safe water is the root of the ethnic conflict in the Sudan. As part of this program local Rotarians are supporting efforts to form a Rotary club in Abyei, Sudan. Another project of this district is water well drilling and purification for a hospital in Nigeria serving 2,000 people.
- D-7470-Nineteen clubs in this district are active in two major projects. One group is constructing deep wells and supplying sand filters in Uganda. The other is providing sand filters to a community in Nicaragua. Two other clubs are active in Haiti and the Dominican Republic.
- D-7490 reports that 38 clubs are already committed to water projects. They include - safe drinking water to a leprosy clinic in Egypt, prevention of soil erosion, bore wells and dug wells in Uganda, pipelines in Swaziland, wells for an orphanage in Haiti, artesian wells in the Philippines.
- D-7500—Another example of several clubs working together to achieve some leverage. In this case eight clubs are supporting a water project with D- 4240 Leon, Nicaragua.
- D-7620-implemented a well and water distribution system in Afghanistan, provided 400 sand filters in Honduras and supplied water tanks and purifier to 21 schools in Rajkot, India.

Zone 33 - Z.C. Malcom W. Huckabee

No reports have been received from this zone during the year. However we understand that several districts are engaged in water initiatives. The most interesting is the R.C. of Gastonia (D-7680) which is working with Habitat for Humanity to build and renovate 150 houses in Copan Ruinas, Honduras. Included in this project is the capturing, treating and piping of water to each hut, and the building of a latrine for each family. As a result of this project, girls aged 6 to 13 are attending school for the first time. Notable for this project is the number of cooperating organizations including R.C. Copan Ruinas (D-4250), the local municipality, R.C. of Fort Mill (D-7750), R.C. Corvallis Morning (D-5110), Mayan Indigenous National council, Peace Corps, Water for People, UNICEF, R.C. Columbus Capitol Square (D-6690)

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Zone 34-Z.C. Robert Shelley III

Much is happening in this zone since the appointment of this zone coordinator. In this brief summary it is impossible to do justice to all the activities and events.

The major initiative is the series of water projects in Tajikistan and Kyrgyzstan involving over 30 clubs from D-6960, 6950, 6980, 5390, 6560, from this zone and D-2430. Cooperating organizations include CARE and Intelligentsia International Inc. The projects included surface water collection, piping, storage and distribution. Seven villages have clean drinking water at several points in the village, thus eliminating the need to carry water from remote sources.

Other outcomes include an increase in the supply of potable water, small scale agricultural production, improved hygiene and sanitation. Most significant of all; the villagers developed a capacity to organize themselves to provide manual labor and to form a Water Users Association.

Other projects include:

- D-6890-clean water projects in Nigeria, Venezuela, Kyrgyzstan, Dominica.
- D-6900-cleaning-up local creeks and parks; water, sanitation and education in villages in Kenya to improve the health of over 400,000 people.
- D-6930 - R.C. Boca Raton Sunrise is providing 600 bio-sand filters and hygiene training to 100 schools in Haiti -15,000-20,000 students will benefit from the project.
- D-6950 is also involved in the Tajikistan water project.
- D-6960 is implementing 54 water systems in Nigeria and village drinking water system in Tajikistan benefiting 26,000 people.
- D-6970 several clubs have combined o work with the NGO “Sustainable Cambodia” to drill wells. Other clubs are supplying and training about 10,000 people in the use of sand filters in Dominican Republic; purchasing 30 water tanks for Amerindian families to facilitate rainwater harvesting in Guyana.
- D-6980 is also involved in the Tajikistan project.
- D-6990-well drilling in Honduras.

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In summary, Rotarians are responding to your call and that of your predecessors to focus on water and “Lead the Way” as we “Share Rotary”. Much still remains to be done however. Many clubs still are unable to identify and implement a water project—even with the assistance of other Rotary clubs in the district or after hearing requests from Rotarians in Africa, Asia and Latin America. We believe that the formation of the Water and Sanitation Rotarian Action Group, working closely with the respective Water Resource Group coordinators, will provide the leverage and knowledge needed to address this humanitarian challenge more effectively.

Respectfully submitted,
Ron Denham, General Coordinator,
Water Resource Group, 2006-07

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