

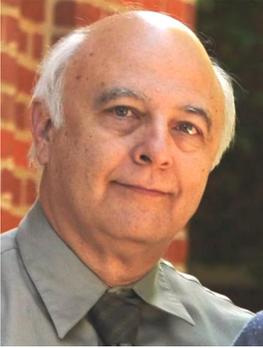


# AHEAD ENERGY

ENERGY FOR AFRICAN DEVELOPMENT

## ANNUAL REPORT 2011/2012

### REPORT OF THE BOARD CHAIRMAN, BEN W. EBENHACK



It has been a productive year for AHEAD Energy. A primary task was preparing for a milestone transition in leadership and mission. In January, the Board of Directors took action to transition to new leadership, focus the organization on new energy-for-development technologies, and move AHEAD's headquarters back to Rochester, New York.

As of June 1, Mr. M. **James Grieve**, Senior Research Scientist at Delphi Research, will assume the position of Chairman of the Board. We are pleased to welcome two other new board members as well. Mr. **Manfred Niethammer**, a consultant on international business development, will serve as Vice Chair. Ms. **Eleanor Rusling**, a seasoned secondary education teacher with experience in international work, will assume the duties of Board Treasurer. These three new members will head up a 'working board' that will meet frequently with others residing in the Rochester, NY area.

#### **Kudos to long-standing board members**

With the election of new board members comes the resignation of members who have served for many years, including myself. I want to thank outgoing board members **Adam Costanza, Bob Bechtold, Andy Grimm, Karen Fields, and Brian Ausburn**. It has been a pleasure working with these perceptive, dedicated people! Dr. Fields and Mr. Ausburn were among AHEAD's four founding board members – the others being myself and Dr. Sherrill Cleland (now an emeritus member of AHEAD's board).

#### **Appreciation for retiring President/CEO**

Since Dr. **MJ Ebenhack** took the reins as President and CEO of the corporation, AHEAD has succeeded in providing enhanced energy services to thousands of people in Africa and laid a foundation to support further development in the communities in which we've worked. It was extraordinary good fortune for AHEAD

that a seasoned non-profit leader was willing to run the organization full-time, without compensation. Through her dedication, insight, and drive over an eight-year tenure, AHEAD was invigorated and enabled to move forward. I am sure that we all join in extending our profound gratitude to MJ for her selfless devotion to AHEAD.

#### **2012 Year of Sustainable Energy for All**

AHEAD has focused significant effort this year on promoting the UN's Year of Sustainable Energy for All. We have taken the lead in planning and coordinating activities for the Mid-Ohio Valley observance. The Marietta Action Team, set up last year, transitioned into a Steering Committee for this endeavor, meeting regularly to plan activities for the Year and coordinating efforts between Marietta College, Washington State Community College, and West Virginia University – Parkersburg.

#### **Strategic transition: an end and a beginning**

My exit from AHEAD is bitter sweet. The vision laid out in 1988 is still vital and I am gratified to see the shift in global perception of the fundamental role that energy plays in development. Certainly, AHEAD has played a part in raising this new awareness. Much of the work I have recently pursued, i.e., planning energy transitions and optimizing energy mix solutions, will be incorporated into projects in the Sustainable Energy Systems program at Marietta College.

It has been an honor to have shaped AHEAD's important mission. While I will certainly miss my involvement with AHEAD, I am gratified that others have risen to the challenge. I look forward to seeing the new directions the organization will take and the successes that will be achieved. As I pass on the baton, I wish them the very best. I look forward to the next Chairman's report from James Grieve.

# REPORT OF THE PRESIDENT AND CHIEF EXECUTIVE OFFICER DR. MARY JEANETTE EBENHACK



As I complete eight years of service as President and CEO of AHEAD Energy I recall fondly the many people that I've had the privilege to work with. These include members of AHEAD's board of directors, student and community volunteers, donors and foundation staff, vendors that we have worked with, colleagues at other nonprofits and NGOs, and most

especially our partners in Africa. All have enriched my life.

I am grateful that my time at AHEAD Energy coincided with the communications revolution that allowed me to be in daily contact with stakeholders around the world. Working with people from multiple continents has been an amazing experience. The ability to network more and more easily bodes well for achieving the vision that AHEAD has pursued for 24 years – a world in which universal access to energy, as well as its wise stewardship, enables all people to attain a high quality of life on a thriving planet.

I am encouraged by the international community's recent commitments to make access to clean, affordable, dependable energy service a priority. It is also encouraging to see the many groups that are now involved in energy development in Africa and other low-income countries, and the technological innovations that are emerging. This all bodes well for improving the lot of the world's most vulnerable.

## Project wrap up

Our primary objective over the last few months has been to wrap up projects initiated under my leadership. I am pleased to report that we have been able to complete projects at several locations.

### *Arlington Academy of Hope (AAH)*

AHEAD worked with Green Heat Uganda at AAH to build a biolatrine and biodigester. AAH's biolatrine feeds directly into the biodigester. Animal wastes from the farm are also fed into the biodigester daily. Two biogas stoves were supplied for the school kitchen as part of the project. Green Heat proprietor Vianney Tumwesige has made several trips back to the site to make educational presentation to students and community members, and to help staff learn how to manage the system.

### *Kagando Rural Development Center (KARUDEC)*

AHEAD's primary project at Kagando Rural Development Center this year was to install a biodigester to convert animal wastes from the demonstration farm into biogas and crop fertilizer. The biogas is piped to institutional kitchens at the hospital to replace cooking with firewood. Again, we have had a good working partnership with Green Heat Uganda. Additionally, we rejoice that the funds to rehabilitate KARUDEC's hydroelectric system have been secured and that this project is moving forward.

### *The Hunger Project, Iganga, Uganda*

AHEAD worked with Marietta College students this academic year to raise \$5000 for a solar vaccine refrigerator for the Hunger Project. By the end of May we reached our goal and the refrigerator, solar panels, and security lights were installed. Having the refrigerator allows the clinic to keep common medicines on hand rather than sending a courier to pick them up from another town. Again, we worked with a local vendor – Uganda Solar Power Supplies – and received excellent service from proprietor Osbert Tindimwebwa.



AHEAD field staff João Venâncio (center), João Chidamoio (right), and Filipe Matavel (left) install a wind turbine donated by Jetpro Technology at Machubo Secondary School, Mozambique.

### *Machubo Secondary School, Mozambique*

The donation of a hybrid (solar/wind) electricity generating system and 90 rechargeable lights from Jetpro Technology, Inc. allowed AHEAD to complete a lighting project at Machubo Secondary School in Mozambique. AHEAD field staff João Chidamoio and João Venâncio worked with the Ministry of Education to select a school, and set up the system in a rural area that is completely without electricity. Students bring their "pocket lights" to school with them each day where they are charged. By the time they leave school, the lights are fully charged!



Biodigester construction underway at Kagando Rural Development Center, Kasese, Uganda.

### Circle of Peace School, Makindye Uganda

Under the supervision of University of Colorado engineering students Andy Hemphill and Ankit Sharma, two solar thermal hot water heaters were installed at the school last summer. The Rocket stoves with water tanks embedded in the chimneys (constructed in 2009) were removed and new institutional stoves were built. Two replacement filters were provided to the School for their water purifier. Circuitry for the solar PV system was repositioned to keep it safe from rodents.

### African Gas-Energy Venture Team

AHEAD was contacted by South African Peter Stuart-Thompson, who is heading up an effort to maximize and optimize the use of natural gas to marginalized communities in Africa. His vision is very similar to the original vision for AHEAD Energy. AHEAD has been invited to participate in this venture and a committee has been set up for this purpose, chaired by Ben Ebenhack.

### Networking and assistance to others

AHEAD often is contacted by organizations in Africa and other parts of the world that need assistance. Because of our history, contacts, and broad knowledge, we are able to point others in a helpful direction even if we cannot offer direct assistance. One such request came this year from the United Nations Foundation that was gathering information about the impact of lights on learning.

### Human Resources

**Andy Knauff**, a Marietta College student majoring in Advertising, Marketing and Public Relations worked for AHEAD the past academic year to orchestrate fundraising efforts on the college campus. He was assisted by three McDonough Leadership students. Through their efforts we were able to meet our goal of raising \$5000 for a solar vaccine refrigerator for the Iganga Epicenter Health Clinic.

AHEAD had three student interns working with us this spring in conjunction with the Year of Sustainable Energy for All. **Kambey Akari** (MC sophomore) headed up our Speakers Bureau. **Meagen Rinard**, a senior communications major, was in charge of publicity and public relations, and sophomore **Michael Phillips** coordinated our youth program.



Biolatrine constructed at Arlington Academy of Hope in Bumwalukani Village, Uganda.



### Year of Sustainable Energy for All Mid Ohio observance

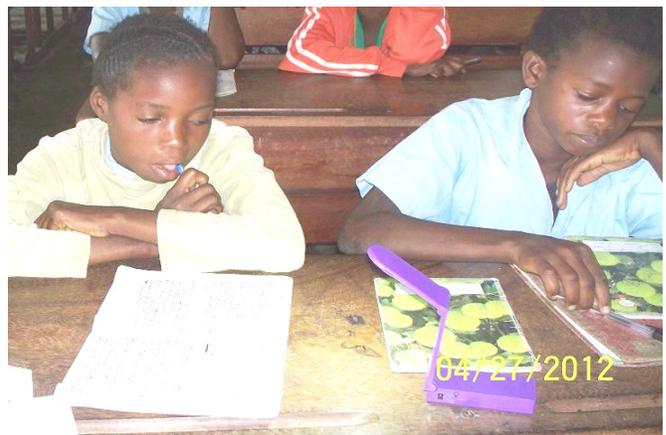
The United Nations General Assembly has designated 2012 as the International Year of Sustainable Energy for All. AHEAD has been pleased to be heading up the observance in the Mid-Ohio Valley (Washington County, OH and Wood County, WV).

When AHEAD was created 24 years ago, energy's role in development was not understood. Today we celebrate the progress that has been made in recognition that access to affordable modern energy services is essential for economic and social health.

We were able to hit the ground running due to our preparations during the summer and fall of 2011. This included drawing together a Steering Committee that has met monthly, engaging three Marietta College interns to assist with the program, and developing a partnership between Marietta College, Washington State Community College, and West Virginia University at Parkersburg.

Our activities have included:

- Developing a local speakers bureau and arranging presentations to community, campus and school groups in the Mid-Ohio Valley
- Developing youth essay and art contests.
- Implementing a communications plan that includes launching a website, publishing monthly e-newsletters, and working with local media channels.
- Offering the class *Sustainable energy for all: local and global issues* for the Learning in Retirement program.
- Staffing booths at two Earth Day events.
- Co-sponsoring energy-related programs at local colleges.



Two girls at Machubo Primary School study with the assistance of a rechargeable Pocket Light.

## FINANCIAL REPORT, JUNE 1, 2011—MAY 31, 2012

We want to thank six foundations who made grants to AHEAD Energy this year: the **Laird Norton Family Foundation**, the **Sisters of St. Joseph Charitable Fund**, the **Oak Foundation**, the **Bernard McDonough Foundation**, the **Erb Family Fund of the Marietta Community Foundation**, and the **Anderson-Rogers Foundation**. In addition, we thank three congregations for their gifts: **Webster (NY) Presbyterian Church** (international second mile giving), **Marietta (OH) First Presbyterian Church** (Alternative Christmas Fair), and the **Mary Circle of Christ United Methodist Church** (Marietta, OH).

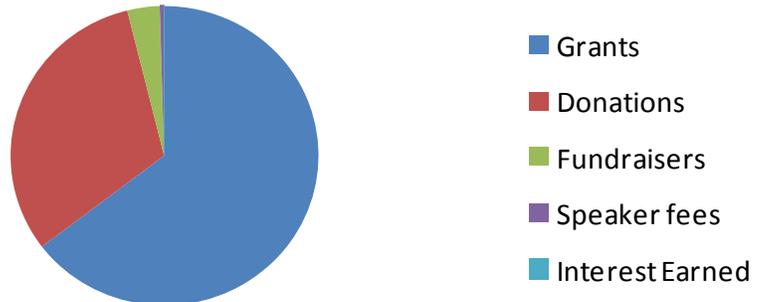
The installation of a hybrid energy system at a rural school in Mozambique was made possible by **Jetpro Technology, Inc.**, which donated a wind turbine, solar panels and rechargeable lights. **Marietta College** has generously provided us office space, utilities and logistical support. Thank you!

### Individual donors

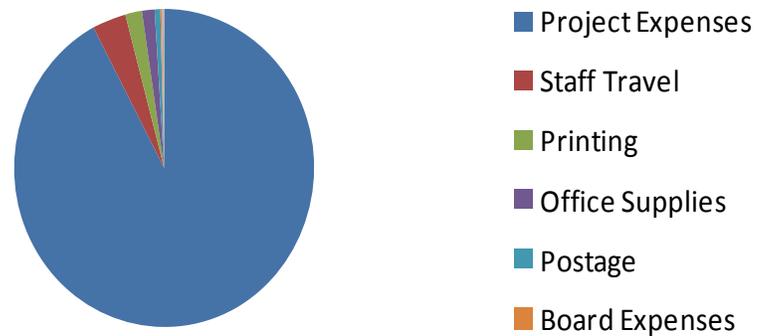
Beverly Seese  
 Barbara Pekema  
 Brandee Norris  
 Brian and Sue Ausburn  
 Carol Norris  
 Daniel Lee  
 David and Rocky Freeman  
 David Scheffer  
 Emerson R Shimp  
 Fraser G. & Barbara J. MacHaffie  
 Gabriel Ankamafio-Adjei  
 Gary S Williams  
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 Scott D Feller  
 Shannon Borchadt  
 Sherrill & Diana Cleland  
 Thor and Susan Olsen  
 William Vincent  
 Yula Highsmith  
 Ben and MJ Ebenhack

We would also like to thank the following fundraising initiatives for partnering with us: **Eco Phones**, **GoodSearch**, **Givology**, **SwipeGood**, and **Advantage Cartridge Co.** Finally we would like to thank all individuals listed in the sidebar who supported AHEAD this past year.

### Cash Income \$42,603



### Cash Expenses \$36,379



### In-kind Income/Expenses \$59,600

