It seems like every year we marvel at how quickly the holiday season is upon us once again. Though it is a busy time of the year, we hope that you will keep in mind all those who are less fortunate than we are. Consider making a philanthropic investment to help people and communities work their way out of poverty and help bring this world yet one step closer to when all people can be happy. In the Foundation’s nearly 15 years of existence, we have invested over $2,000,000 in people and communities around the world. We hope that you will help us in this effort by giving via PayPal at http://www.allpeoplebehappyfoundation.org/donate/ or by sending a check to 1302 Waugh Drive, #257, Houston, Texas 77019-3908.

Opportunity Project
Several years ago, the Foundation decided to look for opportunities to leverage existing relationships. In 2021 an effort to bring solar energy to 111 primary schools in Karagwe and Kyerwa districts of Tanzania was completed. Earlier this year we decided to expand that effort and initiated a new Opportunity Project titled “Solar for Tanzanian Clinics.” In the Karagwe and Kyerwa districts of Tanzania, which have a combined population of 750,000 people, there are 2 hospitals, 6 health centers, and 69 health clinics all operating on low or zero degree of electrification, utilizing intermittent grid power or generators. After an initial survey by Mavuno Project and a needs assessment by the solar company OffGridBox, we decided that Phase 1 will be the solarization of the Kayanga Health Center (53 rooms) and the Rugu Clinic (25 rooms). The solar/clean-water equipment was shipped in from Italy and installed on-site in November. For Kayanga, we used three OffGridBox Mini 5-1200 (total 3 kWP, 3.6 kW inverter, 14.4 kWh battery, 5L/sec ultrafiltration), and for Rugu, we used one Mini 5-500 (0.25 kWp, 0.5 kW inverter, 1.2 kWh battery, 5L/sec ultrafiltration). From now on, up to 400,000 patients per year at Kayanga, and up to 10,000 patients per year at Rugu will have 24/7 electricity and purified water for the foreseeable future.

The lack of clean and safe water in the districts has been responsible for diseases such as typhoid, diarrhea, dysentery, cholera, and worms, and the unreliable electricity in the clinics has been contributing to the deaths of pregnant mothers and babies at childbirth for years.

**Speaking of Clean Water**
Several weeks ago, Houston, Texas was under a boil water mandate for a couple of days. In Jackson, Mississippi, the clean water issue is lasting much longer. In the developed world the response tends to be to provide bottled water for the duration of the crisis. In the developing world there are some “high tech” solutions like the OffGridBox mentioned above, and some lower tech, though equally effective solutions like that offered by Saha Global in remote areas of Ghana. Saha Global helps women entrepreneurs establish clean water businesses by providing plastic tanks and chlorine tablets and the tools and skills they need to test their water. During the pandemic the government mandated that clean water be provided free of charge. During that time clean water consumption went up 6-fold. Now that that mandate has ended, Saha Global must determine a pricing model which will enable people to continue to buy and utilize more clean water, yet with enough income to the entrepreneurs to incentivize them to take time away from their subsistence farming tasks. Saha Global is also exploring becoming a utility, turning the entrepreneurs into employees, and eventually handing the task of providing clean water to the local government. As always it is a fine line, but the health advantages to clean water should make the overall costs worthwhile.