

Subject: HRES Workshop - Empowering African Communities with Solar

From: Craig Wolfe <info@heartlandrenewable.org>

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To: Climate Council Steering Committee <scm@climategkc.org>



Empowering African Communities with Solar

By Mark Hannifan

Sunday, February 2, 10:00 am

All Unitarian-Universalist Forum

All Souls Church, 4500 Walnut St, KCMO

64111

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Wealth Day
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at the Topeka Capitol

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Please join us for a fascinating presentation by Mark Hannifan on how his organization, Sun Partners International (SPI), has added solar, and thus electrical power, to several regions in Africa. This is a joint presentation by the Heartland Renewable Energy Society and the All Souls Unitarian-Universalist Forum. After Mark's presentation, those interested will continue the conversation in the All Souls library.

Sun Partners International is a Kansas City-based 501(c)(3) non-profit organization that

provides technical and financial assistance to implement solar electrification projects to support community health, education, and economic development in developing countries.

To date, SPI has completed projects in Zambia, South Africa, and Tanzania.

Mark Hannifan, founder and president of SPI, will present an overview of inequities of electricity access in the developing world, the vast opportunities for sustainable power systems to provide clean water, refrigeration, lighting, communication and other necessities, and the considerable challenges that must be finessed to bring sustainable power systems in developing countries to fruition and have longevity.

The presentation will include a discussion of recently completed projects, including: a solar-assisted water pumping project in a mega-slum in Lusaka, capital city of Zambia; a solar/battery system for a dormitory for 96 girls at a rural secondary school outside Mwanza, Tanzania; a solar/battery system for a day care for orphans in the Eastern Cape province of South Africa; and an advance solar/lithium-ion battery system for a rural medical hospital in northern Tanzania. The presentation will also discuss upcoming projects scheduled for 2020 and 2021 in Tanzania.

>From a broader perspective, Mark will also discuss the disproportionate impacts of climate change on many regions in Africa, in addition to chronic environmental degradation (e.g. mining, deforestation), with ample time for Q&A.



ABOUT THE SPEAKER.

Mark Hannifan is Senior V.P. of Development with Tradewind Energy Inc., a Kansas City-based developer of utility-scale wind and solar farms. He also is Founder and President of Sun Partners International (<http://www.sunpartners.org>), a Kansas City-based non-profit organization that funds and installs solar power systems in East Africa with a focus on water pumping, medical clinics, and schools. Mark Hannifan has had a career-long focus on renewable energy technologies, including technical and management positions with the National Renewable Energy Laboratory in Golden, CO, Kansas City Power & Light, DynCorp Meridian (a Washington, DC-based energy/environmental consulting firm), and Burns & McDonnell Engineers

See you February 2!!

Craig Wolfe - President
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