DoD and the Haiti Earthquake Response – the case for BRE in non-traditional military missions?

- Impoverished nation with unreliable infrastructure before disaster
- Collapse of power generation/distribution post-quake
- DoD approach to deployable power…fuel based generation
- Can’t leave behind
- Issues with the “ilities”

http://www.boston.com/bostonglobe/photos/photos_galleries/haiti_into_the黑暗/#/1

What if…DoD Disaster Response forces left behind appropriate & sustainable distributed energy generation to augment and back up critical nodes in Haitian infrastructure
The application of BRE throughout the JOpsC enables the JFC to decrease reliance on petroleum-based energy logistics and to build appropriate and sustainable host nation energy capacity.

Overview

• Current Policies and Directives
• Examples of Current Initiatives
• Issues and Opportunities
• Advocacy for Policy Change
• Concluding Remarks
DoD recognizes criticality of Energy and Capacity Building…
But what about the synergy that comes from linking them?
Examples of Current Tech Initiatives

Net Zero Plus

USMC ExFOB at African Lion

PRE-POSITIONED EXPEDITIONARY ASSISTANCE KITS
JOINT CAPABILITY TECHNOLOGY DEMONSTRATION

SPIDERS
SMART POWER INFRASTRUCTURE DEMONSTRATION FOR ENERGY RELIABILITY AND SECURITY
Issues and Opportunities

Photo credits: http://www.self.org
Issues and Opportunities

Trash to energy…
Imagine the remote village or destroyed city with one or a hundred of these systems deployed.

AFRL Transportable Waste-to-Energy System
How to Effect the Needed Policy Change

• Change in culture
• Partnership with the other USG agencies
• Partnership with other nations through security cooperation

• BRE must be addressed throughout all DOD planning and budgeting documents
• BRE requirements must feed up to the acquisition process
Discussion/Questions

DISTRIBUTED GENERATION MICROGRIDS