

REMOTE EMERGENCY GENERATOR MONITORING (REGM)

PROJECT OVERVIEW

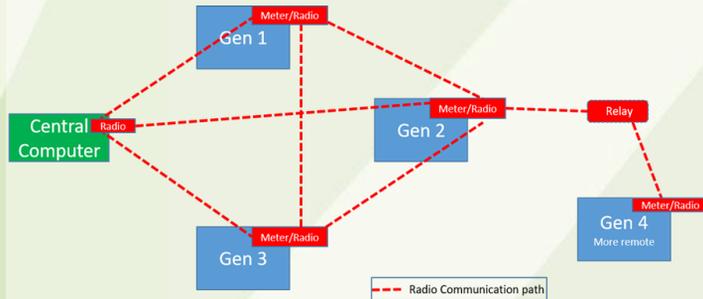
Air permitted emergency generators require monthly operating data and operational accountability, which is currently managed manually. The REGM system connects generator controls via a secure wireless radio nodal communication network to an independent centralized server and allows data recording of generator operational data, for maintenance and recordkeeping purposes through a customized interface.

BENEFITS

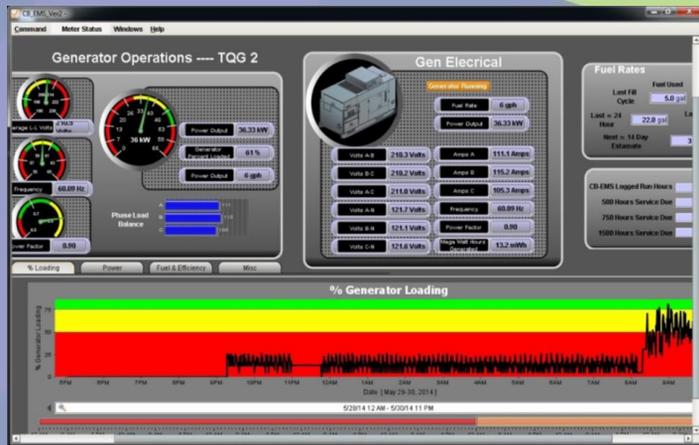
This monitoring system will allow DoD installation environmental managers and engine maintenance personnel to remotely access operational and conditional aspects of emergency generators. It will reduce compliance and engine maintenance costs with a 2.5 year payback. It will also avoid compliance enforcement fines through immediate notification of non-permitted use.

PATH FORWARD

A technology demonstration is planned for FY21 at Naval Surface Warfare Center (NSWC) Crane. A proven REGM system will benefit military facilities with permitted generators through more accurate and lower costing recordkeeping, and increased reliability.



Example of a nodal radio network



Example of dashboard generator interface

DoD Executive Agent

Office of the Assistant Secretary of the Army for Installations, Energy, and Environment

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FOR FURTHER INFORMATION

National Defense Center for Energy and Environment
<http://www.denix.osd.mil/ndcee/home>

Engineer Research and Development Center
<https://www.erd.c.usace.army.mil>