

Introduction

The Massachusetts Department of Energy Resources (DOER) is sponsoring a statewide energy assessment of Massachusetts' military bases. Over the coming year, DOER will work closely with military base staff to identify energy efficiency, renewable energy, and technology piloting opportunities that can reduce base operating costs and increase energy security. The project will help each base take a strategic approach to clean energy opportunities and help bases pursue prioritized projects. Deliverables will include, for each base, an assessment of current conditions, a prioritized project list supported with technical data, and – for selected projects - pre-engineering plans and proposal solicitation documents.

Purpose

Massachusetts and the U.S. Department of Defense (DoD) increasingly share interest in energy efficiency, renewable energy, and leveraging new technologies. The Department of Defense (DoD) is pursuing these opportunities to enhance mission effectiveness, in the field and at fixed bases. Under the leadership of the Patrick-Murray Administration, Massachusetts has become a leading state in promoting renewable energy and energy efficiency, and reducing greenhouse gas emissions. The American Council for an Energy Efficient Economy (ACEEE) ranked Massachusetts as #1 among states for energy efficiency in 2011 and 2012.

“The defense industry and our military bases rely heavily on energy, and it is critical that we develop innovative opportunities to enhance energy efficiency and deliver cost-savings for our bases.”
Lt. Governor Timothy Murray

This project will help Massachusetts' military bases identify and implement energy solutions that lower base operating costs and enhance energy security. In doing so, these solutions will enhance the mission effectiveness at each base. The results will also advance the energy goals of the DoD and the Commonwealth.

Advantages

For each base, the project will leverage local knowledge and priorities to develop a strategic approach to energy opportunities. The project will also help each base pursue prioritized opportunities. Key deliverables will include, for each base:

- An up-to-date assessment of current conditions, integrating existing analyses with new audits/studies, as needed
- Identification and prioritization of energy efficiency, renewable energy, energy security, and new technology piloting solutions best suited to local conditions and missions
- Identification of funding options supporting priority projects, reviewing federal, state, and private-sector sources



- Preparation of procurement documents and supporting pre-engineering technical documentation, to help base staff turn prioritized opportunities into reality

Method

DOER will provide leadership and financial resources to ensure the project generates meaningful outcomes. DOER will:

- Create a Clean Energy Project Team, providing DOER’s policy and technical expertise to guide the project (completed February 2013)
- Hire and manage a consulting team to provide the staffing and expertise needed to assess conditions and develop opportunities at each base
- Manage the project to minimize burdens on base staff. DOER’s Project Manager will ensure all involved listen first, to understand base perspectives and priorities. DOER will then organize the project to limit time demands on base staff. DOER will also set a one-year timeline, to expedite progress toward deliverables and meaningful results.

<p>Bases Covered in the Project Barnes Air National Guard Base, Westfield Hanscom Air Force Base, Bedford Westover Air Reserve Base, Chicopee Natick Soldier Systems Center, Natick Massachusetts Military Reservation, Cape Cod Fort Devens, Devens</p>

Background

The Lieutenant Governor’s Military Asset and Security Strategy Task Force asked DOER to lead this project. The Task Force, chaired by Lieutenant Governor Timothy Murray, is conducting a long term effort to support all Massachusetts military bases. It seeks opportunities to collaborate with our bases and explore opportunities to attract new missions. The Lieutenant Governor leads regular meetings including tours, roundtable discussions, and committee meetings in support of the state’s six military bases. To learn more about the Task Force, please visit www.mass.gov/governor/militarytaskforce.

DOER is a state agency with a mandate to analyze and develop policies and programs to ensure that Massachusetts citizens have adequate, diverse energy supplies, at a reasonable cost, with a minimal impact on the environment. To that end, DOER strives to create a cleaner energy future for the Commonwealth, economically and environmentally. To learn more, please visit www.mass.gov/doer.

Arthur Robert is DOER’s Project Manager. Art brings a unique blend of experience to this project, including a military career that involved numerous leadership roles, deep experience with clean energy issues and companies, and extensive work with the military base realignment and closure process. Contact Arthur with any questions, at 617.626.7832 or Arthur.Robert@state.ma.us.