



Draft

Environmental Impact Statement /
Overseas Environmental Impact Statement

GUAM AND CNMI MILITARY RELOCATION

Relocating Marines from Okinawa,
Visiting Aircraft Carrier Berthing, and
Army Air and Missile Defense Task Force

Volume 6: Related Actions – Utilities and Roadway Projects

November 2009

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Guam and CNMI Military Relocation EIS/OEIS

Volume 6: Related Actions – Utilities and Roadway Projects (Guam)

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CHAPTER 1.

PURPOSE OF AND NEED FOR ACTION

Volume 6 of the Guam and Commonwealth of the Northern Mariana Islands (CNMI) Military Relocation Environmental Impact Statement/Overseas Environmental Impact Statement (EIS/OEIS) evaluates proposed utilities and roadway improvements on Guam.

The proposed military buildup on Guam associated with the relocation of the United States (U.S.) Marine Corps (Marine Corps), the Navy aircraft carrier berthing, and the Army Air and Missile Defense Task Force (AMDTF) would increase the demand for power, potable water, and wastewater utilities. The buildup would also affect the remaining life of existing solid waste facilities and the demand for the new Government of Guam (GovGuam) Layon Landfill in Dandan. The proposed actions would also require roadway improvements.

For utilities, the Navy conducted several studies to identify the Guam utility improvements required to accommodate the proposed action. These included a study for power, potable water, wastewater, and solid waste. The utility studies sought to quantify the increased Department of Defense (DoD) demand that would result from the military buildup, and to develop utility solutions to meet those projected demands. The populations on which these utility studies were based are summarized in the individual utility studies (HDR|Hawaii Pacific Engineers 2008; NAVFAC Pacific 2008b, c). These studies accounted for projected increases in DoD personnel, increases in the on-base civilian workforce required to support the military buildup, and construction worker demands while working on base that were known at the time. Subsequent supplementary analysis letter reports (NAVFAC Pacific 2009a, b, c) were prepared to document the changes between the power, potable water, and wastewater utility discussions presented in this Draft Environmental Impact Statement (DEIS) and the original studies.

The roadway improvements sections have been prepared jointly by the Federal Highway Administration (FHWA) as a federal cooperating agency, the Navy's Joint Guam Program Office as the federal lead agency for the Guam and CNMI military relocation, and the Guam Department of Public Works (DPW) as a participating agency.

The utilities and off-base roadway improvements are considered "related actions," in that they would be implemented only to satisfy the increased demand directly caused by the overall proposed actions. Therefore, the purpose of and need for the utilities and roadway improvements support the purpose of and need for each of the three major action components described in the following volumes:

- Volume 2 (Marine Corps Relocation Guam)
- Volume 4 (Aircraft Carrier Berthing)
- Volume 5 (Army AMDTF)

The purpose of and need for each major action component is described in Chapter 1 of each of those volumes. The purpose of and need for the utilities are to provide for the essential increased utility demands from the DoD buildup and induced growth. The purpose of and need for roadway improvements is described later in this chapter.