



Guam Construction Overview Brief

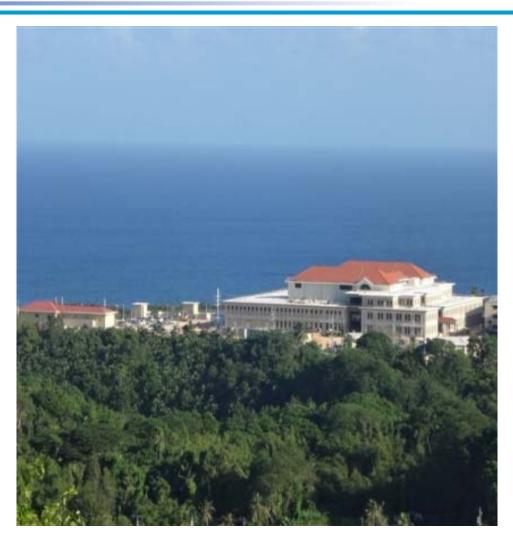
As of 1 Oct 2015







- Guam Overview
- Marine Relocation
- Investment Programs
- Challenges



Naval Hospital



Guam at a Glance



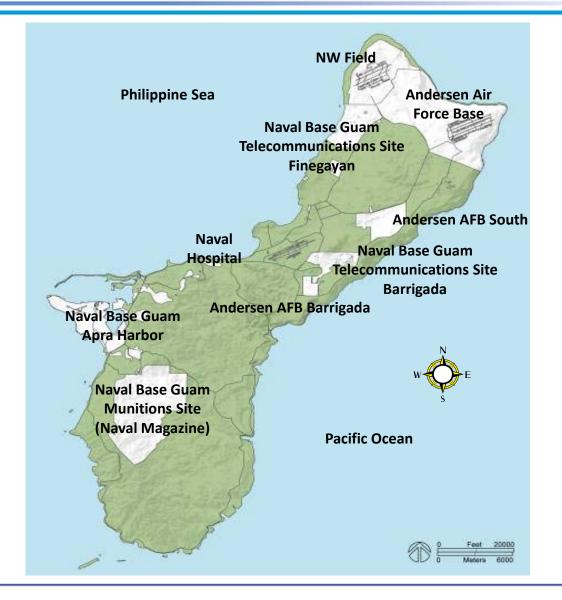
- Guam is a US Territory
 - People of Guam are US citizens, but don't vote in Presidential elections
- Total Land Area: 212 square miles
 - -3x the size of Washington DC; 1/7 the size of Rhode Island
- Climate is tropical marine
 - -Temps range between 77 and 86 °F year-round
- Defense spending and tourism are the major drivers of Guam's economy
 - \$2B of federal spending (defense & non-defense) in 2014 (40% of GDP)





Joint Region Marianas Locations







NAVFAC Marianas Military Facility Management



- Infrastructure and services supporting operational units, service members, and families assigned to military installations, e.g:
 - Public works (utilities, services, maintenance, repairs)
 - Construction/Engineering
 - Environmental
 - Transportation
- <u>Not</u> the ships, subs, and aircraft
- Big business:
 - 500 Gov't Civilians (+/-)
 - 170 Navy & USAF Military (+/-)
 - Hundreds of contractors







Defense Policy Review Initiative (DPRI) Overview



Intent - Relocate Marines from Okinawa to Guam

- 2006 Roadmap:
 Approx. 8,600
 Marines plus 9,000
 dependents
- 2012 Adjustment: Approx. 5,000 Marines plus 1,300 dependents

Today's Plan

- Fewer Marines stationed on Guam, more Marines deployed on a temporary rotation
- Reduced number of Marines and dependents opened up more options







In Feb 2011, Undersecretary of the Navy Robert Work committed to Four Pillars to address GovGuam concerns about the USMC Relocation.

One Guam

Improvements to Guam infrastructure impacted by the relocation (port, roads, water, wastewater, power)

Green Guam

- Develop and secure funding for green programs
- "Net Zero" energy for DoD bases on Guam over time



24/7 Unimpeded Access to Pagat Village/Pagat Cave

- LFTRC relocated to Northwest Field to eliminate access concerns

Net Negative or Net Minus DoD Footprint

- Goal for a reduced DoD footprint of Guam



Guam DPRI Overview



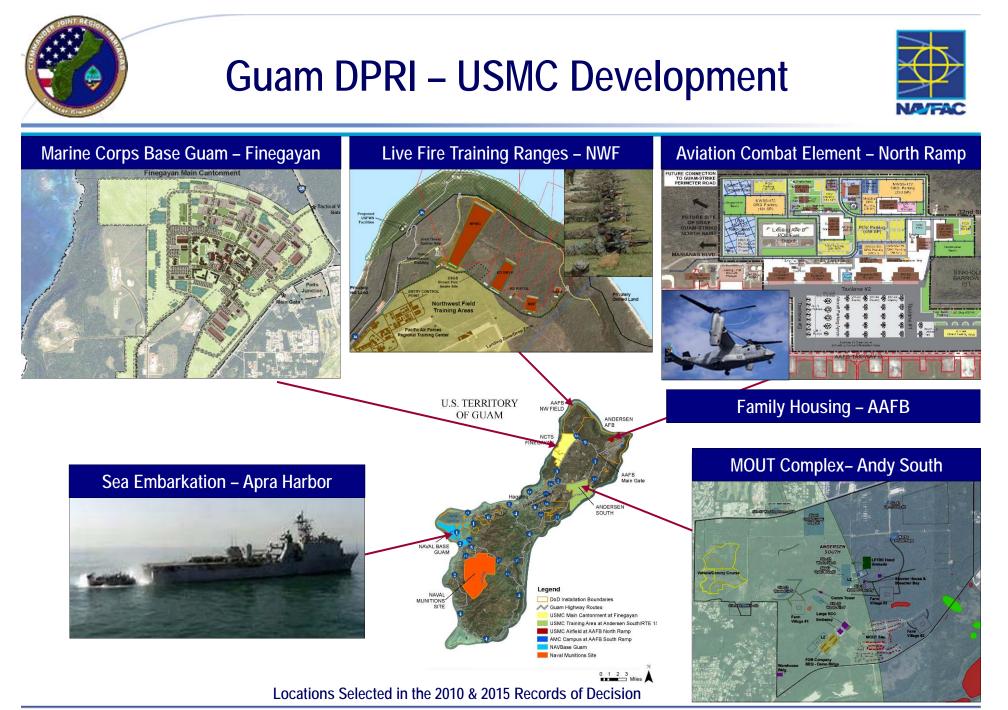
2010 Record of Decision

- Aviation Mobility Command Complex (air embarkation facilities) and development of North Gate / access road at Andersen AFB (AAFB)
- Wharf improvements at Navy Base Guam (NBG)
- Military Operations on Urban Terrain (MOUT) complex and maneuver training ranges at Andersen South

2015 Record of Decision

- 2010 Decision stands for the items mentioned above
- USMC main base cantonment at NCTS Finegayan
- Family housing area at AAFB (replace existing housing)
- Live-fire training range complex at Northwest Field (AAFB)
- Stand-alone hand grenade range at Andersen South
- Construction implemented over 13 years
- Additional investment in community infrastructure by OEA, FHWA, etc

• Construction cost being shared with the Government of Japan





Current DPRI Projects

\$119M

\$ 13M

\$ 20M

\$ 82M

\$ 38M

\$ 96M

\$ 32M

\$ 24M

\$ 86M

\$112M



Completed

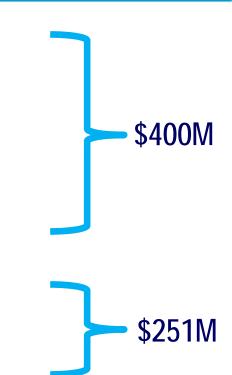
- P-204 Apra Wharf I
- P-1003 Military Working Dog Relocation
- P-100 North Ramp Utilities Phase I
- P-101 North Ramp Parking Phase I
- P-204A Apra Wharf II
- J-001 Apra Harbor Infrastructure
- J-001A AAFB Gate and Fac

Awarded / Under Construction

- P-101A North Ramp Parking Phase II
- P-109 Aircraft Hangar #1
- J-200 North Ramp Utilities Phase II
- P-240 Marine Wing Support Squadron Fac \$ 29M

Solicitation / Pending Award

- J-001B Cantonment Utilities & Site Imp
- P-230 Ground Support Equipment Shops







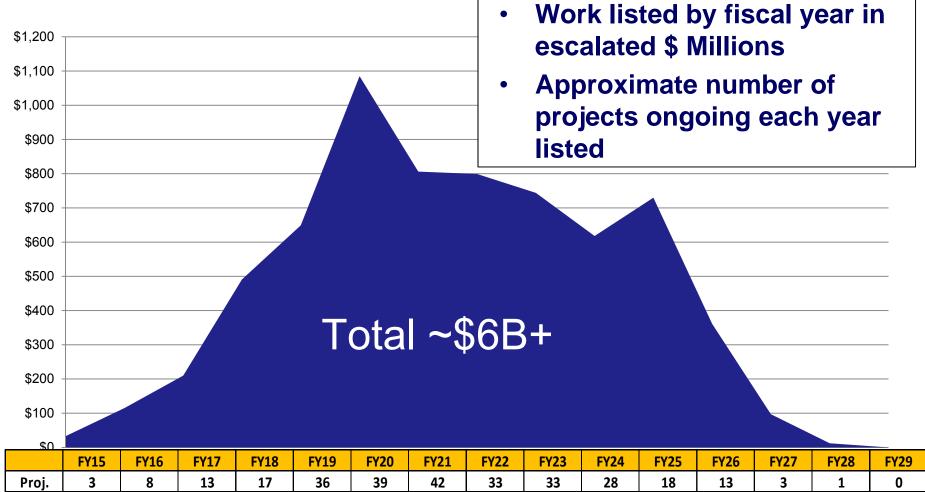
- Conservation of natural resources and cultural resources
- Establish a refuge agreement with FWS to maintain purpose and mission of Guam National Wildlife Refuge Ritidian Unit

Outside the fence infrastructure / community support*

- Construct full secondary treatment upgrade to Northern District Wastewater Treatment Plant (NDWWTP)
- Construct replacement sewer lines to NDWWTP
- Construct Defense Access Road (DAR) improvements
- Construct a cultural resources repository facility
- Construct a public health laboratory
- Kingfisher Conservation designating 5,234 acres of durable conservation land on DoD lands in northern Guam

*subject to availability of funding









- "Economic impacts from the Military Relocation would be beneficial, leading to increased employment and standards of living."
- Civilian labor force demand is expected to increase by a maximum of 7,031 jobs in 2021.
- Estimated average salaries for jobs related to the construction phase and military operation phase are expected to be considerably higher than the 2012 Guam median salary.
- GovGuam tax revenues are expected to increase by a maximum of \$86.4M in 2021 and reach a steady-state level of \$40M in 2028. (Personal income tax revenues & anticipated Section 30 funds are expected to be the major contributors.)



FY16 Military Construction Awards



Proj #	Project Title	PA \$	Projected RFP
J-001B	Utilities And Site Improvements, Ph 1 - Finegayan	> \$10,000,000	FY16Q1
P-3004	Apr - Dispersed Maintenance Spares And SE Storage Facility – AAFB	19,000,000	FY16Q1
P-3028	Low Observable/Corrosion Cntrl/Composite Repr Shop - AAFB	34,400,000	FY16Q1
P-3030	Par South Ramp Utilities Phase 2 - AAFB	7,100,000	FY16Q1
P-535	Sanitary Sewer System Recapitalization- AAFB	45,314,000	FY16Q2
P-635	Municipal Solid Waste Landfill Closure - AAFB	10,777,000	FY16Q2
P-715	Live-fire Training Range Complex (NW Field) - AAFB	125,677,000	FY16Q2
P-600	Apr Installation Control Center - AAFB	22,200,000	FY16Q2
P-3046	PRTC Roads- AAFB	2,500,000	FY16Q3





Project Title	Cost Range	Projected RFP
Replace Air Switches and PILC Cable, Chapel Road, NBG	\$1M - \$5M	FY16Q1
Major Maintenance on Orote Power Plant Generator 1, B307 NBG	\$500K - \$1M	FY16Q1
Replace/Reroute Existing Navy 16" CIP Waterline At Cabras Bridge, Route 11 and Replace Steel Piping Water Line Near B6003 at Victor Wharf, NBG.	\$500K - \$1M	FY16Q2
Replace Orote Power Plant Radiators for Three (3) 6.6 MW Units - NBG	\$1M - \$5M	FY16Q2
Replace Switchgears Various Locations Ph1 Options	\$1M-\$5M	FY16Q2
Repair - Replace Three (3) Orote Power Plant Generator Exhaust System	\$1M - \$5M	FY16Q2
Replace N. Fin and S. Fin Elevated Water Tank NCTS, Phase 3	\$1M-\$5M	FY16Q2
Replace Almagosa Springs Intake Screens, Catwalks and Ladders, NAVMAG.	\$250K - \$500K	FY16Q3
Repair Water Distribution Lines along Arnold Ave. AAFB	\$500K - \$1M	FY16Q3
Replace Transmission Line from Tumon Maui Well to Harmon BPS	\$1M - \$5M	FY16Q3
Replace Existing 4.16KV Overhead Power Lines / Pole Mounted Transformer Banks, SRF	\$500K - \$1M	FY16Q3
Replace Transmission line Harmon Booster Pump Station to Barrigada Reservoir Phase 1	\$1M - \$5M	FY16Q4

Some projects will be awarded as task orders on existing MACCs Plan as of: 1 Oct 2015 15





Project Title	Cost Range	Projected RFP
eSRM - Retrocommission & Install Solar Water Heater, Various Loc - 1, RM 14-0147	\$500K - \$1M	FY16Q1
eSRM - Retrocommision Various Buildings, Various Locations - 2, RM14-0150	\$500K - \$1M	FY16Q1
eSRM - Retrocommission Various Buildings, Various Locations - 3, RM 14-0166	\$500K - \$1M	FY16Q1
eSRM - Retrocommission Various Buildings, Various Locations - 4, RM 14-0167	\$500K - \$1M	FY16Q1
eSRM - Retrocommission Various Buildings, Various Locations - 5, RM 14-0168	\$500K - \$1M	FY16Q1
eSRM - Retrocommission Various Buildings, Various Locations - 6, RM 14-0169	\$500K - \$1M	FY16Q1
eSRM - Retrocommission Various Buildings, Various Locations - 6, RM 14-0170	\$500K - \$1M	FY16Q2
eSRM - Energy Efficient Lighting At Various Buildings, Various Locations RM14-0215	\$100K - \$250K	FY16Q2
AAFB; Energy Efficient Lighting And BIPV, B26051	\$1M- \$5M	FY16Q2
Demolish Building 21000	\$5M - \$10M	FY16Q2
DDC AND EMCS Upgrades 35 BLDGS, AAFB	\$5M - \$10M	FY16Q2
AAFB; Energy Efficient Hvac and Plumbing Fixtures, B26051 AND B61202	\$100K - \$250K	FY16Q2
AAFB; Energy Efficient Lighting and BIPV, B26101 & B26104	\$5M - \$10M	FY16Q3
AAFB; Energy Efficient HVAC and Plumbing Fixtures, B26104	\$100K - \$250K	FY16Q3
Maintenance Dredge Victor & X-Ray Wharves	\$1M- \$5M	FY16Q3
AAFB; Energy Efficient Lighting and BIPV, B61202	\$5M - \$10M	FY16Q4
Repair HSC-25 Hangar	\$1M- \$5M	FY16Q4*
Repair/Modernize UH B7, NBG	\$5M - \$10M	FY16Q4*
Lima Wharf Repair, NBG Apra Harbor	>\$10M	FY16Q4*
Repair Taxiway T1-T4 & T6-T8 CIRCUITS, AAFB	\$5M - \$10M	FY16Q4*

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Contract Vehicle	Туре	Capacity	Projected RFP Release
NAVFAC PAC Guam DBMACC (Unrestricted)	MACC	\$990M	FY16Q1
SDVOSB MACC (Minor construction)	MACC	\$30M	FY16Q1
SBMACC (non-DPRI)	MACC	\$240M	FY16Q1
SB Construction Management Services IDIQ	Construction IDIQ	\$40M	FY16Q1
DPRI SBMACC (DPRI WFHL&MM)	MACC	\$240M	FY17Q1



FY15 Small Business Goals



Program	Statutory	NAVFAC	NFM	Subcontracting
Small Business (SB)	23%	46%	46%	66.67%
Small Disadvantaged Business (SDB)	5%	24%	30%	17.10%
Historically Underutilized Business Zone (HUBZone)	3%	9%	19%	8.85%
Woman-Owned Small Business (WOSB)	5%	7%	5%	15%
Service-Disabled Veteran-Owned Small Business (SDVOSB)	3%	4%	0.5%	3%





- Construction considerations due to Guam's remote location and tropical climate; limited resources and manpower
 - **Tropical Climate**: 7-month rainy season; Averages–102" Rainfall, 83F Temp, 72% Humidity
 - Equipment Shortages Require Longer Lead-Time and Planning: historical shortages in cranes, aerial work platforms, excavators, trenchers, dredging and pile driving equipment
 - Material Shortages Require Longer Lead-Time and Additional Planning: historical shortages in cement & asphalt; basalt not available; typical long-lead items such as fire doors, transformers, switch gear, air handlers, fire sprinkler piping & stainless steel products; special products to handle the corrosive, high-seismic & typhoon-prone environment require higher costs and longer procurement lead time
 - Coastal Shipping Must Adhere to Jones Act: almost all goods require containerization; shipping restricted to US-built and flagged vessels (Jones Act)
 - Buy American Act Compliance: close proximity to Asia coupled w/ non-DoD construction demands to minimize cost, results in abundance of available foreign materials/products
 - Explosive Safety Compliance: Guam considered former battlefield; munition response required on virtually all projects; evacuation areas extend to civilian community
 - Foreign H2B Laborers: 1/4 of workforce are foreign H2B workers; language barriers exist; cumbersome processing; relatively low skill levels
 - Contractor Proficiency and Capabilities: Key personnel (PM, QCM, and SSHO) possess varying levels of qualifications and experience often times not comparable to those working U.S. Mainland projects
 - Constrained Coordination: contractor coordination w/ U.S. manufacturers in different time zones/work days difficult



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Addition Information



Federal Business Opportunities: <u>https://www.fbo.gov/</u> ٠

Navy Electronic Commerce Online: https://www.neco.navy.mil/