



# Government of Guam

*Before the Buildup...Guam Builds for the Future*

**CIP FORUM**  
**Wednesday September 14, 2011**  
**Guam Marriot Resort & Spa**



# Government of Guam

AGENCY	AMOUNT OF CIP
GCC	\$7,000,000.00
UOG	\$24,021,000.00
DPW	\$108,700,000.00
PORT	\$130,000,000.00
GEDA	\$55,600,000.00
GWA	\$96,002,000.00
GPA	\$123,319,000.00
<b>TOTAL</b>	<b>\$544,642,000.00</b>





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# Guam Community College



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Government of Guam CIP Forum  
September 14, 2011



# Student Enrollment 2008-2011

**38% increase in 4 years**

<b>Fall Semester 2011</b>	<b>2,536</b>
<b>Fall Semester 2010</b>	<b>2,438</b>
<b>Fall Semester 2009</b>	<b>2,220</b>
<b>Fall Semester 2008</b>	<b>1,835</b>

# New Buildings



**Allied Health Center  
December 2009**



**Learning Resource Center  
December 2010**



**Student Center  
December 2011**



**Foundation Building  
February 2012**



# FY 2012 Capital Improvement Projects



## DNA Forensic Lab

**Funding Source**

**U.S. DOI / U.S.D.A.**

**Amount**

**\$3.5 Million**



# FY 2012 Capital Improvement Projects



## Building 200 Renovation

<b>Funding Source</b>	<b>Amount</b>
<b>GCC Foundation</b>	<b>\$500,000</b>
<b>U.S.D.A.</b>	<b>\$3 Million</b>



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# Guam Community College

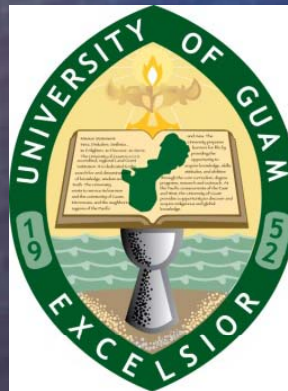
**Mary AY Okada, Ed.D**  
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**[www.guamcc.edu](http://www.guamcc.edu)**

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# **UNIVERSITY OF GUAM**



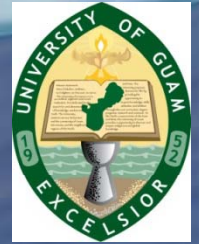
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September 14, 2011

[www.uog.edu](http://www.uog.edu)



# Government of Guam



## University of Guam Road Ahead

- University is Growing

	<u>2002</u>	<u>2010</u>
• Assets	\$ 90M	\$ 117M
• Total Revenues	\$ 61M	\$ 90M
• Grants & Contracts	\$ 16M	\$ 29M
• Student Enrollment	3,178	3,639
• On-Line Learning	Expanding capacity	

- Physical Master Plan Update
- 60<sup>th</sup> Anniversary – 2012



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## *Projects, Anticipated Funding Sources, FY*

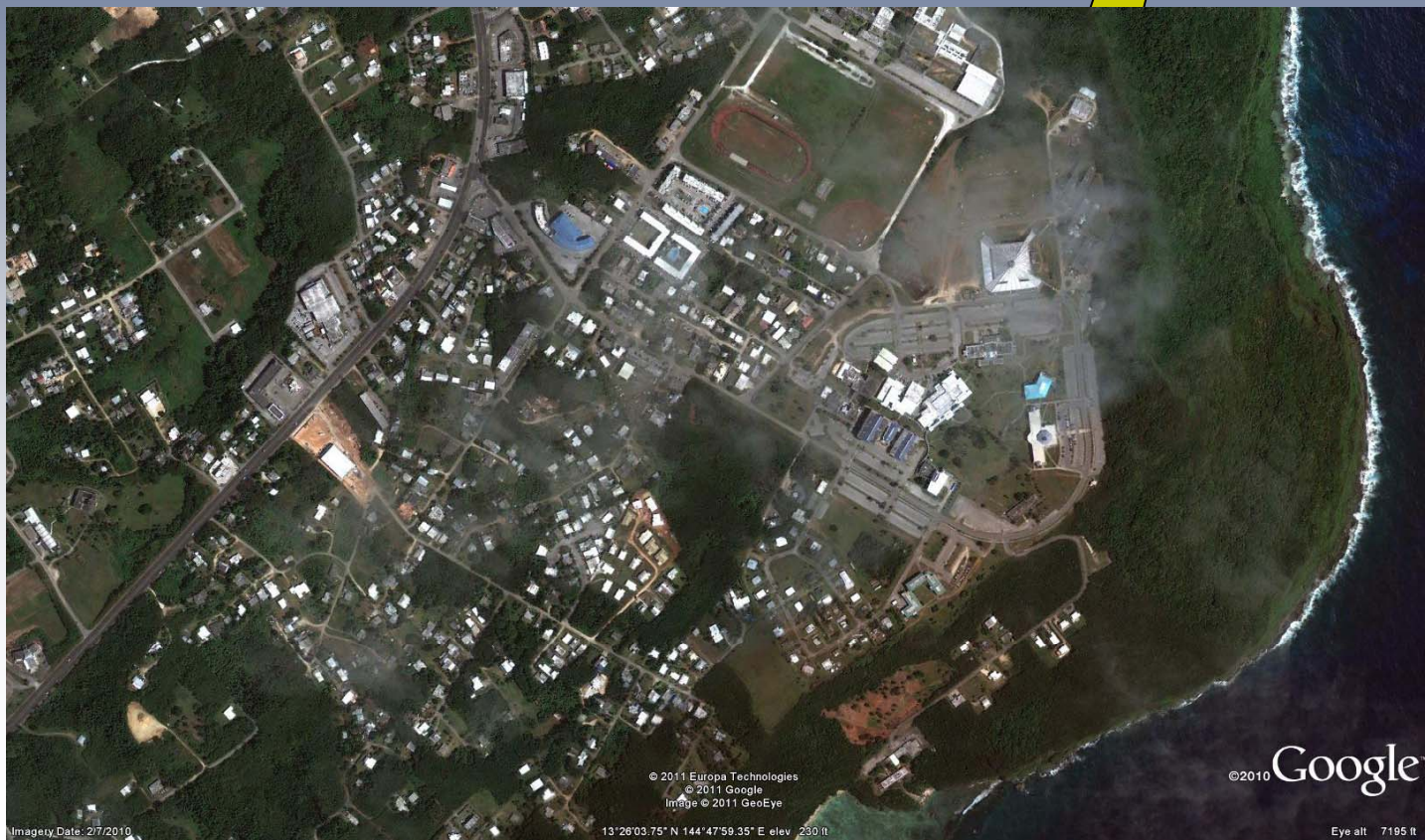
<b>Project Title:</b>	<b>Funding Source:</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
<b>Student Services Center Renovation and Expansion</b>	<b>DOI / USDA</b>	<b>\$18,000,000</b>		
<b>School of Engineering Annex Expansion Project</b>	<b>DOI / USDA</b>	<b>\$4,000,000</b>		
<b>Health-Science Renovation and Expansion Project</b>	<b>DOI</b>	<b>\$500,000</b>		
<b>Field House Renovation Project</b>	<b>DOI</b>		<b>\$1,521,000</b>	
	<b>TOTAL</b>	<b>\$22,500,000</b>	<b>\$1,521,000</b>	



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*CAMPUS TODAY ~ Campus Tomorrow*



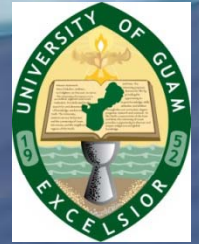
**Stay  
Tuned  
*Future  
Projects*  
2012  
PMP**

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# Government of Guam



## Contact Information:

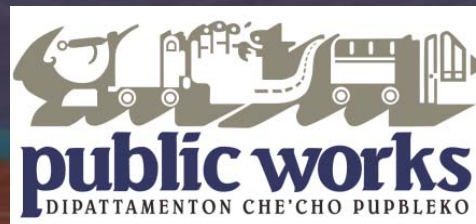
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# Guam Roads Program Updates





# Government of Guam



## 2030 Guam Transportation Plan

- The Guam Transportation Plan has identified over 3.2 billion in road improvement needs over the next 20 years
  - Based on organic growth
  - Includes projected needs to meet military buildup requirements in the final EIS
- Plan was developed in partnership between the FHWA and the Guam Department of Public Works
- Plan focuses on safety and mobility of our residents



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## GTP Total Funds & Sources (2008 – 2011)

Year	Source	Amt. (Millions)
2008	American Samoa Loan Repayment	\$1.5
	Unexpended Previous Year Allocations	\$71.2
	Emergency Relief Funds	\$12.3
	THP Annual Allocations	\$18.4
2009	THP Annual Allocations	\$18.4
	ARRA Funds	\$18.9
2010	THP Annual Allocations	\$21.7
	DoD DAR Allocations	\$49
2011	THP Annual Allocations	\$18.4
	DoD DAR Allocations	\$10.1
<b>TOTAL</b>		<b>\$239.3 M</b>



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## GTP Uses of Funds (2008 – 2011)

Category	Approx. Values
Completed Projects	\$13.8
Projects Under Construction	\$94.0
<b><i>Expected 2012 Construction Bid Projects</i></b>	<b><i>\$20M</i></b>



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## Projects Under Construction

Project Name	Construction Value
Route 25 (Alageta Road) Reconstruction & Widening	\$6.7 M
Route 2 Culverts and Slide Repair	\$3.8M
Route 16/GMF Post Office/Army National Guard Intersection	\$1.4M
Route 15 Embankment Restoration	\$943K
Route 8/10/16 Tri-Intersection	\$4.5M
Route 4 Resurfacing (McDonald's to Route 10)	\$14.9M
Route 17 Rehabilitation and Widening	\$15.4M
Ylig Bridge Replacement	\$8.0
Route 4 Talofofo/Togcha Bridges Rehabilitation	\$3.4M
<b>TOTAL</b>	<b>\$58.5M</b>



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## Projects Projected for Funding in 2012

The following projects are currently being prioritized for funding

Project Name	Construction Value
Route 14B Phase 1	\$4,685,00
Route 4 Inarajan North Leg Bridge Repair	\$2,392,000
Route 4 Agfayan Bridge Replacement	\$3,506,000
Route 4 Togcha River to Ipan Beach Park	\$540,000
Route 17 Phase 2A	\$1,400,000
Route 26 Reconstruction and Widening	\$8,500,000
Traffic Management Center	\$700,000
Route 27 Finegayan Road Reconstruction	\$11,000,000
<b>TOTAL</b>	<b>\$32,723,000</b>



# Government of Guam



## GTP Projects in Design & Planning

Project Types	Const. Value
Bridge Repairs & Replacements	\$13.4
Roadway Rehabilitation/Replacements	\$93.8
Islandwide Safety Projects	\$2.3
<b>TOTAL POTENTIAL CONSTRUCTION VALUE:</b>	<b>\$108.7 MILLION</b>

- Not all these projects are funded at this time and represents potential project needs for 2012 – 2014.
- Funding availability and sources will be prioritized through the TTIP process in the next 60 days.



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## Paving the Way Forward

- DPW is aggressively pursuing additional funding sources including a GARVEE bond
- Additional program funding is expected for DAR roads once the military buildup commences
- Territorial Transportation Improvement Plan (TTIP) will be updated in the next 60 days
  - Identifies additional sources of funds for additional projects over the next 4 years
  - Updates projected timelines for project implementation



# Government of Guam



## Paving the Way Forward

- FHWA and DPW have partnered for greater accountability and improvements to design and construction processes and standards
- Compliance with FHWA and GovGuam regulations are strictly enforced for all GTP projects
- DPW welcomes all qualified contractors and construction management firms to participate in our projects



# Government of Guam



*For more information visit:*

[www.guamtransportationprogram.com](http://www.guamtransportationprogram.com)

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## ***PORT AUTHORITY OF GUAM***



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**“Before the Buildup – Guam Plans for the Future”**

[www.portguam.com](http://www.portguam.com)



# Government of Guam



## OVERVIEW

- Located on the westernmost territory of the United States
- Largest deepwater Port in the Western Pacific
- PAG is an autonomous Government of Guam agency, revenues derived from Port terminal tariff, leases and user fees
- Designated as the 16<sup>th</sup> US Strategic Seaport
- Strategic Military Bases for US Asia Pacific Security
  - ❖ U.S. Naval Base
  - ❖ U.S. Air Force Base
  - ❖ US National Guard
  - ❖ U.S. Coast Guard
- **Total Port CIP Projects (FY12 – FY14): \$129,797,668.00**



# Government of Guam



## ***CAPITAL IMPROVEMENT PROJECTS (Federally Funded – Grants and Loans)***

Description	Planned Award Date	Funding Source	Amount
<b><i>GRANTS – Infrastructure Enhancements</i></b>			
DOAgr. GDP Dock A & B Steel Pile Extension & H2Oblasting	FY12	OEA	\$82,000.00
GDP Marina Renovation & Site Improvement Project, Phase II	FY12	DOI	\$2,557,765.00
Agat Marina Dock A Repair & Renovation	FY12	DOI	\$250,000.00
GDP Marina Dock C Repairs	FY12	DOI	\$150,000.00
<b><i>GRANTS – Maritime and Port Security Enhancements</i></b>			
Container Yard Lighting Replacement	FY12	DHS/PSGP	\$834,016.00
Comprehensive PortWide CCTV System	FY12	DHS/PSGP	\$556,327.00
Maritime & Port Security Operations Center	FY12	DHS/PSGP	\$910,594.00
Access Control/Credentialing System & TWIC Readers	FY12	DHS/PSGP	\$830,415.00
Radar/Intrusion Detection System	FY12	DHS/PSGP	\$801,110.00



# Government of Guam



## ***CAPITAL IMPROVEMENT PROJECTS (Federally Funded – Grants and Loans)***

<b>Description</b>	<b>Planned Award Date</b>	<b>Funding Source</b>	<b>Amount</b>
Command and Control Integration System	FY12	DHS/PSGP	\$2,257,500.00
Emergency Backup Generators	FY12	DHS/PSGP	\$867,151.00
Mobile X-Ray Containerized Screening Vehicle	FY12	DHS/PSGP	\$1,525,790.00
Port Police Upgrades	FY12	DHS/PSGP	\$200,000.00
<b>TOTAL GRANT FUNDS:</b>			<b>\$11,822,668.00</b>
<b><i>LOANS</i></b>			
Gantry Crane Acquisition	FY12	ANZ Bank	\$7,000,000.00
Gantry Crane Acquisition	FY12	USDA RD CF	\$7,000,000.00
<b>TOTAL LOAN FUNDS:</b>			<b>\$14,000,000.00</b>
<b>TOTAL FEDERALLY FUNDED PROJECTS:</b>			<b>\$25,822,668.00</b>



# Government of Guam



## ***CAPITAL IMPROVEMENT PROJECTS (Port Funded)***

<b>Description</b>	<b>Planned Award Date</b>	<b>Funding Source</b>	<b>Amount</b>
Load Center 4 Building Roof Repair	FY12	PAG	\$10,000.00
Exhaust Fan Repairs for LC1, LC2, and LC4	FY12	PAG	\$20,000.00
Construction of Golf Pier Pipeline Replacement	FY12	PAG	\$3,500,000.00
CM Services of Golf Pier Pipeline Replacement	FY12	PAG	\$300,000.00
Fire Sprinkler System As-Built & Certification	FY12	PAG	\$25,000.00
Electrical Upgrades (PAG Buildings)	FY12	PAG	\$80,000.00
Engineering Services (Contingency)	FY12	PAG	\$40,000.00
<b>TOTAL PORT FUNDED PROJECTS:</b>			<b>\$3,975,000.00</b>



# Government of Guam



## ***CAPITAL IMPROVEMENT PROJECTS (Port Modernization Funded)***

Description	Planned Award Date	Funding Source	Amount
Port Modernization Projects (Initial Implementation Plan)	FY12 – FY14	DOD/DOT	\$50,000,000.00
<i>(Above activities include: Wharf Improvements, Break-Bulk Cargo Improvements, Existing Container Yard Improvements, New Container Yard, Gate Complex, and Administrative Area)</i>			
Port Modernization Projects	FY12 – FY14	USDA RD CF	\$25,000,000.00
Port Modernization Projects	FY12 – FY14	ANZ Bank	\$25,000,000.00
<b>TOTAL PORT MODERNIZATION FUNDED PROJECTS:</b>			<b>\$100,000,000.00</b>
<b>TOTAL CIP PROJECTS IN THE NEXT 3 YEARS:</b>			<b>\$129,797,668.00</b>



# Government of Guam



## ***CAPITAL IMPROVEMENT PROJECTS (Unfunded)***

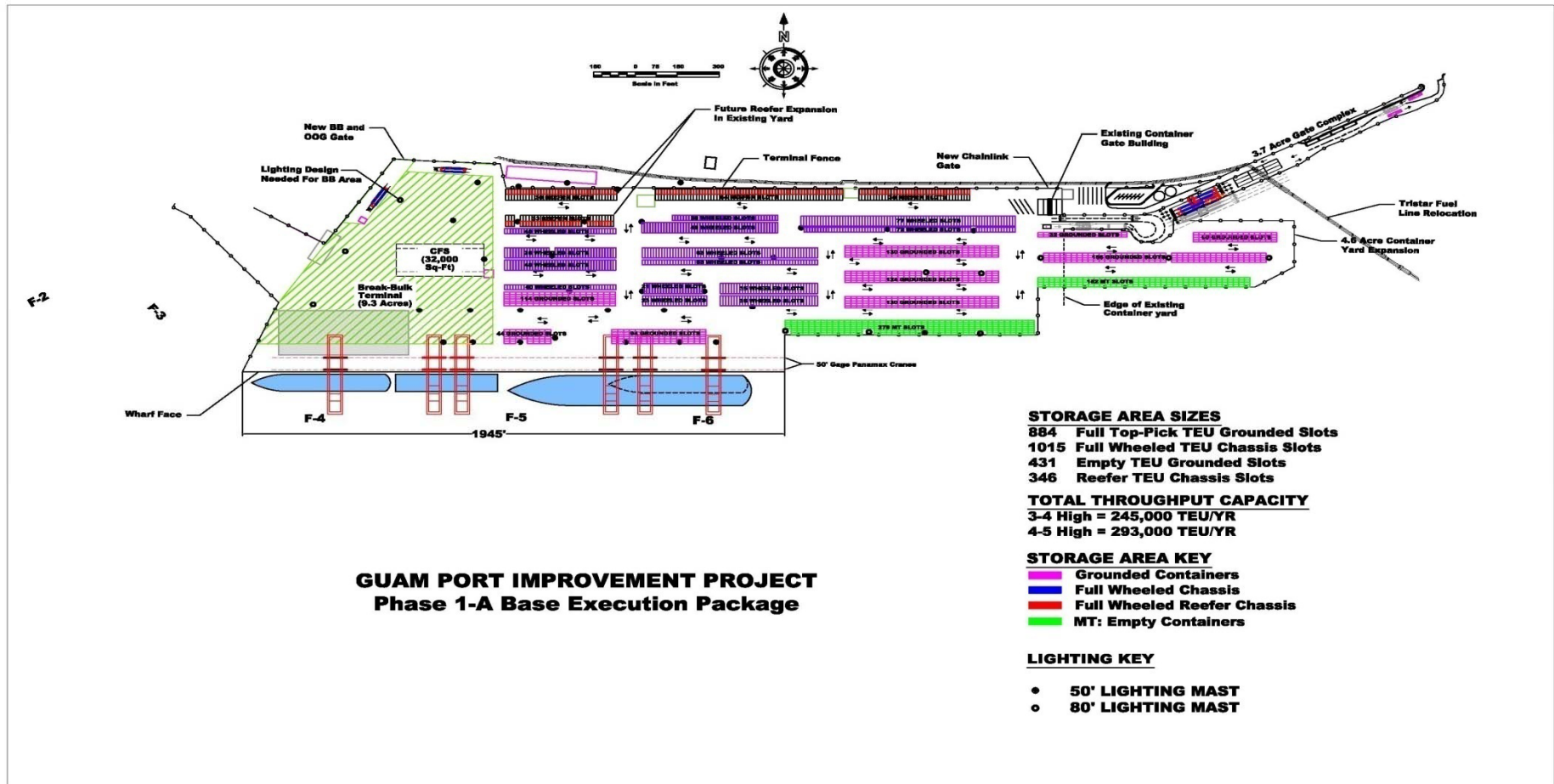
Description	Status	Funding Source	Amount
Various Projects Located Throughout Port Facilities	Plan	Unfunded	\$125,780,481.00
<i>(for project details, please visit our website at <a href="http://www.portguam.com">www.portguam.com</a>)</i>			
<b>TOTAL UNFUNDED PROJECTS:</b>			<b>\$125,780,481.00</b>



# Government of Guam



## PORT MODERNIZATION – PHASE 1A BASE CONSTRUCTION



### GUAM PORT IMPROVEMENT PROJECT Phase 1-A Base Execution Package

- STORAGE AREA SIZES**
- 884 Full Top-Pick TEU Grounded Slots
  - 1015 Full Wheeled TEU Chassis Slots
  - 431 Empty TEU Grounded Slots
  - 346 Reefer TEU Chassis Slots
- TOTAL THROUGHPUT CAPACITY**
- 3-4 High = 245,000 TEU/YR
  - 4-5 High = 293,000 TEU/YR
- STORAGE AREA KEY**
- Grounded Containers
  - Full Wheeled Chassis
  - Full Wheeled Reefer Chassis
  - MT: Empty Containers

- LIGHTING KEY**
- 50' LIGHTING MAST
  - 80' LIGHTING MAST



# Government of Guam



## CONTACT INFORMATION

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# ***GUAM ECONOMIC DEVELOPMENT AUTHORITY***



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**September 14, 2011**

[www.investguam.com](http://www.investguam.com)



# Government of Guam



## GEDA Initiatives

- **CEDS**
- **STEP Grant**
- **Small Business Growth and Sustainability**
- **Economic Trade Missions**
- **Sports Tourism**
- **Hagatna Revitalization**
- **NEW: Project Management Office**



# Government of Guam



## *HOTEL OCCUPANCY TAX (HOT) BOND FUNDED PROJECTS Public Law 30-228*

<b>Total Funds Appropriated by P.L. 30-228</b>	<b>\$55,569,000</b>
------------------------------------------------	---------------------

### **Infrastructure Improvement Projects:**

Guam Museum and Chamorro Educational Facility	\$27,000,000
-----------------------------------------------	--------------

Other Various Tourism Related Projects	\$41,500,000
----------------------------------------	--------------

- San Vitores Flooding
- Historic Hagatna Projects
  - Plaza de Esplana Wall Restoration
  - Azotea Restoration & Rehabilitation
  - Chocolate House Restoration
  - Marine Drive Connection between Skinner Plaza & Chamorro Village
- Guam Preservation Trust Reimbursement
- Inarajan Community Center Restoration
- Malesso Bell Tower Restoration & Rehabilitation
- Design/Construction of Guam Farmers Coop Association Facility & Dededo Flea Market Relocation



# Government of Guam



## *HOTEL OCCUPANCY TAX (HOT) BOND FUNDED PROJECTS Public Law 30-228*

### **Infrastructure Improvement Projects - Continued**

- Acquire Property at Faifai and Gognga (Gun Beach), Tumon
- Historic Monument and Plaza Commemorating Magellan's Visit to Umatac Bay
- Design/Construction of Village Entrance Signs for 19 Municipalities
- Nimitz Beach Improvements
- Improve Public Facilities near Fish Eye Pier
- Mangilao Public Market Improvements
- Tumon Bay Improvements including Governor Joseph Flores Park
- Pale San Vitores Road Streetlight Renovation
- Agana Bay Vicinity Streetlight Renovation
- Restoration and Repair of Scenic Byways, Overlooks and Historic Sites including Cetti and Sella Bay Overlooks, Umatac Bay overlook, Agat Spanish Bridge, Talofofu and Fadian Point Overlooks, Santos Memorial Park Ocean Views and East Agana Bay Picnic Shelters and Ocean Views
- Design and Construction of Permanent Monument for the Senator Angel Santos Park
- Scenic and Informational Highway Signs
- Hagatna Tennis Courts Improvements
- Hagatna Pool Improvements
- Deposit into Community Sports Recreational Improvement Fund (PL 14-27) for Construction and/or Renovation of Sports and Community Recreational Facilities
- Primary or Supplemental Funding for Hagatna Master Plan Projects



# Government of Guam



## Program Management Office (PMO)

- **Negotiating Professional Services Contract**
- **PMO to determine priority of projects and assess current and potential funding sources**
- **PMO to determine Contracting Method (e.g. Design-Build, Design-Bid-Build) based on funding and other factors**
- **Anticipate issuing RFPs ASAP**



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Hafa Adail

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As we say on Guam, "Hafa Adail!" – Welcome to our beautiful island. You are viewing the **Guam Economic Development Authority (GEDA)** web site. GEDA is an autonomous agency of the Government of Guam and a Guam public corporation.

The U.S. Territory of Guam possesses many advantages for investors and businesses alike. Guam is the closest U.S. possession to China and the Asian theater and is in the same time zone range. Guam offers a professional and business friendly environment utilizing U.S. laws, currency and language. The territory also offers investor incentive programs available through GEDA. With the increase in Asian tourism and military growth, the island offers numerous investment opportunities for potential investors. With its economy expecting to experience an unprecedented boom in the near future, it is only a matter of time before we reach an all time high in business development.

We invite you to "Explore the Possibilities" and learn why Guam is "Your Business Smart Destination".



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### GEDA ADMINISTRATOR'S MESSAGE



Hafa Adail

"We believe in Guam!"  
These very words provide the framework for Governor Eddie Baza Calvo's Guamanian Dream. With the impending military buildup and the significant change the buildup will bring comes an opportunity to shape a better Guam. I share Governor Calvo's Dream and look forward to working with the Calvo-Tenorio Administration in an effort to make Guam better. As America in Asia, Guam is a "Business Smart Destination" and over the course of the next decade a better Guam will be built as a result of our collective hard work and decisions which will guide Guam's growth and as a result every sector of Guam's economy will benefit and thrive.

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### LATEST NEWS AND EVENTS

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***Before the Buildup...Guam Builds for the  
Future***

***Presented by Thomas Cruz, P.E.  
Chief Engineer (Acting)  
Guam Waterworks Authority***

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# Government of Guam



## Listing of Projects

Bond Projects	Estimated Cost
Current Engineering Design Services	\$ 3,984,000
Needed Engineering Design Services	5,510,000
Meter Replacement Program	8,500,000
Water Infrastructure Construction Projects	25,579,000
Wastewater Infrastructure Construction Projects	29,385,000
Electrical Infrastructure Construction Projects	4,250,000
Miscellaneous Infrastructure Construction Projects	10,194,000
Anticipated USEPA FY 2012 SRF Projects	8,600,000
<b>Total</b>	<b>\$ 96,002,000</b>



# Government of Guam



## Current Engineering Design Services

Project	Cost (x1000)	Design	Construction
Brigade II (Ugam lift) Booster Pump Station Design	\$363	Anticipated Design Completion May 2012	Anticipated Advertisement <b>July 2012</b>
Deep Well Rehabilitation-New Well Design	\$984	Anticipated Design Completion May 2012	Anticipated Advertisement <b>July 2012</b>
Rehabilitation of Asan Springs	\$500	Anticipated Design Completion June 2012	Anticipated Advertisement <b>August 2012</b>
Master Meters Design	\$500	Anticipated Design Completion August 2012	Anticipated Advertisement <b>October 2012</b>
SCADA Master Planning	\$370	Anticipated Design Completion August 2012	Anticipated Advertisement <b>October 2012</b>



# Government of Guam



## Needed Engineering Design Services

Project	Design	Construction
Water Booster Pump Station	Anticipated Advertisement <b>January 2012</b>	Anticipated Advertisement <b>December 2012</b>
Potable Water System Planning	IN-HOUSE	Anticipated Advertisement <b>March 2012</b>
Ugam Water Treatment Plant Intake	Anticipated Advertisement <b>January 2012</b>	Anticipated Advertisement <b>January 2013</b>
Water Distribution System	Anticipated Advertisement <b>December 2011</b>	Anticipated Advertisement <b>December 2012</b>
Wastewater System Planning	Anticipated Advertisement <b>December 2011</b>	Anticipated Advertisement <b>December 2012</b>
Facilities Plan/Design for Agat-Santa Rita WWTP	Anticipated Advertisement <b>January 2012</b>	Anticipated Advertisement <b>January 2013</b>



# Government of Guam



## Water Infrastructure Construction Projects

Project	Cost (x1000)	Construction
<b>Water Storage Tank Construction</b>	<b>\$14,000</b>	Multiple Invitation for Bid starting <b>June 2012</b>
<b>Water Line Replacement</b>	<b>\$4,775</b>	Multiple Invitation for Bid starting <b>November 2011</b>
<b>Deep Well Construction</b>	<b>\$1,500</b>	Multiple Invitation for Bid starting <b>June 2012</b>



# Government of Guam



## Wastewater Infrastructure Construction Projects

Project	Cost (x1000)	Construction
Northern District WWTP – subcontract work	\$10,000	Invitation for Bid starting <b>November 2011</b>
Hagatna WWTP – subcontract work	\$13,000	Invitation for Bid <b>June 2012</b>
Baza Barden STP	\$3,550	Invitation for Bid <b>December 2012</b>



# Government of Guam



## Anticipated USEPA FY 2012 SRF Projects

### Water System

- Public Water System Asset Management (est. \$1.0M)
- Public Water System Hydraulic Modeling (est. \$1.5M)
- Public Water System GIS & Mapping (est. \$1.0M)

### Wastewater System

- Critical Wastewater Pump Station Repairs (est. \$1.0M)
- I&I and SSES Northern District and Hagatna WWTP (est. \$2.6M)
- Public Wastewater System Hydraulic Modeling (est. \$1.5M)



# Government of Guam



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**<http://www.guamwaterworks.org>**



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# Guam Power Authority

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# Government of Guam



## Fact Sheet

- Peak Demand 281.5 MW
- Installed Generation: 552.4 MW
- 663 miles of transmission and distribution lines
- 4 Bulk Power Transfer Substations
- 25 Distribution Substations
  - 594.5 MVA Installed Capacity
- Website: [www.guampowerauthority.com](http://www.guampowerauthority.com)



# Government of Guam



## Listing of Projects

<b>Bond Projects</b>	<b>Estimated Cost</b>
Smart Grid Projects	\$ 34,000,000
Consolidated Main Office & Operation Facility Improvements	35,000,000
Environmental Compliance	1,900,000
Generation Improvements	16,859,000
Underground Fuel Pipeline Conversion	2,150,000
Fire Protection Upgrades at GPA Facilities	3,808,000
Power Substation/Transmission Upgrades and Improvements	11,550,000
System Protection Relaying Improvements	1,893,000
Power Distribution System Improvements	16,159,000
<b>Total</b>	<b>\$ 123,319,000</b>

<b>Other Projects</b>	<b>Estimated Cost</b>
Military Build Up Projects	\$ 150,000,000



# Government of Guam



## Upcoming Generation Improvements

Project	Cost (x1000)	Design	Construction
New Storage Building – Cabras 3&4	\$350	Design to be Completed November 2011	To Be Advertized <b>December 2011</b>
Fire Alarm/Suppression System Upgrade Phase2 – Cabras 3&4	\$800	Design to be Completed November 2011	To Be Advertized <b>December 2011</b>
New Chemical Storage Facility – Cabras 1&2	\$250	Design to be Completed December 2011	To Be Advertized <b>January 2012</b>
HVAC Replacement – Cabras 3&4	\$300	To be Advertized <b>October 2012</b>	To Be Advertized December 2012
Plant Security System – Cabras 3&4	\$300	To be Advertized <b>September 2012</b>	To Be Advertized <b>November 2012</b>



# Government of Guam



## Upcoming Power Plant Fire Protection Upgrades and Facility Improvements

*Upgrades various facilities to meet requirements of NFPA and insurance risk survey report. Includes installation of new water supply lines, fire hydrants and fire lines, pumps, fire alarms and smoke detection systems, and new fire retardant chemicals.*

Project	Cost (x1000)	Construction
Upgrade Fire Protection Tenjo Diesel	\$450	Invitation for Bid <b>October 2011</b>
Upgrade Fire Protection Marbo CT	\$470	Invitation for Bid <b>January 2012</b>
Upgrade Fire Protection Manenggon Diesel	\$550	Invitation for Bid <b>October 2011</b>
Upgrade Fire Protection Talofof Diesel	\$360	Invitation for Bid <b>January 2012</b>
New Fadian GPA/GWA Office Complex	\$30,000	Design/Build To Be Advertized <b>November 2011</b>



# Government of Guam



Project	Cost (x1000)	Design	Construction
<b>Dededo Substation Upgrade</b> – Redesign of existing outdoor substation (34.5 kV and 13.8 kV) to indoor type. Includes transformer and connections to existing diesel plant.	<b>\$4,655</b>	In Negotiations	To Be Advertized <b>July 2012</b>
<b>Tumon Substation Transformer Upgrade w/ Concrete Fence</b> – Upgrade of existing undersized power transformer to 30 MVA. Includes concrete perimeter fencing of substation.	<b>\$1,530</b>	Finalizing A/E Contract	To Be Advertized <b>April 2012</b>
<b>Agana Substation Transformer Upgrade</b> – Upgrade of existing 14 MVA power transformer to 30 MVA. Includes status and control wiring upgrade.	<b>\$1,250</b>	Finalizing A/E Contract	To Be Advertized <b>April 2012</b>
<b>GAA to GIAT Fiber Optic Installation (U/G)</b> – fiber optic communication for mirror-bit scheme protection	<b>\$410</b>	Design to be Completed February 2012	To Be Advertized <b>March 2012</b>
<b>Macheche to GAA Fiber Optic Installation (U/G)</b> – fiber optic communication for mirror-bit scheme protection	<b>\$480</b>	Design to be Completed February 2012	To Be Advertized <b>March 2012</b>
<b>Macheche to Harmon Fiber Optic Installation (U/G)</b> – fiber optic communication for mirror-bit scheme protection	<b>\$460</b>	Design to be Completed February 2012	To Be Advertized <b>March 2012</b>



# Government of Guam



## Upcoming Power Distribution System Improvements

Project	Cost (x1000)	Design	Construction
<b>Agat Village Pole Hardening &amp; Hybrid</b> (To minimize restoration efforts in the Village of Agat in the event of a typhoon by hardening the existing overhead primary system and converting the existing secondary system to an underground system within the village of Agat. )	\$3,800	<b>Design – 100% Pending Final Review</b>	To Be Advertized <b>October 2011</b>
<b>Tumon Bay Lateral Conversion</b> (Convert the existing overhead laterals along San Vitores Road to an underground system to address voltage delivery Issues and in the event of a typhoon, eliminating restoration efforts for this area.)	\$6,583	<b>Design – 50% To Be Completed November 2011</b>	To Be Advertized <b>January 2012</b>



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## Navy Projects

- GPA has a separate list of Projects whose need is either created by the Military Buildup or was moved up by the Military Buildup.
- Estimated Cost - \$137 million
- DOD has agreed to finance and pay for all incremental costs of Buildup



# Government of Guam



## MILITARY PROJECTS - GPA

		Project Total
1	Andersen Substation Capacitor Banks	\$ 315,000
2	Orote Substation Capacitor Banks	\$ 315,000
3	Piti X20 to Orote X35 Overhead Line Upgrade	\$ 945,000
4	Piti to Orote 115 kV Overhead Line	\$ 8,505,000
5	Orote Substation 112 MVA Transformer and Substation	\$ 4,830,000
6	Polaris Point Substation Capacitor Banks	\$ 315,000
7	Harmon Substation Reconstruction 115 kV and 34.5 kV	\$ 7,508,000
8	Harmon to Andersen 115 kV Overhead Line	\$ 21,788,000
9	Andersen Substation 112 MVA Transformer and Substation	\$ 4,830,000
10	Harmon - North Finegayan Underground Line	\$ 9,818,000
11	Harmon - North Finegayan Overhead Line	\$ 945,000
12	North Finegayan - Potts Junction - Andersen Underground Line	\$ 15,593,000
13	North Finegayan - Potts Junction - Andersen Overhead Line	\$ 1,523,000
14	North Finegayan Substation Capacitor Banks	\$ 315,000
15	North Ramp Substation Capacitor Banks	\$ 158,000
SUB - TOTAL		<b>\$ 77,703,000</b>



# Government of Guam



## MILITARY PROJECTS - NAVY

		Project Total
1	Orote/Cold Storage/SRF Substations (Navy)	\$ 140,000
2	North Ramp Substation	\$ 4,700,000
3	Andersen - North Ramp Line 1	\$ 5,500,000
4	Andersen - North Ramp Line 2	\$ 5,500,000
5	Orote - SRF Line 1	\$ 2,200,000
6	Orote - SRF Line 2	\$ 2,200,000
7	Polaris Point Substation	\$ 4,700,000
8	Piti - Polaris Point Line 1	\$ 5,900,000
9	Piti - Polaris Point Line 2	\$ 5,900,000
10	North Finegayan Substation	\$ 4,700,000
11	South Finegayan Substation	\$ 4,700,000
12	North Finegayan - South Finegayan Line 1	\$ 4,200,000
13	North Finegayan - South Finegayan Line 2	\$ 4,200,000
14	SRF Substation	\$ 4,700,000
SUB - TOTAL		\$ 59,240,000



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## *Si Yu'os Ma'ase*

***CIP FORUM***

***Wednesday September 14, 2011***

***Guam Marriot Resort & Spa***