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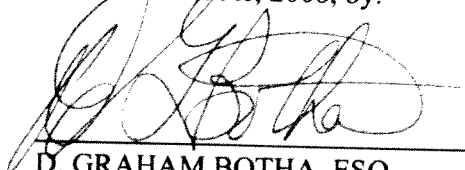
Attorney for the Guam Power Authority

BEFORE THE PUBLIC UTILITIES COMMISSION

IN THE MATTER OF) DOCKET NO.94-04
)
The Guam Power Authority's Filing)
of Quarterly Excess Bonds Status)
Reports)
)
_____)

COMES NOW, GUAM POWER AUTHORITY and hereby files GPA's Excess Bonds Quarterly Status Reports for the GPA Integrated Resource Plan Development, Wind Study, Cost of Service Study and Transmission Study for July to October 2008.

RESPECTFULLY SUBMITTED this 31st of October, 2008, by:



D. GRAHAM BOTHA, ESQ.
Legal Counsel for the Guam Power Authority

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**QUARTERLY STATUS REPORT
(Excess Bond Funds)**

Report Date: October 23, 2008

Project: Wind Study

Business Units: 100092

Funding Source: Excess Bond Funds

Project Description: This project involves engineering and technical services for the wind generation siting research, tower monitoring stations erection, data monitoring and analysis, as well as development of a procurement documents and support for the acquisition of wind resource (or other competitive alternative energy generator). The erection of the monitoring towers and data analysis requires procurement of contractual services, siting and procurement document development for wind generator acquisition will be done under an existing contract with Winzler & Kelly and RWBeck (subcontractor).

Wind Monitoring Tower Siting

Contractor: Winzler & Kelly/RWBeck
Contract Amount: \$ 27,500.00 (Awarded)

- Activities Completed:**
- Provided weather data, GPA Meteorological Tower data for wind direction and speed, and transmission and substation maps to contractor.
 - Set tentative dates for site visits (August 11-15).
 - Site assessment was delayed to week of Oct 13th due to property research.
 - Site assessment completed, report pending.

Project Schedule: Planned Start - June 2008
Actual Start - June 2008

Planned Completion - July 2008
Actual Completion -

Wind Monitoring Tower Erection and Data Collection & Analysis

Contractor: Pending
Contract Amount: \$ 210,000.00 (*Estimated*)
Activities Completed: None to date. (This work requires information from the site assessment which has been delayed.)

Project Schedule: Planned Start - July 2008
Actual Start -

Planned Completion - July 2009
Actual Completion -

Procurement Documents Development & Support

Contractor: Winzler & Kelly/RWBeck
Contract Amount: \$ 150,123.10 (*P.O. in process*)

Activities Completed: None to date.

Project Schedule: Planned Start - Dec 2008
Actual Start -

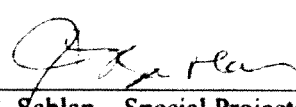
Planned Completion - Nov 2009
Actual Completion -

GPA Procurement for Wind Generator

Project Schedule: Planned Start - May/June 2009
Actual Start -

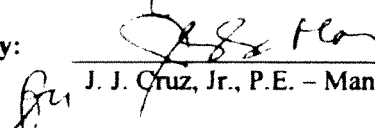
Planned Completion - Nov/Dec 2009
Actual Completion -

Prepared By:



J. G. Sablan - Special Projects Engineer, SPORD

Approved By:



J. J. Cruz, Jr., P.E. - Manager, SPORD

**QUARTERLY STATUS REPORT
(Excess Bond Funds)**

Report Date: 10/22/08

Project: GPA Integrated Resource Plan Development
(FY 2007-2008 Tasks)

Business Units: 100091

Funding Source: Excess Bond Funds (83%)
O&M Funds (17%)

Project Description: This project involves engineering and technical services for the research of viable generation supply and customer (demand) side options including an analysis on capital costs, operation and maintenance costs, environmental concerns, fuel availability, and siting concerns for generation options and investment costs and savings calculations for demand side programs; evaluating assumptions for current and anticipated regulations (renewable portfolios and emission tax credits); setup of database for cost modeling; and other supporting research to develop an Integrated Resource Plan (IRP).

Contractor: Winzler & Kelly, Main Contractor
(R.W. Beck, Sub-Contractor)

Contract Amount:

\$ 329,000.00	FY 07-09 Total
\$ 50,000.00	FY 07 O&M Funds
\$ 34,441.24	FY 07 Excess Bond Funds
\$ 215,558.76	FY 08 Excess Bond Funds
\$ 29,000.00	FY 08 O&M Funds
\$ 20,995.70	FY 09 Addt'l Excess Bond Funds (in process)

Activities Completed:

- GPA Project management, including tracking and processing of purchase order and invoices, progress update on tasks and schedules, and coordination of meetings;
- An update to generation supply options to include capital costs for liquefied natural gas (LNG) infrastructure upgrade;
- Addressed regulatory and legislative issues regarding IRP development including investigating impact on PURPA and EAct of 2005;
- Reviewed and updated customer side programs (Demand Side Management, DSM);
- Completed the setup and review of the modeling software (Strategist);
- Scrutinized the load and fuel forecasts;
- Researched specific environmental concerns for plant siting at the Cabras area;
- Conducted four stakeholder meetings and a PUC briefing for community involvement and update on the IRP development;
- Developed assumptions regarding anticipated emissions and renewable regulations;
- Initiated further research into solar, wind, geothermal and synthetic gas (IGCC) supply side options, review of military studies and load impact, new acquisition options; and
- Review and comment on GPA draft plan.
- Reviewed PUC consultant comments received 9/17/08 and received approval for additional funds for consulting support to address issues/concerns raised.

Project Schedule:

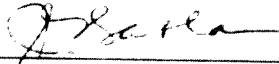
Actual Start	July 9, 2007
Excess Bond Use Approval:	August 13, 2007
Planned Draft Completion:	March 2008
Actual Draft Completion: (Draft submitted to PUC)	June 12 2008
PUC Comments Received:	Sept. 17, 2008
Planned Final Completion:	June 2008
Actual Final Completion	

Completed to Date: 99%

Progress Payment:


\$ 72,162.09 O&M Funds
\$ 250,000.00 Excess Bond Funds
See summary spreadsheet attached.


Prepared By:



J. G. Sablan - Special Projects Engineer, SPORD

Approved By:



 J. J. Cruz, Jr., P.E. - Manager, SPORD

BOND FUNDS QUARTERLY REPORT

Integrated Resource Plan - Project Costs Summary (FY07-08)
 Vendor: Winzler Kelly
 Updated: 10/23/08

Task	Description	Project Original Est. (FY07-FY08)	FY 2007 Invoices (1)			Amended FY 2008 Budget Amount	FY 2008 Invoices Paid to Date	PERCENT COMPLETE
			Invoices (O&M Funds)	Invoices (Excess Bond Funds)	Total Invoices			
101	Review of Proposed PURPA Legislation	13,132.70	12,010.80	-	12,010.80	-	100%	
102	Review Current IRP Database	18,182.80	2,666.40	-	2,666.40	32,709.60	100%	
103	Provide DSM Parameters	37,884.10	17,510.90	-	17,510.90	37,336.20	100%	
104	Update Supply Side Options	8,328.20	-	-	-	13,114.20	100%	
105	Facilitate Stakeholder Process	86,878.20	15,961.28	-	15,961.28	103,667.17	100%	
106	Review Letter Report	15,037.00	-	-	-	2,943.60	98%	
107	White Paper on Impacts of 2005	17,278.80	1,850.62	1,261.83	3,112.45	-	100%	
108	Project Management	17,770.80	-	13,473.46	13,473.46	20,726.28	100%	
109	Regulatory and Legislative Support	18,080.40	-	19,705.95	19,705.95	5,636.40	100%	
110	Environmental Issues	18,713.00	-	-	-	-	100%	
111	Wind Study Discussion & Development	-	-	-	-	976.80	100% (6)	
112	Integrated Gasification Combined Cycle (IGCC) Research	-	-	-	-	-	-	
114	Central Stat PV Power Plant Research	-	-	-	-	2,505.80	100%	
115	Review Military Planning Impacts	-	-	-	-	4,001.80	100%	
116	New Acquisition Discussion	-	-	-	-	6,520.80	100%	
117		-	-	-	-	7,581.20	100%	
		248,814.00	50,000.00	34,441.24	84,441.24	330,020.38	237,718.85 (7)	

FY 2007-2008 Invoices Total: \$ 322,181.00
 Anticipated Invoices for FY 2008 (Pending): \$ 50,000.00 (8)

NOTES:

- (1) GPA initiated the IRP tasks above in July 2007 using O&M Funds totaling \$50K. Public Utility Commission approval for use of Excess Bond Funds was granted on August 13, 2007. The FY 2007 purchase order was increased by \$35K using Excess Bond Funds (only \$34,441.24 of Bond Funds was invoiced and paid in FY 2007)
- (2) In Feb 2008 the project estimates were updated to reflect additional costs associated with ongoing work in addressing stakeholder concerns, additional research into Liquefied Natural/Synthetic Gas options, database review and development that exceeded the approved Bond Funds by \$29,000. An amendment to the purchase order is being processed using O&M funds.
- (3) The current approved purchase order amount for FY 2008 is \$215,588.76.
- (4) This portion of the tasks is being paid through a Memorandum of Understanding with Meratus Electric Company
- (5) This total is pending an amendment for \$29,000 to cover anticipated costs for remaining work. This will be funding through O&M funds
- (6) This includes the initial discussions for wind farm siting requirements and vertical axis turbines review. The Wind Monitoring Station is a new task that will be tracked separately as Wind Study
- (7) These tasks were to provide support relative to the completion of Integrated Resource Plan. The document was submitted to Guam Public Utilities Commission on June 12, 2008
- (8) PUC approved additional Excess Bond Funds on Oct. 3, 2008 to address PUC Consultant concerns on comments received September 17, 2008.

QUARTERLY PROGRESS REPORT

Report Date: 10/13/08

Project: Cost of Service Study/Load Research Study

Business Units: 100093/100094

Funding Source: Excess Bond Funds

Project Description: This project involves engineering and technical services for GPA's Load Study Research and Cost of Service Study. It includes developing a briefing to Guam CCU on use of load study data and likely adjustments to rate spread between customer classes. Coordination with Guam PUC consultants on objectives and design. Stratifying the sample of customers to perform the load study on. The Purchase, installation, reading, and removal of load study meters. Analyzing and documenting data and results collected from the meters. Analyze rate spread (current rates versus cost-based rates). Prepare a final report and an executive presentation summarizing the information contained in the final report. Training of GPA personnel in meter reading protocols, meter change-out methods, and load analysis, for future use of load study meters.

Contractor: Economists.com Main
Black & Veatch Sub

Contract Amount: \$419,540 12684 OP / 12685 OP

Administrative Activities:

- Purchase orders awarded on August 19, 2008.

Project Activities:

- Develop Sample Design for the Load Study
- Coordinate with Guam PUC consultants on objectives and design
- Review meter types and test meter software; obtain quotes on standard and telecom-enabled meters for study

Project Schedule:

Planned Start: August 2008
Actual Start: August 2008
Planned Finish: December 31, 2009
Actual Finish:


Completed to Date:

5%

Progress Payment:


\$ 0

Prepared By:



Roel A. Cahinhinan, P.E.

Approved By:



Jennifer G. Sablan

QUARTERLY PROGRESS REPORT

Report Date: 10/1/08

Project: Transmission Study

Business Units: 100090

Funding Source: Excess Bond Funds

Project Description: Consultant to provide assistance with GPA's Transmission Planning Study to include on-site training, remote consultation and review of Transmission Planning Study draft.

Contractor: Winzler & Kelly Main
RW Beck Sub

Contract Amount: \$130,000 11773 OP

Administrative Activities:

- Purchase order awarded on September 12, 2007.
- Invoice #1 in the amount of \$78,016.68 paid March 2008.
- Invoice #2 in the amount of \$30,718.23 paid September 2008.

Project Activities:

- Developed transmission study report template draft
- Provided on-site power flow analysis software training
- Developed preliminary transmission planning criteria
- Finalized load forecast to include civilian and military projects
- Developing power flow models for analysis

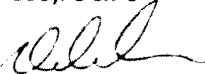
Project Schedule:

Planned Start:	October 1, 2007
Actual Start:	October 1, 2007
Planned Finish:	June 1, 2008
Projected Finish:	January 31, 2008
Actual Finish:	

Completed to Date: 70%


Progress Payment: \$ 108,734.91

Prepared By:



Roel A. Cahinhinan, P.E.

Approved By:



Jennifer G. Sablan

MONTHLY PROGRESS REPORT

Report Date: 10/15/08

Project: System Stability and Relay Coordination

Business Unit: 100049

Funding Source: GPA Revenue Funds

Project Description: In 2004, GPA engaged Electric Power Systems, Inc. to conduct a study to examine the robustness of GPA's power system against certain generator outages as well as faults on generators and transmission lines. This project will implement a portion of the recommendations from the System Stability and Relay Coordination Study Report to enhance system reliability and improve protection of GPA assets. Implementation includes the following:

- Replacement of electromechanical relays with SEL electronic type relays
- Development of revised and new relay settings
- Installation of GPS clocks for time synchronization of event reporting
- Installation of Trip Coil Monitoring devices to eliminate nuisance trips.

Contractor: EPS, Inc. A/E - Study

Contract Amount: \$249,302 EPS, Inc. 8432 OP

Administrative Activities:

- System stability and relay coordination study was completed on August 2005.
- Implementation of study recommendations is in progress.

Construction Activities:

- GPS Clocks have been installed in 13 (out of 28) locations: San Vitores, Pagat, Pulantat, GAA, and Agana 115 kV and 34.5 kV, Anigua, Tamuning, Yigo, Apra, Cabras , Barrigada, and Umatac
- 80 Trip Coil Monitors have been purchased and are pending installation.
- 12 existing SEL communication processors have been programmed to communicate with existing

relays at various substations.

- Development of revised and new relay settings has been completed on 66 out of 80 (83%) relays.
- 37 out of 54 (69%) relays requiring replacement have been completed.

Project Schedule:

Planned Start Design: August 1, 2004
Actual Start Design: August 1, 2004
Planned Finish Design: December 8, 2004
Actual Finish Design: August 23, 2005

Planned Start Implementation: January 2006
Actual Start Implementation: June 1, 2006
Planned Finish Implementation: March 25, 2009
Actual Finish Implementation:


Completed to Date:

100%	Study/Recommendations
<u>18.64%</u>	<u>Implementation:</u>
1.82%	Trip Coil Monitor
46.4%	GPS Clock Installation
69%	Relay Replacements
83%	Relay Settings Revision

Progress Payment:

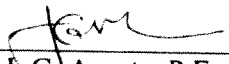
\$249,302 Design - EPS

Prepared By:



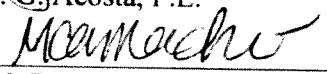
Irwin B. Loyola, P.E.

Reviewed By:



J. G. Acosta, P.E.

Approved By:



M. R. Camacho, P.E.

**System Stability and Relay Coordination
Quarterly Compliance Report
July - September 2008**

	DESCRIPTION OF WORK	Approved Budget	Latest Eng. Estimate	Commitment To Date	Actual Expenditure	Balance of Approved Budget	Remarks (Status of Activity)
System Stability and Relay Coordination Study							
1	Consultant	\$249,302.00	\$249,302.00	\$249,302.00	\$249,302.00		
2	Dynamic System Recorders	\$29,920.00	\$29,920.00	\$29,920.00	\$29,920.00	\$0.00	8432OP
3	Engineering Management	\$9,884.00	\$9,884.00	\$9,883.26	\$9,883.26	\$0.00	9503OP
	TOTAL FOR STUDY	\$289,106.00	\$289,106.00	\$289,105.26	\$289,105.26	\$0.74	
Trip Coil Monitor							
4	RAW Trip Coil Monitor	\$15,800.00	\$15,800.00	\$15,800.00	\$15,800.00		
5	Materials	\$39,500.00	\$39,500.00			\$0.00	
6	T&D Labor	\$40,000.00	\$40,000.00			\$39,500.00	
7	Engineering Management	\$20,000.00	\$20,000.00			\$40,000.00	
	TOTAL FOR TCM	\$115,300.00	\$115,300.00	\$15,800.00	\$15,800.00	\$99,500.00	
Primary & Backup Relay Installation							
8	SEL-311C Relay	\$66,300.00	\$66,300.00	\$50,443.00	\$50,443.00	\$15,857.00	11498 OP
9	SEL-387-5 Relay	\$23,200.00	\$23,200.00	\$16,536.00	\$16,536.00	\$6,664.00	
10	SEL-421 Relay	\$15,400.00	\$15,400.00	\$17,162.00	\$17,162.00	(\$1,762.00)	12631 OP
11	SEL-587 Relay	\$2,800.00	\$2,800.00			\$2,800.00	
12	SEL-501 Relay	\$10,000.00	\$10,000.00	\$5,100.00	\$5,100.00	\$4,900.00	
13	SEL-311A Relay	\$2,650.00	\$2,650.00			\$2,650.00	
14	SEL-351	\$0.00	\$8,589.00	\$8,589.00	\$8,589.00	(\$8,589.00)	
15	SEL-2030 Relay	\$56,000.00	\$56,000.00	\$31,854.00	\$31,854.00	\$24,146.00	
16	Materials	\$176,000.00	\$176,000.00	\$10,262.70	\$10,262.70	\$165,737.30	12628 OP
17	T&D Labor	\$220,000.00	\$220,000.00	\$22,762.73	\$22,762.73	\$197,237.27	
18	Engineering Support	\$80,000.00	\$80,000.00	\$9,158.81	\$9,158.81	\$70,841.19	
	TOTAL FOR RELAYS	\$652,350.00	\$660,939.00	\$171,868.24	\$171,868.24	\$480,481.76	
GPS Clock							
18	SEL-2401 GPS Clock	\$16,100.00	\$22,484.30	\$22,484.30	\$22,484.30	(\$6,384.30)	11497 OP
19	SEL-9321 Power Supply	\$6,440.00	\$6,440.00	\$2,300.00	\$2,300.00	\$4,140.00	
20	Cables and Accessories	\$8,000.00	\$8,000.00	\$6,960.14	\$6,960.14	\$1,039.86	11500 OP
21	Materials	\$7,079.00	\$7,079.00	\$2,997.02	\$2,997.02	\$4,081.98	
22	T&D Labor	\$30,000.00	\$30,000.00	\$26,961.26	\$26,961.26	\$3,038.74	
23	Engineering Support	\$20,000.00	\$20,000.00	\$2,995.70	\$2,995.70	\$17,004.30	
	TOTAL FOR GPS CLOCKS	\$87,619.00	\$94,003.30	\$64,698.42	\$64,698.42	\$22,920.58	
SUMMARY							
24	TOTAL FOR STUDY	\$289,106.00	\$289,106.00	\$289,105.26	\$289,105.26	\$0.74	
25	TOTAL FOR TCM	\$115,300.00	\$115,300.00	\$15,800.00	\$15,800.00	\$99,500.00	
26	TOTAL FOR RELAYS	\$652,350.00	\$660,939.00	\$171,868.24	\$171,868.24	\$480,481.76	
27	TOTAL FOR GPS CLOCKS	\$87,619.00	\$94,003.30	\$64,698.42	\$64,698.42	\$22,920.58	
28	TOTAL COST	\$1,144,375.00	\$1,159,348.30	\$541,471.92	\$541,471.92	\$602,903.08	