

1 **D. GRAHAM BOTHA, ESQ.**
2 **LEGAL COUNSEL FOR GPA**
3 **Guam Power Authority**
4 **1911 Route 16, Ste 227**
5 **Harmon, Guam, 96913**
6 **Tel: (671) 648-3203/3180**
7 **Fax: (671) 648-3290**

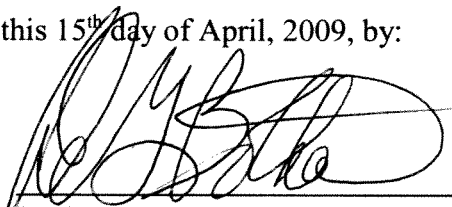
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9 *Attorney for the Guam Power Authority*

10
11 **BEFORE THE PUBLIC UTILITIES COMMISSION**

12
13 IN THE MATTER OF) DOCKET NO.94-04
14)
15 The Guam Power Authority's Filing)
16 of Quarterly Excess Bonds Status)
17 Reports)
18)
19 _____)
20

21 **COMES NOW**, GUAM POWER AUTHORITY and hereby files GPA's Excess Bonds
22 Quarterly Status Reports for the GPA Integrated Resource Plan Development, Wind Study, Cost
23 of Service Study and Transmission Study for January to March 2009.

24 **RESPECTFULLY SUBMITTED** this 15th day of April, 2009, by:

25
26 

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

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

Report Date: April 13, 2009

Project: GPA Integrated Resource Plan Development
(FY 2007-2009 Tasks)

Business Units: 100091

Funding Source: Excess Bond Funds (79%)
O&M Funds (21%)

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:

\$ 343,156.79	FY 07-09 Total
\$ 50,000.00	FY 07 O&M Funds (11753-OP)
\$ 34,441.24	FY 07 Excess Bond Funds (11753-OP)
\$ 215,558.76	FY 08 Excess Bond Funds (11992-OP)
\$ 22,161.09	FY 08 O&M Funds (11992-OP)
\$ 20,995.70	FY 09 Excess Bond Funds (13034-OP)

(Additional Request)

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.
- Initiated discussions and runs for further investigations on LNG fuel strategy.
- Received PUC approval on IRP draft in December 2008 with implementation conditions under Memorandum of Understanding signed December 2008
- Pending further review of LNG fuel strategy and submittal of addendum to the IRP addressing MOU concerns.

Project Schedule:

Actual Start : July 9, 2007
Excess Bond Use Approval: August 13, 2007
Additional Excess Bonds Approval: October 3, 2008

Planned Draft Completion: March 2008
Actual Draft Completion: June 12 2008
(Draft submitted to PUC)
PUC Comments Received: Sept. 17, 2008

Planned Final Completion: June 2008
Actual Completion: Dec 2008
(PUC approves IRP with MOU)
Actual FINAL Completion:
(IRP Addendum addressing MOU concerns)


Completed to Date: 99%

Progress Payment: \$ 72,162.09 O&M Funds
\$ 250,000.00 Excess Bond Funds
\$ 19,642.00 Excess Bond Funds (*Additional Request*)

Project Funding Balance: \$ 1,353.70 Excess Bond Funds

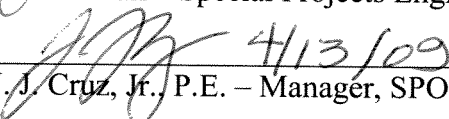
See summary spreadsheet attached.

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: 4/13/09

Task	Description	Project Original Est. (FY07-FY08)	FY 2007 Invoices (1)			Updated Total Project Est. (FY07-FY08) ⁽²⁾	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	15,132.70	12,010.80	-	12,010.80	12,010.80	-	100%	
102	Review Current IRP Database	19,192.80	2,666.40	-	2,666.40	33,990.00	32,709.60	100%	
103	Provide DSM Parameters	37,984.10	17,510.90	-	17,510.90	55,298.10	37,336.20	100%	
104	Update Supply Side Options	9,528.20	-	-	-	13,483.80	13,114.20	100%	
105	Facilitate Stakeholder Process	80,676.20	15,961.28	-	15,961.28	105,517.98	103,667.17	100%	
106	Review Letter Report	15,037.00	-	-	-	5,500.00	2,943.60	99%	
107	White Paper on Impacts of 2005	17,278.80	1,850.62	1,261.83	3,112.45	10,841.67	-	100%	
108	Project Management	17,770.80	-	13,473.46	13,473.46	32,469.91	20,726.28	100%	
109	Regulatory and Legislative Support	18,000.40	-	19,705.95	19,705.95	25,342.35	5,636.40	100%	
110	Environmental Issues	19,213.00	-	-	-	13,979.35	(4)	100%	
113	Wind Study Discussion & Development	-	-	-	-	976.80	976.80	100% ⁽⁶⁾	
114	Integrated Gasification Combined Cycle (IGCC) Research	-	-	-	-	2,505.80	2,505.80	100%	
115	Central Stat PV Power Plant Research	-	-	-	-	4,001.80	4,001.80	100%	
116	Review Military Planning Impacts	-	-	-	-	6,520.80	6,520.80	100%	
117	New Acquisition Discussion	-	-	-	-	7,581.20	7,581.20 ⁽⁵⁾	100%	
		249,814.00	50,000.00	34,441.24	84,441.24	330,020.36	237,719.85⁽³⁾	98%⁽⁷⁾	

FY 2007-2008 Invoices Total: \$ 322,161.09⁽⁸⁾
 Anticipated Invoices for FY 2009 (Pending): \$ 50,000.00⁽⁹⁾

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 were near or exceed initial estimates. The costs were again updated in May 2008 to include the initial research and technical review of Tasks 113 - 118. (Further Wind Study work will be done in another purchase order)
- (3) The original purchase order amount for FY 2008 of \$215,558.76 was increased with O&M funds by \$22,161 before closing with this final P.O. amount.
- (4) This portion of the tasks is being paid through a Memorandum of Understanding with Marianas Electric Company.
- (5) This is the final total of FY 08 invoices paid.
- (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) Purchase orders for FY 2007 and FY 2008 have been closed. Additional IRP charges will be billed against current purchase order (see FY 09 Summary)
- (9) PUC approved additional Excess Bond Funds on Oct. 3, 2008 to address PUC Consultant concerns on comments received September 17, 2008. See FY 2009 Summary for the expense summary.

BOND FUNDS QUARTERLY REPORT

Integrated Resource Plan - Project Costs Summary (FY09)
 Vendor: Winzler Kelly
 Updated: 4/13/09

Task	Description	Project Estimate (FY 09)	FY 2009 Invoices Paid to Date	PERCENT COMPLETE
09-0101	Further analysis into fuel diversification	6,369.60	6,741.88	90%
09-0102	LNG Facility Capital investment analysis	4,131.70	4,184.28	90%
09-0103	Evaluation of GPA Involvement in Guam Sea Water Air Conditioning (GSWAC) Project	4,193.80	3,289.00	0%
09-0104	Evaluation of cost impact (additional generation costs only)	6,300.60	5,426.85	90%
		20,995.70¹	19,642.00²	90%

FY 2007-2008 Invoices Total: 322,161.09
FY 2009 Invoices Total: 19,642.00
Total Invoices To Date: 341,803.09

NOTES:

- (1) PUC approved additional Excess Bond Funds on Oct. 3, 2008 up to \$50K to address additional concerns. This is the current P.O. amount based on initial tasks.
- (2) This is total invoice amounts thru December 2008 paid to date. No additional invoices pending at this time.

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

Report Date: April 13, 2009

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)
Purchase Order: 12499-OP

- 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 in October 2008.
 - Received report draft in November 2008 and final report on December 2, 2008.

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

Planned Completion - July 2008
Actual Completion - December 2, 2008

Progress Payment: \$ 20,238.53
Project Funding Balance: \$ 7,261.47

Wind Monitoring Tower Erection and Data Collection & Analysis

Contractor: Pending
Contract Amount: \$ 210,000.00 (*Estimated*)
Purchase Order: Pending

- Activities Completed:**
- Submitted temporary land lease request in December 2008 to Dept. of Agriculture for proposed tower sites in December 2008 via draft Memorandum of Understanding.
 - Completed draft of tower construction and data analysis procurement documents in November 2008. (*Final pending comments from Dept. of Agriculture as provisioned in proposed MOU.*)
 - Further investigation into land ownership shows GWA as property owner. GPA working with GWA on lease agreement.
 - Contract pending land lease approval.

Project Schedule: Planned Start - July 2008
Actual Start -

Planned Completion - July 2009
Actual Completion -

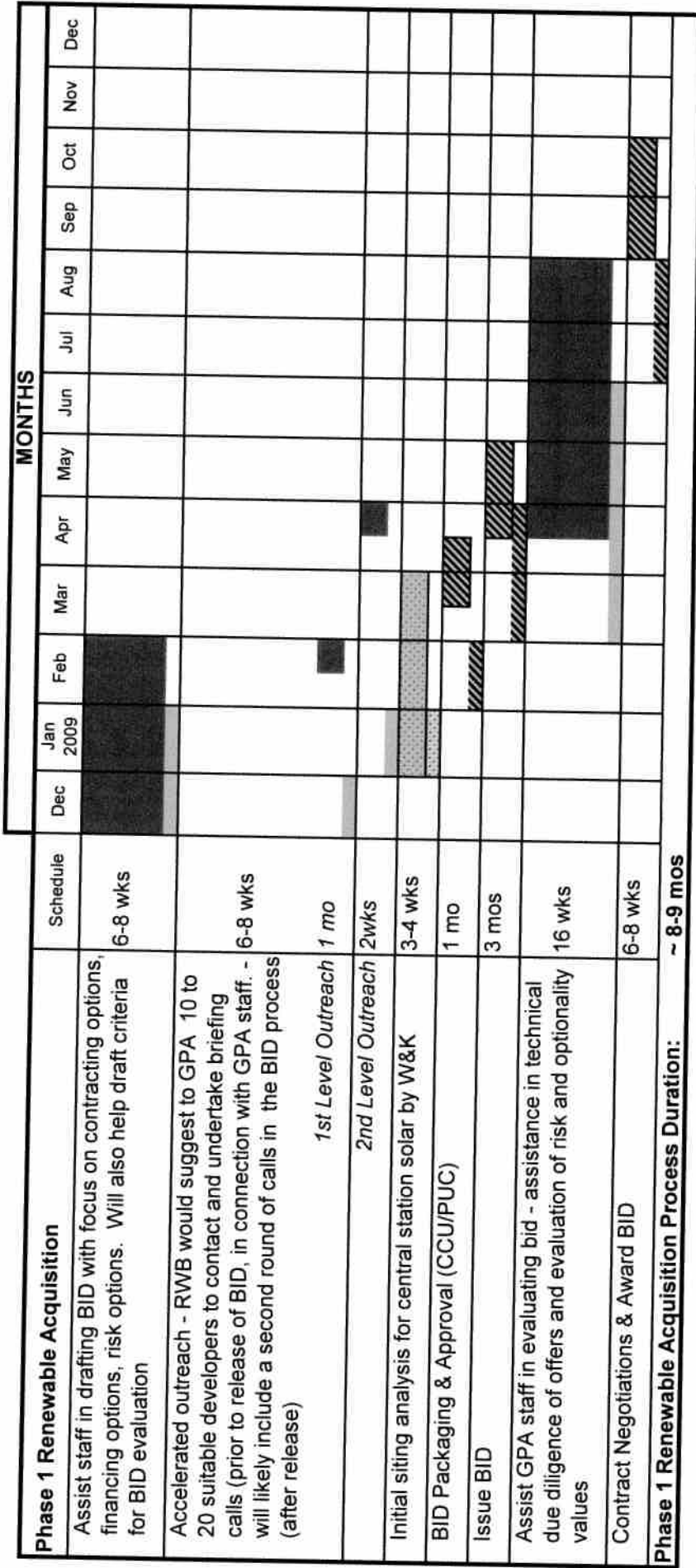
Progress Payment: *Pending contract award.*

Procurement Documents Development & Support

Contractor: Winzler & Kelly/RWBeck
Contract Amount: \$ 150,123.10 (Awarded October 2008)
Purchase Order: 13035-OP

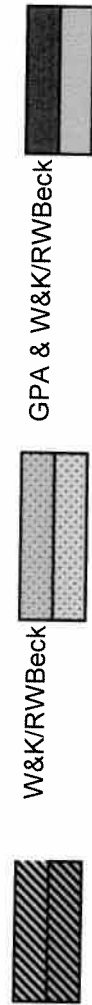
- Activities Completed:**
- PUC clarification of approved fund use received on October 3, 2008.
 - Coordinated consultant and project schedule.
 - Initiated kick off meeting with senior management on request for proposal framework

GPA Renewable Acquisition Project Schedule

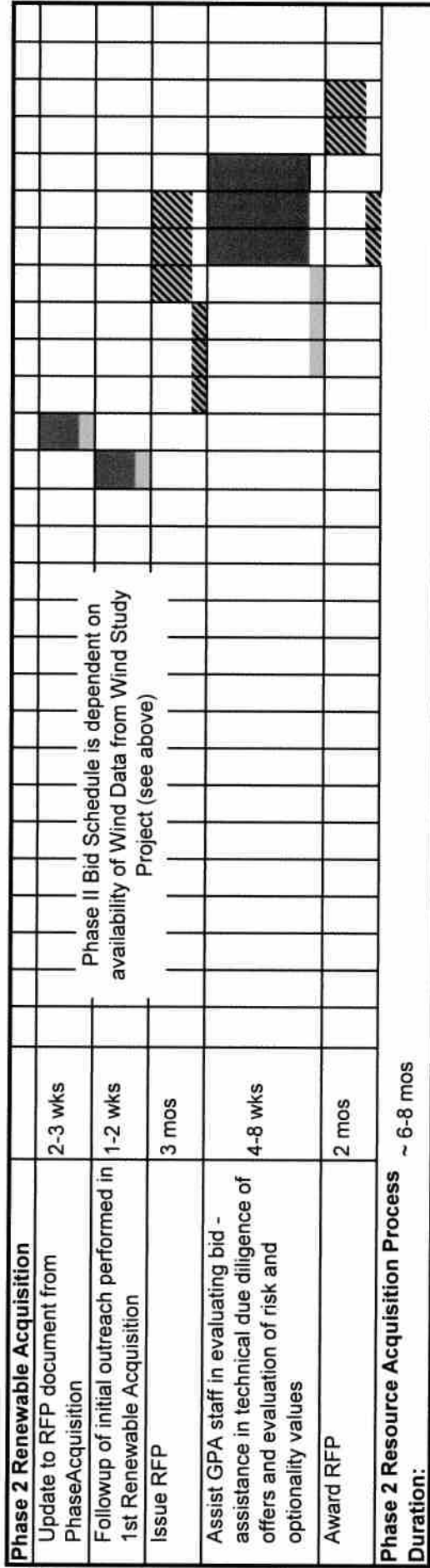
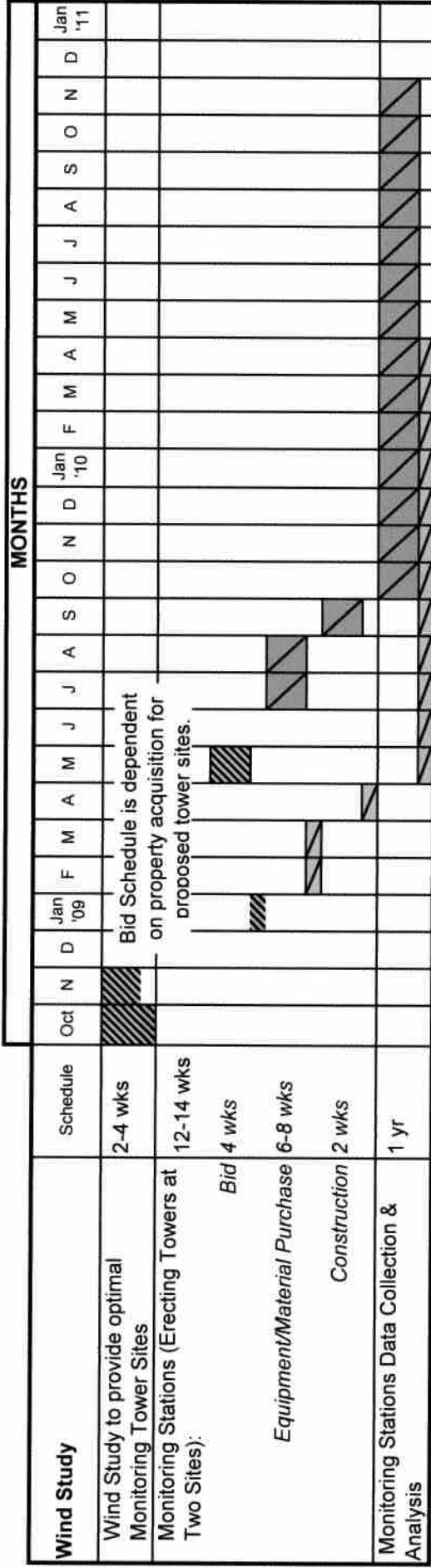


LEGEND

Updated Schedule (4/13/09): GPA
 Original Schedule (1/6/09):



GPA Renewable Acquisition Project Schedule



LEGEND

- Updated Schedule (4/13/09): GPA
- Original Schedule (1/6/09):
- W&K/RWBeck
- GPA & W&K/RWBeck
- Contractor

QUARTERLY PROGRESS REPORT

Report Date: 4/14/09

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.
- Invoice #3 in the amount of \$732.60 paid February 2009.
- Invoice #4 in the amount of \$7,729.15 paid March 2009.

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
- Finalized power flow models for analysis

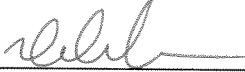
Project Schedule: Planned Start: October 1, 2007
Actual Start: October 1, 2007

Planned Finish: June 1, 2009
Actual Finish:

Completed to Date: 85%

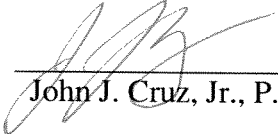
Progress Payment: \$ 117,196.66

Prepared By:



Roel A. Cahinhinan, P.E.

Approved By:



John J. Cruz, Jr., P.E.

QUARTERLY PROGRESS REPORT

Report Date: 04/14/08

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: \$423,093 12684 OP / 12685 OP

Administrative Activities:

- Purchase orders awarded on August 19, 2008.
- Invoice #1 (PO#12685) in the amount of \$61,643.75 paid March 2009.
- Invoice #2 (PO#12685) in the amount of \$10,340.00
- Invoice #1 (PO#12684) in the amount of \$2,965.00
- Amended Purchase Order to reflect adjusted cost of Load Study Meters and payment by Letter of Credit.
- Finalizing Letter of Credit for the Payment of the

Load Study Meters

Project Activities:

-
- Developed 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
- Completed Meter Specifications for each Locations
- Finalized Quote for the Load Study Meters
- Meters on Order

Project Schedule:

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


Completed to Date:

15%

Progress Payment:

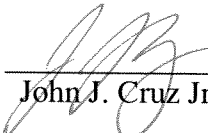
\$ 74,948.75

Prepared By:



Roel A. Cahinhinan, P.E.

Approved By:



John J. Cruz Jr. P.E.