

MONTHLY PROGRESS REPORT FOR CONTRACT NO. 500-00-036

PROJECT 3.2 – BUILDING INTEGRATED PV TESTING AND EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

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**What we planned to accomplish this period:**

- The IEUA-Commonwealth BI-PV energy purchase contract approval by the IEUA Board appears to be stalled until April. Although preparations will continue for the large systems comparison, the focus will shift to the small systems comparison since that process can take place independently of the large system comparison.
- An update will be sent to the Project 3.2 Technical Advisory Committee on the developments in the large system comparison and the plans for the small system comparison.
- An agreement with Commonwealth will be proposed to procure the small systems that are planned for installation at PVUSA.

**What we actually accomplished this period:**

Task 3.2.2a: Large Systems Testing:

- Several communications took place between Endecon Engineering, Commonwealth Energy, and IEUA but the project equipment acquisition is on hold pending IEUA Board approval. The Board asked several questions, and staff answered those questions. At present there are no known problems, and approval is expected although the installation schedule has clearly slipped as a result of these Board approval delays.
- An update was sent to the Technical Advisory Committee on the developments in the large system comparison and the plans for the small system comparison.
- A minor amount of procurement and planning continued for the installation of the large systems.
- Progress was made on the assembly of the data acquisition system for the Large Systems Testing and it was nearly completed in this time period.

Task 3.2.2b: Small Systems Testing:

- An agreement with Commonwealth was proposed to procure the small system to be installed at PVUSA.
- A minor amount of procurement and planning continued for the installation of the small systems.

**How we are doing compared to our plan:**

- The Commonwealth Team's Project 3.2 task activity has been held up due to continued negotiations and approval delays of the Commonwealth-IEUA BI-PV energy purchase agreement. This delay has a minor trickle-down effect on other Project tasks. Most affected is Project 3.3, however the contractual delays in Project 3.2 should help resolve future issues in Project 3.3 that may be related to these team members.

**Significant problems or changes:**

- Delays in the installation of the large systems have slowed - but not halted progress on these tasks. IEUA has made several requests for additional information before entering into a final contract with Commonwealth Energy for the 60 kW PV system. All of these information requests have been fulfilled. The IEUA-Commonwealth BI-PV energy purchase contract will be presented to the IEUA Board for approval at their meeting in April, as proposed in the previous status report.
- Contract approval will likely result in more than a day-for-day slip since shipping delays for equipment could hold up the project due to the need for scheduling of foreign shipments.
- These task 3.2 delays are likely to impact the project schedule for Task 3.2.3, and it may impact costs as well.

**What we expect to accomplish during the next period:**

- IEUA-Commonwealth BI-PV contract issues will hopefully be resolved in April and the purchase orders for the equipment processed as soon as possible after the contract is in place.

**Status of Milestones and Deliverables:**

Table 1 below summarizes the status of Project 3.2 task deliverables as of the end of the current reporting period.

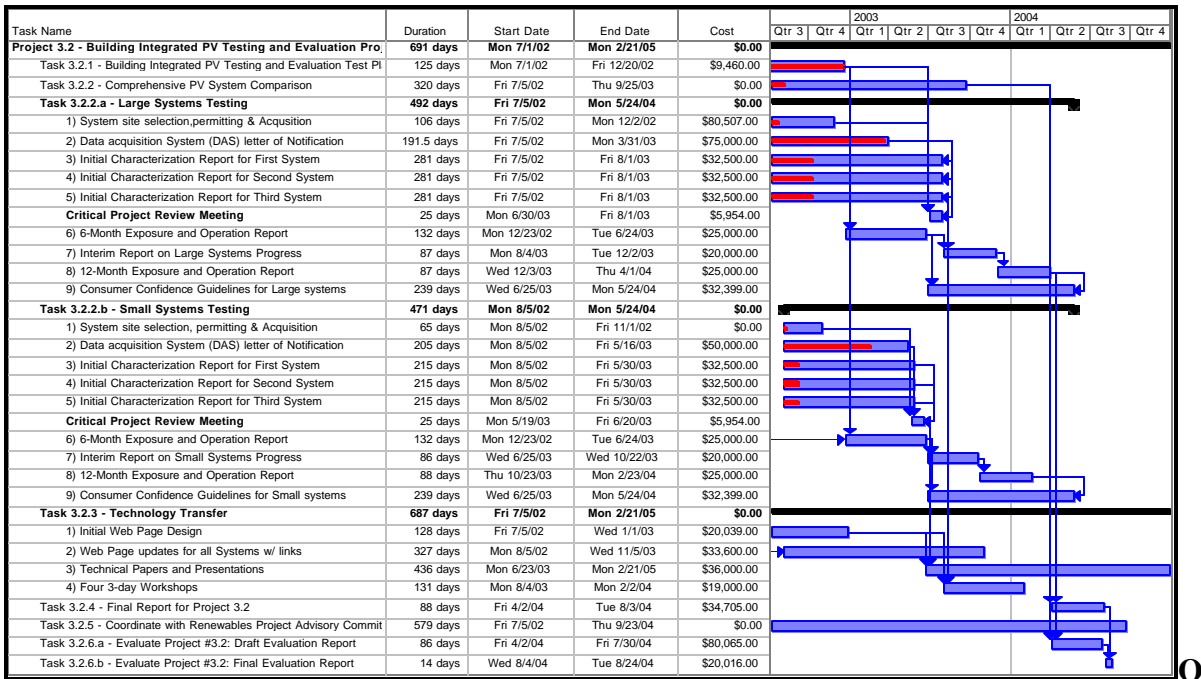
**Table 1: Summary of Project Status and Deliverables Project 3.2**

Task No.	Description	Task Start Date		Task Due Date		Status (%)
		Plan	Actual	Plan	Actual	
3.2.1	BI-PV Evaluation Test Plan	6/20/02	07/01/02	7/20/02	12/20/02	100%
3.2.2a (2)	LS: DAS Letter	07/05/02	07/05/02	03/31/03		97%
3.2.2a (3)	LS: 1 <sup>st</sup> System Report	07/05/02	07/05/02	08/01/03		25%
3.2.2a (4)	LS: 2 <sup>nd</sup> System Report	07/05/02	07/05/02	08/01/03		25%
3.2.2a (5)	LS: 3 <sup>rd</sup> System Report	07/05/02	07/05/02	08/01/03		25%
3.2.2b (5)	SS: DAS Letter	08/04/02	08/04/02	05/16/03		70%
3.2.2b (2)	SS: 1 <sup>st</sup> System Report	08/04/02	08/04/02	05/30/03		12%
3.2.2b (3)	SS: 2 <sup>nd</sup> System Report	08/04/02	08/04/02	05/30/03		12%
3.2.2b (4)	SS: 3 <sup>rd</sup> System Report	08/04/02	08/04/02	05/30/03		12%

LS = Large Systems

SS = Small Systems

**Overall Schedule for Project 3.2:**



**Overview of Fiscal status:**

Table 2 below summarizes the fiscal status of Project 1.1 by task as of the end of the current reporting period.

**Table 2: Fiscal Status by Task**

Task Number	Budget	Invoiced To-Date	Fiscal Status *
3.2.1	\$9,460	\$9,460	OT
3.2.2a (2)	\$75,000	\$0	OT
3.2.2.a (3)	\$32,500	\$0	OT
3.2.2a (4)	\$32,500	\$0	OT
3.2.2a (5)	\$32,500	\$0	OT
3.2.2b (2)	\$50,000	\$0	OT
3.2.2b (3)	\$32,500	\$0	OT
3.2.2b (4)	\$32,500	\$0	OT
3.2.2b (5)	\$32,500	\$0	OT
3.2.3	\$108,639	\$0	OT
3.2.4	\$34,705	\$0	OT

\*Fiscal Status – Please indicate if you are “On Track” (OT), OverBudget (OB), or UnderBudget (UB)