

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:

- A list of four prospective large systems will be disseminated to the members of the TAC and a conference call will be held to discuss the short list and determine the top three options. Work will continue on the data acquisition system (DAS) specifications once the three systems are finalized. Work will continue on finalizing the host site for both the large and small system comparisons.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- Progress was made on the development of specifications of equipment and drawings for the DAS to be used for the large systems comparison.
- Research on available BI-PV products took place to provide a series of appropriate products for the TAC to select for the large system comparison. Two new systems were identified that were announced as available in press conferences at the Solar Electric Power Association (UPEX '02) annual conference in Austin, Texas in November, 2002.
- A list of four prospective large systems was disseminated to the members of the TAC and a conference call was held to discuss the short list and determine the top three options. The TAC chose three options. One of those options included a series of smaller systems each with a different PV array.
- The site for the large systems was selected by the Team. It is the new administration building for Inland Empire Utilities Agency (IEUA). Official confirmation of the use of the site for the Project 3.2 Large Systems testing purposes will need to take place over the next month.

Task 3.2.2b Small Systems Testing

- Progress was made on the development of specifications of equipment and drawings for the data acquisition system (DAS) to be used for the small system comparison.

How we are doing compared to our plan:

- The Commonwealth Team's Project 3.2 task activity has progressed according to our work plan through this reporting period.
- The schedules for several of the tasks under 3.2.2. are running behind schedule due to difficulties over siting the large systems. That issue has been resolved by the Project Team and it appears that the Project 3.2 schedule will be set back about eight weeks overall.

Significant problems or changes:

No significant problems or changes were encountered during this reporting period. Delays existed in the siting of the large systems. These delays are common and were foreseen before the program began. The delay in starting the overall Commonwealth PIER program is partly responsible for additional delay with the system siting. Current progress and expenditures will result in the project being completed on time and within budget. Individual tasks delays will not significantly impact the overall project schedule.

What we expect to accomplish during the next period:

- The TAC will review a series of nearly 15 potential arrays to use for the third, 20 kW large systems component and they are expected to provide comments on their preferences. Selection of 10 of the 15 arrays will subsequently be made by the Project Team with the input from the Project 3.2 TAC.
- The Project Team will work together to finalize arrangements for the host site of the three, 20 kW systems and develop a strategy to procure and receive the hardware for the project.
- Procurement will begin for the three, 20 kW systems. A request for quotations will be drafted and sent to at least three qualified companies to obtain bids for installation services.

Commonwealth Energy PIER Renewables Affordability Mini-Grid Program Status Report

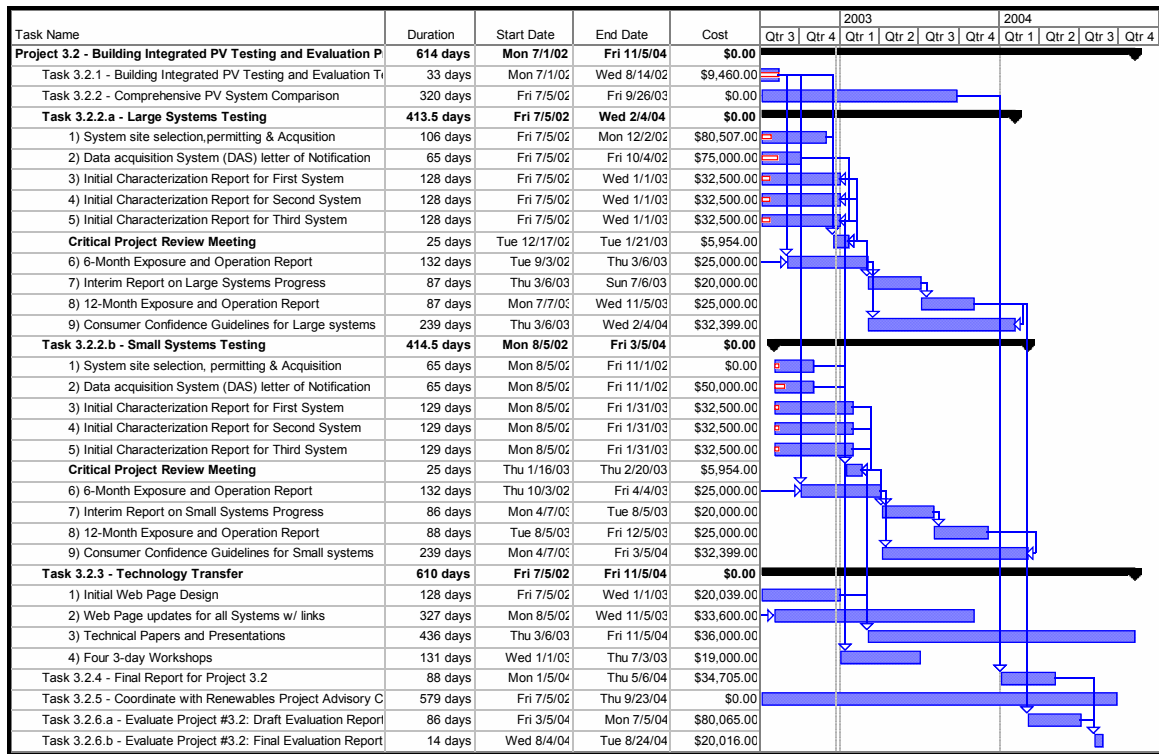
Status of Milestones and Deliverables:

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	8/14/02	100%
3.2.2a (2)	LS: DAS Letter	07/05/02	07/05/02	10/04/02		40%
3.2.2a (3)	LS: 1 st System Report	07/05/02	07/05/02	1/01/03		10%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	1/01/03		10%
3.2.2a (5)	LS: 3 rd System Report	07/05/02	07/05/02	1/01/03		10%
3.2.2b (5)	SS: DAS Letter	08/04/02	08/04/02	11/03/02		25%
3.2.2b (2)	SS: 1 st System Report	08/04/02	08/04/02	1/31/03		5%
3.2.2b (3)	SS: 2 nd System Report	08/04/02	08/04/02	1/31/03		5%
3.2.2b (4)	SS: 3 rd System Report	08/04/02	08/04/02	1/31/03		5%

Overall Schedule for Project 3.2:



Overview of Fiscal status:

Table 2 below summarizes the fiscal status of Project 3.2 by task as of the end of the current reporting period.

Table 2: Fiscal Status By Task – Project 3.2

Task Number	Budget	Invoiced To-Date	Fiscal Status *
3.2.1	\$9,460	\$0	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)