

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

PROJECT 3.2 – BUILDING-INTEGRATED PV TESTING & EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

September 2002

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What we planned to accomplish this period:

Comments received from the Technical Advisory Committee (TAC) regarding the first draft of the Project Plan will be incorporated into the plan during September. We anticipate that the Final Plan will be submitted as the first deliverable for this project. Additionally, sites for Task 3.2 projects will be reviewed for presentation to the TAC for selection.

What we actually accomplished this period:

Task 3.2.1 Building Integrated PV Testing and Evaluation Test Plan:

- Comments were received from the TAC members throughout this month on the first draft of the BI-PV Evaluation Test Plan.
- Conference calls were held and emails exchanged with several members of the TAC to clarify comments they made and to discuss options for how to address those comments.

Task 3.2.2a (1) Comprehensive Large PV System Comparison – System Site Selection, permitting and acquisition:

- Progress was made on the development of specifications of equipment and drawings for the data acquisition system to be used for the large system comparison.
- Planning, including development of a timeline for tasks within the large system comparison tasks were accomplished during this month.
- A trip was made with Keith Rutledge of REDI to Southern California to look at facilities belonging to Inland Empire Utilities Agency (IEUA) that could accommodate all 60 kW of PV systems to be tested under the *Large System* comparison portion of the project. Several sites were selected for review and these sites were visited and evaluated.

- On the same trip to Southern California, a meeting was held with Max Carpenter and the Chief Operating Officer of Commonwealth Energy Corporation to discuss the details of how the initial 6 60 kW of PV systems would be handled financially with their customer. This included discussion of performance of the PV systems, discussion of the evaluation project, and ownership issues.

Task 3.2.2b (1) Comprehensive Small PV System Comparison – System Site Selection, permitting and acquisition:

- Progress was made on the development of specifications of equipment and drawings for the data acquisition system to be used for the small system comparison.
- Planning, including development of a timeline for tasks within the small system comparison tasks were accomplished during this month.

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.

Significant problems or changes:

No significant problems or changes were encountered during this reporting period. Current progress and expenditures will result in project being completed on time and within budget

What we expect to accomplish during the next period:

A second draft of the BI-PV Evaluation Test Plan will be circulated to the Project 3.2 TAC and a conference call will be held to jointly discuss the incorporation of the comments into the Test Plan. Research on available BI-PV products will take place to provide a selection of products for the TAC to select, for the Large Systems comparison.

Commonwealth Energy PIER Renewables Affordability Mini-Grid Program Status Report

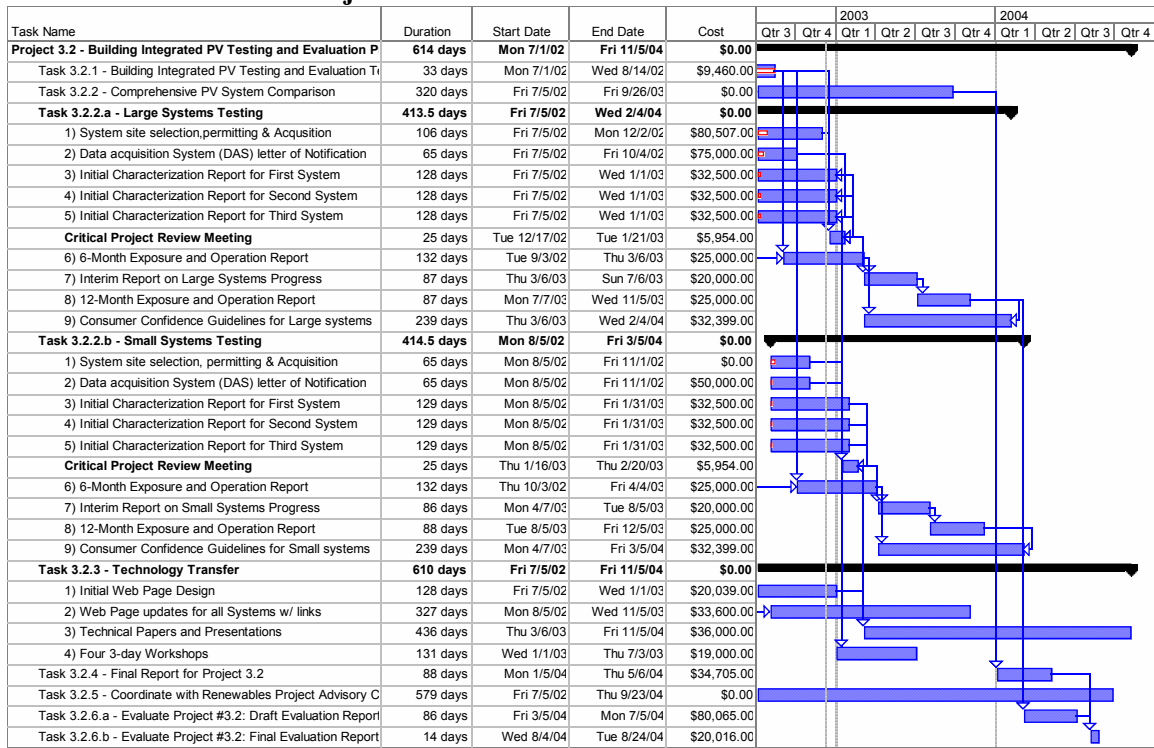
Status of Milestones and Deliverables:

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	98%
3.2.2a (1)	LS: Site Selection	07/05/02	07/05/02	12/02/02		15%
3.2.2a (2)	LS: DAS Letter	07/05/02	07/05/02	10/04/02		15%
3.2.2a (3)	LS: 1 st System Report	07/05/02	07/05/02	1/01/03		3%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	01/01/03		3%
3.2.2a (5)	LS: 3 rd System Report	07/05/02	07/05/02	01/01/03		3%
3.2.2b (1)	SS: DAS Letter	08/04/02	08/04/02	11/03/02		10%
3.2.2b (2)	SS: 1 st System Report	08/04/02	08/04/02	1/31/03		2%
3.2.2b (3)	SS: 2 nd System Report	08/04/02	08/04/02	1/31/03		2%
3.2.2b (4)	SS: 3 rd System Report	08/04/02	08/04/02	1/31/03		2%

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)