

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:

- Endecon anticipated that the problem with the PowerLight array interaction with the inverter, would be resolved.
- Endecon planned to receive approval of the SGIP reservation request that upon receipt will allow an interconnection agreement request to be submitted for the entire large system.
- Endecon anticipated submitting the interconnection agreement application to SCE for the 60 kW large system.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- The problem with the PowerLight System was resolved. Xantrex, the inverter manufacturer was able to successfully reprogram the inverter to resolve the erratic operation of the system.
- As anticipated, clearance was received from the Self-Generation Incentive Program confirming that the previously submitted reservation request had been approved and was eligible for funding upon completion of the project.
- The interconnection agreement application was submitted for the whole large system.
- Continued preparation of the large system 1st Initial Characterization Report.

Task 3.2.2b Small Systems Testing:

- Discussions continued with NUON regarding the details for starting the Small System project at the Davis PVUSA site. An agreement for the use of the facility was drafted this month, but an issue arose related to Endecon's current liability insurance coverage. Endecon is reviewing their coverage and the requirements in more detail.

- Continued work on the BI-PV System Evaluation Plan website.

How we are doing compared to our plan:

The CE Team’s Project 3.2 task activity is proceeding as planned. Previous delays have been covered in previous reports.

Significant problems or changes:

There are no significant problems or changes to report this month. Progress and expenditures will result in the project being completed on time under the revised scheduled (Exhibit B) and within project budget.

What we expect to accomplish during the next period:

- Endecon anticipates the finalization of the interconnection agreement, in order to allow the startup of the large system.
- It is anticipated that the inverters will be shipped to Sandia for testing prior to installation for the small systems test.

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.

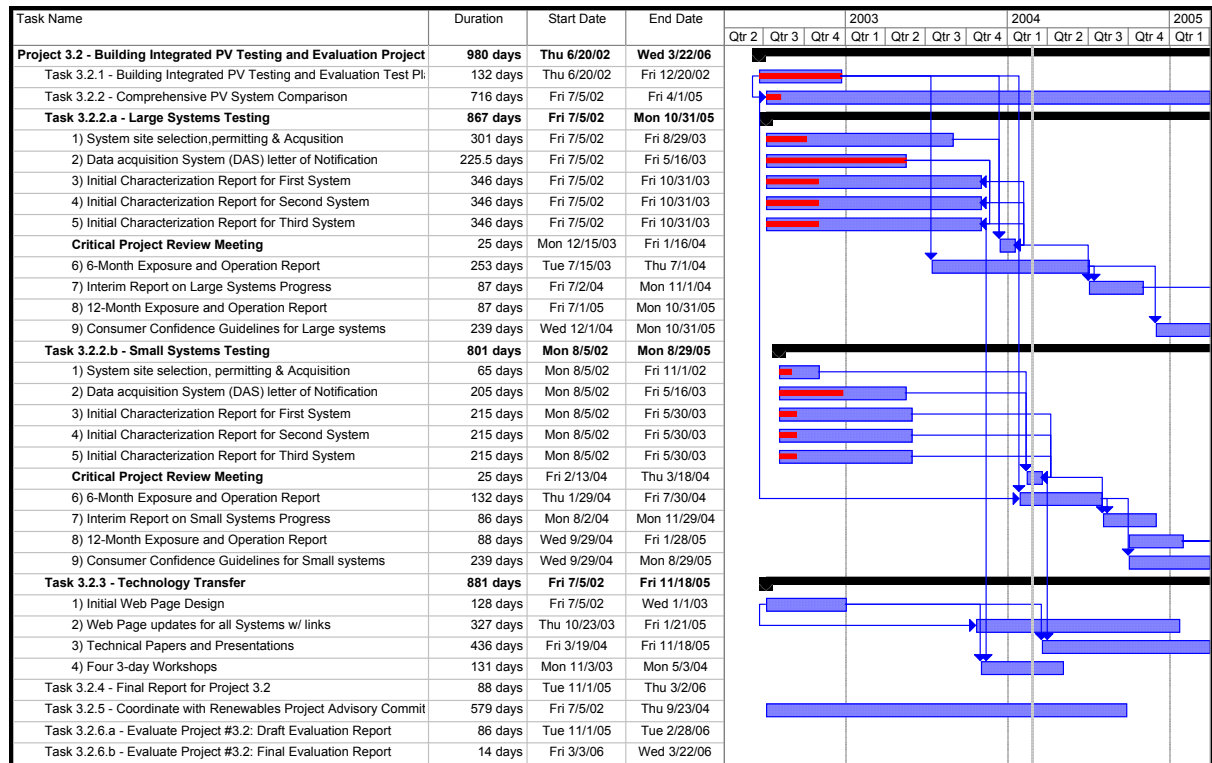
Table 1: Summary of Project Status and Deliverables - Project 3.2

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	07/20/02	12/20/02	100%
3.2.2a (1)	Large Systems Site Selection Permitting & Acquisition	7/5/02	8/1/2002	08/31/03		95%
3.2.2a (2)	LS: DAS Letter	07/05/02	07/05/02	03/03/03	5/16/03	100%
3.2.2a (3)	LS: 1 st System Report	07/05/02	07/05/02	10/31/03		90%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	10/31/03		75%
3.2.2a (5)	LS: 3 rd System Report	07/05/02	07/05/02	10/31/03		75%
3.2.2a (6)	6-Month Exposure and Operation Report	07/15/03		07/01/04		
3.2.2a (7)	Interim Report on Large Systems Progress	07/15/03		03/01/04		

Table 1: (continued) Summary of Project Status and Deliverables - Project 3.2

Task No.	Description	Task Start Date		Task Due Date		Status (%)
3.2.2b (1)	SS: Site Selection, Permitting & Acquisition	8/4/2002	8/1/2002	11/17/03		70%
3.2.2b (2)	SS: DAS Letter	08/04/02	08/04/02	12/31/03		60%
3.2.2b (3)	SS: 1 st System Report	08/04/02	08/04/02	1/29/04		20%
3.2.2b (4)	SS: 2 nd System Report	08/04/02	08/04/02	1/29/04		20%
3.2.2b (5)	SS: 3 rd System Report	08/04/02	08/04/02	1/29/04		20%
3.2.3 (1)	BI-PV Initial System Evaluation Webpage Design	07/05/02	10/01/03	10/31/03		65%
3.2.3 (2)	Web Page Updates for all systems with links	10/23/03		10/31/04		
3.2.3 (3)	Technical Papers and Presentations	03/31/03		03/31/04		50%
3.2.3 (4)	Four 3-Day Workshops	10/31/03		10/31/04		
3.2.5	Coordinate with Renewable Project Advisory Committee	07/05/02		11/29/05		25%

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	Invoiced¹ To-Date	Fiscal Status *
3.2.1	\$9,460	\$9,460	OT
3.2.2a (1)	\$80,507	\$0	OT
3.2.2a (2)	\$75,000	\$75,000	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
3.2.2 a (6)	\$25,000	\$0	OT
3.2.2a (7)	\$20,000	\$0	OT
3.2.2b (1)	\$0	\$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 (1)	\$20,039	\$0	OT
3.2.3 (2)	\$33,600	\$0	OT
3.2.3 (3)	\$36,000	\$0	OT
3.2.3 (4)	\$19,000	\$0	OT
3.2.4	\$34,705	\$0	OT

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

¹ Invoiced-to-date refers to amount invoiced prior to 10% retention being withheld.