

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 planned on scheduling its first teleconference with the Industry Advisory Committee in order to have them review the on-line data and providing their comments to Endecon and the CE Team.
- Endecon anticipated finalizing the agreement with NUON in order to install the systems at the Davis PVUSA site.
- Endecon planned on installing all three small 2 kW PV systems at PVUSA.
- Endecon planned to install the data acquisition system for all three PVUSA systems.
- Preparations were undertaken to begin to receive the data streaming to the website by May 2004.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- Data continues to stream to the web for review and enhancements were made to the website to improve the ability to understand the data.
- The final call for comments was made to the Technical Advisory Committee (TAC) for the *PowerLight Initial Characterization Report*.

Task 3.2.2b Small Systems Testing:

- As anticipated, the agreement was finalized with NUON for the installation of the small systems at PVUSA.
- The SMA inverter was tested at Sandia for characterization.

- Construction began on the RWE Schott Solar system and the Kyocera Solar systems. The RWE Schott Solar array was completely installed.
- The data system transducer box was assembled and wired and the installation of the data system was started.

Task 3.2.3(3)a Technical Papers and Presentations

- Endecon received a request to present the “*PV System Review and Evaluation: A Consumer-Awareness View of Available Systems*” at a statewide PV meeting to be held in May. This invitation was accepted as a means of outreach for the PIER program and to get the information on Project 3.2 to key members of the PV community.

How we are doing compared to our plan:

The CE Team’s Project 3.2 task activity is proceeding as planned. Earlier 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 will schedule its first teleconference with the Industry Advisory Committee for the purpose of their reviewing the on-line data and providing comments.
- The final call for comments will be made to the Technical Advisory Committee for the *PowerLight Initial Characterization Report*.
- Endecon plans to complete the installation of all three small 2 kW PV systems at PVUSA.
- Endecon plans to complete the installation of the data acquisition system for all three PVUSA systems.
- Data streaming for the small systems will begin for the website.

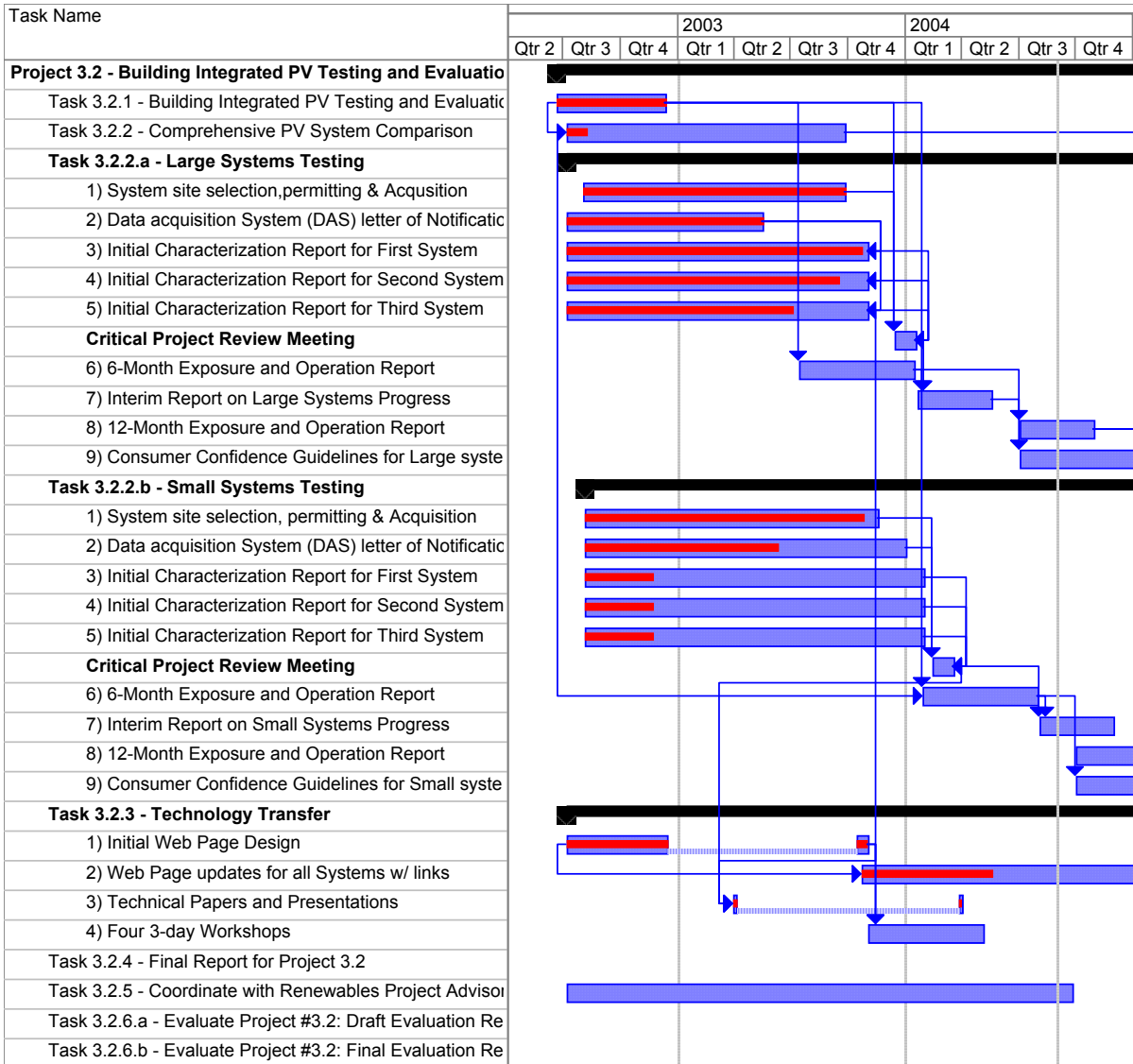
Status of Milestones and Deliverables:

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	3/1/04	100%
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		98%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	10/31/03		90%
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		
3.2.2b (1)	SS: Site Selection, Permitting & Acquisition	8/4/2002	8/1/2002	11/17/03	4/23/04	95%
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)	Initial Web Page Design	07/05/02		10/31/03		99%
3.2.3 (3) a	Technical Presentation # 1	03/31/03		03/31/04	10/16/03	75%

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.