

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

PROJECT 3.2 – BUILDING INTEGRATED PV TESTING AND EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

March 2004

Contractor Project Director:	Patrick Lilly (360) 906-0616
Contractor Project Manager:	Charles Whitaker (925) 552-1330
Commission Project Manager:	Zhiqin Zhang (916) 654-4063

What we planned to accomplish this period:

- Endecon anticipated that the startup of the large system would have occurred, and they would be receiving data streaming to the web for review.
- Endecon planned to finalize the *RWE Schott Initial Characterization Report* as well as forward the *PowerLight Initial Characterization Report* to the Technical Advisory Committee (TAC) for review and comment.
- It was anticipated that agreements with RWE Schott and Kyocera would be finalized in order to have all three (3) systems ready for installation at PVUSA.
- Endecon planned on finalizing the agreement with NUON in order to install the systems at the Davis PVUSA site.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- The Large System started up occurred on March 1, 2004.
- Data began streaming to the web for review.
- As anticipated, Endecon finalized the *RWE Schott Initial Characterization Report* and forwarded the *PowerLight Initial Characterization Report* to the Technical Advisory Committee for review.

Task 3.2.2b Small Systems Testing:

- The Sharp inverter was tested at Sandia for characterization.
- As anticipated, Endecon finalized the agreements with RWE Schott and Kyocera, in order to install all three systems at PVUSA.

- Significant progress was made on the agreement with NUON in order to install at PVUSA in April 2004.

Task 3.2.3(1) Initial Web Page Design

- Database and web issues were resolved so that the data could be viewed properly on the website.
- The initial web page design was completed in late March, and a web-link will be provided to the Commission in April for review and comments.

Task 3.2.3(3)a Technical Papers and Presentations

- A presentation, “*PV System Review and Evaluation: A Consumer-Awareness View of Available Systems*” was presented by Endecon twice in October at the Sandia Solar System Symposium. This presentation will be provided to the Commission for final review and comments in early April.

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 will schedule its first teleconference with the Industry Advisory Committee for the purpose of their reviewing the on-line data and providing comments.
- It is anticipated that the agreement with NUON will be finalized in order to install the systems at PVUSA.
- Endecon plans to install all three small 2 kW PV systems at PVUSA.
- Endecon plans to install the data acquisition system for all three PVUSA systems.
- Preparations will begin for data stream to the website by May 2004.

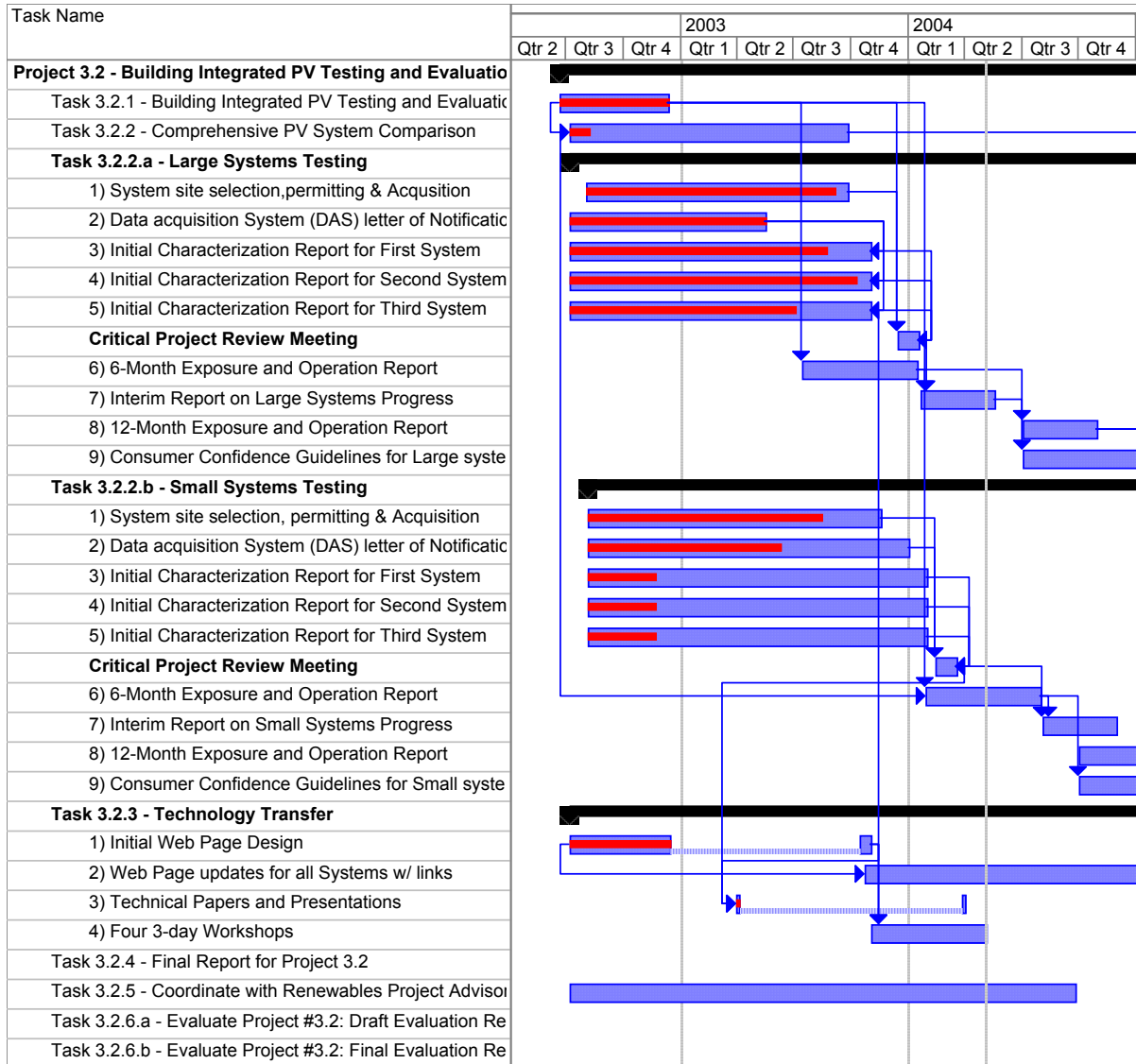
Status of Milestones and Deliverables:

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		95%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	10/31/03		85%
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		80%
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		90%
3.2.3 (3) a	Technical Presentation # 1	03/31/03		03/31/04	10/16/03	99%

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.