

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

PROJECT 3.2 – BUILDING INTEGRATED PV TESTING AND EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

February 2004

| | |
|------------------------------|---------------------------------|
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What we planned to accomplish this period:

- Endecon planned to finalize the interconnection agreement, which will allow the startup of the large system.
- It was anticipated that the inverters would be shipped to Sandia for testing prior to installation for the small systems test.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- The interconnection agreement application was approved for the whole large system. This will allow the System to start on March 1, 2004.

Task 3.2.2b Small Systems Testing:

- As anticipated, The Sharp inverter was shipped to Sandia for characterization.
- Progress was made on the agreements with RWE Schott and Kyocera for the lending of systems for the evaluation.
- Progress was made on the agreement with NUON for the small system project at the Davis PVUSA site.

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

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 | | |

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.