

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 2003

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**What we planned to accomplish this period:**

- IEUA-Commonwealth Contract to be approved by the IEUA Board with Commonwealth to supply the 60 kW PV system on the new IEUA headquarters building. IEUA to provide a location to receive materials so that procurement and delivery can commence.
- Arrangements to be developed to coordinate with IEUA on all aspects of preparation and installation of the large PV system. This is particularly important since the building that will host these systems is currently under construction.
- Procurement of equipment and materials to begin.
- The data acquisition equipment for the large system evaluation to be assembled in preparation for installation at the IEUA Headquarters Building. The DAS Letter of Notification along with the DAS manual to be submitted for approval as evidence of completion of that deliverable

**What we actually accomplished this period:**

Task 3.2.2a Large Systems Testing:

- Several communications took place between Endecon Engineering, Commonwealth Energy, and IEUA but the project is on hold pending IEUA Board approval. Several questions were asked by the Board, and those questions were answered by staff. At present there are no known problems, and approval is expected though the installation schedule has slipped as a result of these Board approval delays.
- Procurement and planning continued for the installation of the Large systems.

- Progress was made on the assembly of the data acquisition system for the Large Systems Testing.

*Task 3.2.2b Small Systems Testing*

- Procurement and planning continued for the installation of the small systems.

**How we are doing compared to our plan:**

- The Commonwealth Team's Project 3.2 task activity has been held up due to negotiation and approval delays of the Commonwealth-IEUA agreement. This delay has a trickle down effect on other Project tasks

**Significant problems or changes:**

- Delays in the installation of the large systems have slowed - but not halted progress on these tasks. IEUA has made several requests for additional information before entering into a final contract with Commonwealth Energy for the 60 kW PV system. All of these information requests have been fulfilled. The IEUA-Commonwealth contract will be presented to the IEUA Board at a meeting in April, about one month later than proposed in the previous status report.
- Contract approval will likely result in more than a day-for –day slip as there is a two week black-out period in late May where we will be unable to perform any activities on site. Our previous schedule had assumed installation would be complete just prior to that period.
- These 3.2 task delays are likely to impact the project schedule for Task 3.3, and it may impact costs as well.

**What we expect to accomplish during the next period:**

- IEUA-Commonwealth Contract appears to be stalled until April. Preparations will continue for the large system comparison, but focus will change to the small system comparison since that process can take place independently of the large system comparison.
- An update will be sent to the Technical Advisory Committee on the developments in the large system comparison and the plans for the small system comparison.
- An agreement with Commonwealth will be proposed to procure the small systems to be installed at PVUSA.

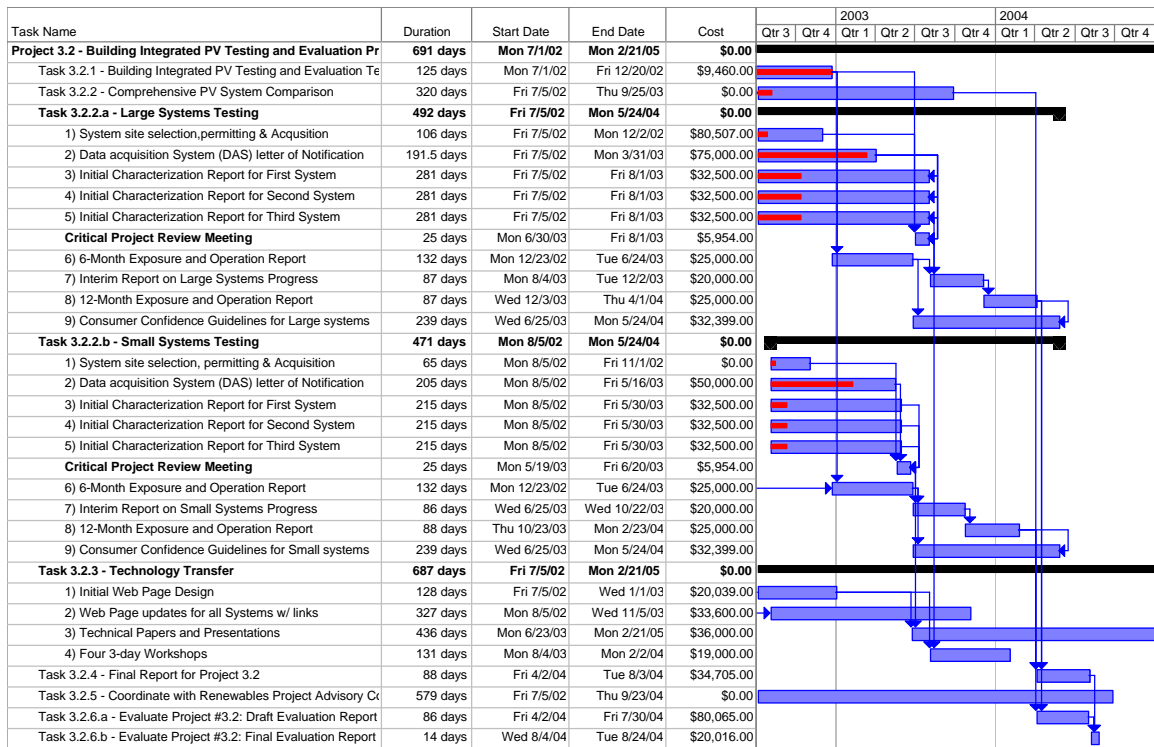
**Status of Milestones and Deliverables:**

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       | 12/20/02 | 100%       |
| 3.2.2a (2) | LS: DAS Letter                    | 07/05/02        | 07/05/02 | 03/31/03      |          | 93%        |
| 3.2.2a (3) | LS: 1 <sup>st</sup> System Report | 07/05/02        | 07/05/02 | 08/01/03      |          | 25%        |
| 3.2.2a (4) | LS: 2 <sup>nd</sup> System Report | 07/05/02        | 07/05/02 | 08/01/03      |          | 25%        |
| 3.2.2a (5) | LS: 3 <sup>rd</sup> System Report | 07/05/02        | 07/05/02 | 08/01/03      |          | 25%        |
| 3.2.2b (5) | SS: DAS Letter                    | 08/04/02        | 08/04/02 | 05/16/03      |          | 65%        |
| 3.2.2b (2) | SS: 1 <sup>st</sup> System Report | 08/04/02        | 08/04/02 | 05/30/03      |          | 12%        |
| 3.2.2b (3) | SS: 2 <sup>nd</sup> System Report | 08/04/02        | 08/04/02 | 05/30/03      |          | 12%        |
| 3.2.2b (4) | SS: 3 <sup>rd</sup> System Report | 08/04/02        | 08/04/02 | 05/30/03      |          | 12%        |

**Overall Schedule for Project 3.2:**



**Overview of Fiscal status:**

Table 2 below summarizes the fiscal status of Project 1.1 by task as of the end of the current reporting period.

**Table 2: Fiscal Status By Task**

| <b>Task Number</b> | <b>Budget</b> | <b>Invoiced To-Date</b> | <b>Fiscal Status *</b> |
|--------------------|---------------|-------------------------|------------------------|
| 3.2.1              | \$9,460       | \$9,460                 | 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)