

MONTHLY PROGRESS REPORT For:

PROJECT 3.3 – BUILDING-INTEGRATED PV ON PUBLIC FACILITIES

REPORT PREPARED BY: CONTRACT NO. 500-00-036 CE TEAM

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

**Task 3.3.2:** The team planned to complete Draft BI-PV on Public Facilities Test Plan for submittal to Commission staff for review and comments. We plan to continue to collect information regarding economic benefits of BI-PV and work them into software development, and finish the draft BI-PV energy audit guidelines. The Draft BI-PV Evaluation Tools Package is expected to be completed in January 2003.

**Task 3.3.4a:** We will continue making and following-up on contacts made and developing new leads. We plan to send materials to Montclair / Ontario School District regarding BI-PV applications for their facilities. Public agency facilities will be contacted within the mini-grid study area to qualify them as potential candidates for BI-PV applications. Development will begin on project specifications based upon sites identified.

**What we actually accomplished this period:**

*Task 3.3.2: Developing Evaluation Tools*

- The work on the Public Facilities Test Plan has continued in coordination with RER, Inc. RER is currently working on Task 1.1.13 and has sent a preliminary partial draft for coordination with REDI's work on the Test Plan draft deliverable.
- REDI utilized eQuest building performance software to model the energy efficiency benefits from BIPV awning and roof shade applications for the Evaluation Software deliverable.
- REDI Created a draft energy audit form to accompany the evaluation tools package.
- REDI Continued with the "Project Development Guidelines" draft that accompanies the evaluation tools package.
- A draft outline was created of the features of the evaluation tool software package for discussion with Joseph McCabe and Steve Strong.

- REDI scheduled a conference call 1/7/03 with Steven Strong and Joseph McCabe regarding the evaluation tools software tool package.

**Task 3.3.4a: Select Demonstration Project Sites**

- REDI continued making phone calls to public agencies within the mini-grid boundary area. They have added a non-profit and a hospital contact.
- Schools were listed by district, and REDI continued contact with four district offices.
- REDI received plans from LPA Architects for the Bandera and Oaks school within the Ontario / Montclair school district to assess opportunities for a BIPV application integration.
- REDI sent out numerous BIPV information packets to WLC and LPA Architects.
- Scheduled site visits in January with the Ontario and Chino Airports, San Bernadino Co. Maintenance Facility, Stark Youth Correctional Facility, US Navy NAVSEA facility, IEUA's Ikea Warehouse "co-composting" facility, City of Norco, Corona-Norco Unified School District, Riverside Community College, WLC Architects for Ontario-Montclair School and Ontario Police FEDCO Building project.
- REDI continued working with San Bernardino County regarding a possible BIPV application at the Chino Airport. They have requested building site plans and utility bill information for the airport.
- REDI delivered "Third Party" BIPV financing options to potential clients within the mini-grid area and scheduled a meeting in January to discuss with Commonwealth Energy the final proposed contract to IEUA for the 60 kW demonstration system (Task 3.2.2a).
- Files set up for documentation on potential BIPV clients to be used in preparation for the Critical Program Review meeting.

**Significant Problems or changes:**

No significant problems or changes to report. Current progress and expenditures will result in the project being completed on time and within budget.

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

**Task 3.3.2 Developing Evaluation Tools:**

REDI plans to incorporate the eQuest building performance modeling data into the evaluation tools package and run several case study tests to verify performance. Additionally, they will create a draft version of the software evaluation tool package, complete with a technical assistance booklet for submittal in February. Work will continue

on the development of the “Project Development Guidelines”, and a draft of the *Facilities Test Plan* will be prepared for submittal in February.

Task 3.3.4:

REDI plans to meet and work with LPA and WLC Architects to further investigate BI-PV potential on their school designs for the Ontario / Montclair school district. Site visits will continue and the development of the technical / economic analysis reports for potential BIPV clients will move forward, and REDI plans to continue contacting public agencies within the Chino mini-grid area. Additionally, REDI will meet with Commonwealth Energy regarding funding for BIPV Public Sector projects.

**Status of Milestones and Deliverables:**

Table 1 below summarizes the status of Project 3.3 task deliverables as of the end of the current reporting period.

**Table 1: Summary of Project Status and Deliverables – Project 3.3**

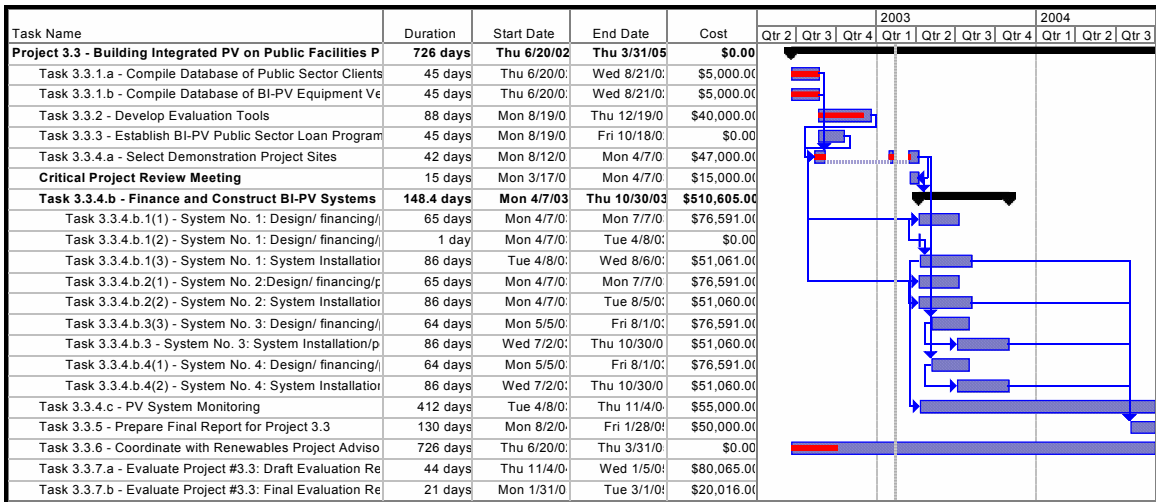
Task No.	Description	Task Start Date		Task Due Date		Status (%)
		Planned	Actual	Planned	Actual	
3.3.1.a	Compile Database of Public Sector Clients	6/20/2002	6/20/2002	7/20/2002	08/06/02 08/21/02	100%
3.3.1.b	Compile Database of BI-PV Equipment Vendors and Service Provider	6/20/2002	6/20/2002	7/20/2002	08/06/02 08/21/02	100%
3.3.2	Develop Evaluation Tools	8/19/2002	8/19/2002	12/19/2002		85%
3.3.4a	Select Demonstration Project Sites	1/03/2003	4/17/2002	3/04/2003		70

Explanation of any Difference(s) in Schedule

The following listing provides the explanation for the reported changes in the schedule at the project task/deliverable level.

Task 3.3.2 is taking longer than expected, but is well along and expected to be completed in February. A conference call is scheduled in January with Joseph McCabe and Steven Strong to discuss the software tools. RER is completing work on the draft M&E plan for Task 1.1.13 and REDI will use this draft for coordination with the Facilities Test Plan.

**Overall Schedule for Project 3.3:**



**Overview of Fiscal status:**

Table 2 below summarizes the fiscal status of Project 3.3 by task as of the end of the current reporting period.

**Table 2: Fiscal Status By Task – Project 3.3**

Task Number	Budget	Invoiced To-Date	Fiscal Status *
3.3.1a	\$5,000	\$5,000	OT
3.3.1b	\$5,000	\$5,000	OT
3.3.2	\$40,000	\$ 0	OT
3.3.4a	\$47,000	\$ 0	OT

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