

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

PROJECT 3.3 – BUILDING-INTEGRATED PV ON PUBLIC FACILITIES

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

July 2002

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

The Building Integrated-PV (BI-PV) database development task 3.3.1 continued and was expected to be completed within this reporting period of July 2002.

**What we actually accomplished this period:**

The Commonwealth PIER Building-Integrated PV on Public Facilities (Project 3.3) Project Team kicked-off it's Project activities at the Energy Commission on July 15, 2002. Building-Integrated PV on Public Facilities Project topics were primarily addressed in the afternoon session of a joint meeting of Project 3.2 and Project 3.3, and included the following topics:

- Existing CEC Databases
- Process for selection of Project 3.3 Technical Advisory Committee Members
- Review of the initial Project 3.3 Tasks
- Critical Project Review Meeting
- Coordination with RPAC and Technical Advisory (TAC) Committees

Following the kick-off meeting, REDI initiated Project 3.3, Task 3.3.1 and began development of 1) the first two BI-PV databases to be assembled under task 3.3.1, including future coordination with Project 3.2 large systems testing (assisting Commonwealth in determining whether to own these systems) and 2) needed resources for the BI-PV Evaluation Tools.

**Task 3.3.1a Compile database of Public Sector Clients :**

The work on Task 3.3.1(a) included the following:

- Sent “Action Alert” message via email with letter to “multipliers,” requesting distribution to their memberships, to identify interested public facility managers,
- Compiled contact information for Cities and County departments,
- Searched Internet and Yellow Pages directory for additional public sector facilities,
- Referred to American City & County Municipal Index for names of department directors,
- Entered or appended all identified contacts to Public Sector database,
- Cross-referenced and eliminated duplicate records,
- Filtered entire database down to a selection of 291 qualified records within the Study Area, and
- Continuing to receive contacts from public sector multipliers to add to the database. Just received 963 contacts from the Local Government Commission and 13 city contacts for the Chino Basin that need to be filtered into the existing records.

**Task 3.3.1b Compile Database of BI-PV Equipment Vendors and Service Providers:**

The work on Task 3.3.1(b) included the following:

- Entered 508 contacts into a searchable database in Access format. 465 that have valid contact and product information and 43 have been contacted for complete information that will be added,
- Included BI-PV case studies installations for equipment and “real world” BIPV application background, and
- Added fields requested by CEC project staff for Utility name, energy efficiency opportunities and for Likelihood for success data including “project champion” contact information.

**Task 3.3.2. Develop Evaluation Tools:**

Work was also initiated somewhat ahead of our Project 3.3 schedule on Task 3.3.2:

Development of Evaluation Tools, including the following activities:

- Searched solar energy industry magazines and the World Wide Web for existing BI-PV evaluation software,

- Spoke with Joseph McCabe (CEC), Endecon Engineering, and engineer from Wattsun Solar Company regarding BI-PV evaluation software and in-the-field tools,
- Acquired numerous solar evaluation software applications: BIPV5, Solar Benefits Model, RETScreen International, Solar2 Sunshade Design Tool, Solar Design 5 (from Maui Solar Software), PVCAD, and, SetEPlus,
- Developed software to determine solar array position that will produce the maximum value of solar energy when used in conjunction with a Utility Time-of-Use rate tariff, and
- Located and priced modem capable data loggers and required accessories for use at potential BI-PV sites.

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

Project 3.3 progress is proceeding on schedule in accordance with the Program's work plan.

**Significant problems or changes:**

No significant problems or changes were encountered during this reporting period. Current progress and expenditures will result in Project 3.3 being completed on time and within budget.

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

Work will continue on acquiring/developing BI-PV Evaluation Tools for the Program.

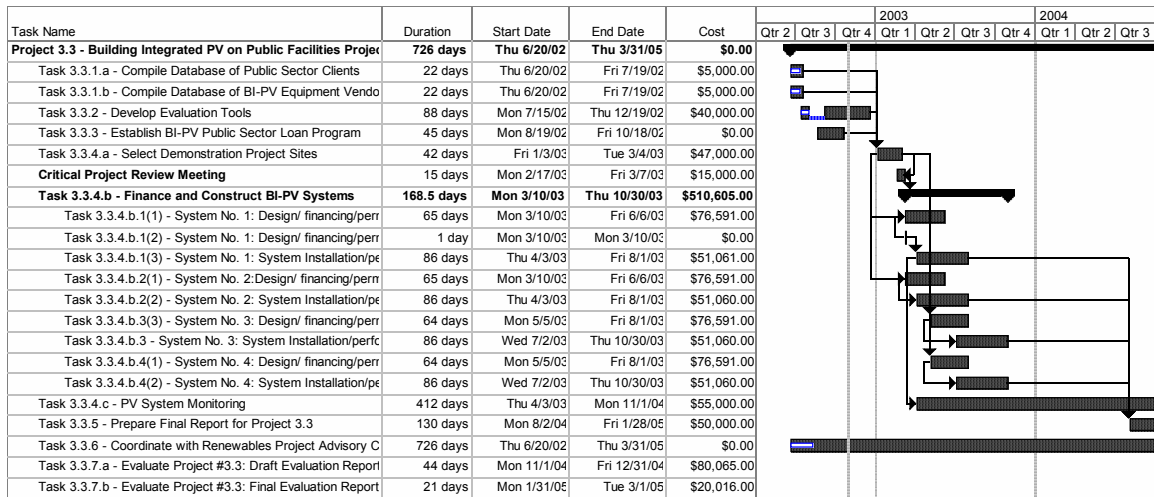
**Status of Milestones and Deliverables:**

**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**

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		65%
3.3.1.b	Compile Database of BI-PV Equipment Vendors and Service Provider	6/20/2002	6/20/2002	7/20/2002		65%
3.3.2	Develop Evaluation Tools	08/19/02	07/15/02	12/19/02		15%
3.3.6	Coordinate with RPAC	06/20/02	06/20/02	03/31/05		5%

**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**

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

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