

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

PROJECT 3.2 – BUILDING INTEGRATED PV TESTING AND EVALUATION

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

July 2003

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What we planned to accomplish this period:

- The remaining purchase orders and contracts for the Schott 20 kW system and the series of 10 small 2 kW systems need to be issued.
- Preparation for the installation of the 60 kW PV system will continue looking to August as the start of the installation process.

What we actually accomplished this period:

Task 3.2.2a Large Systems Testing:

- Progress was made on the purchase orders for the Schott 20 kW system and the 10 small 2 kW systems, but none were signed during this month
- The contract between Commonwealth Energy and Endecon Engineering for Task 3.2.2.a (1) support was finalized to complete the engineering and installation of the 60 kW large systems.
- Progress was made in coordination with IEUA staff on the installation of the large PV test systems. This will facilitate the smooth installation of these three 20 kW rooftop systems.

Task 3.2.2b Small Systems Testing

- Work is on hold for the data acquisition system for the small systems until payment is received for the Large Systems DAS Letter. Payment is expected by the end of this next reporting period.

How we are doing compared to our plan:

- The Commonwealth Team's Project 3.2 task activity was held up due to negotiation and related approval delays of the Commonwealth-IEUA agreement.

This delay has had a trickle down effect on other tasks. Most affected may be Project 3.3, however, the contractual delays in Project 3.2 should help solve future issues for Commonwealth under Project 3.3.

Significant problems or changes:

- The legal department at Commonwealth continues to ask questions about the subcontracts to Commonwealth for the procurement/installation of the 60 kW PV test and evaluation system. The majority of those issues were resolved in May, but questions continue to hold up the signatures on many of the purchase orders.
- These 3.2.2 (a)1 task delays are likely to impact the project schedule for Task 3.2.3, and it may impact costs as well.

What we expect to accomplish during the next period:

- The remaining purchase orders and contracts for the Schott 20 kW system and the series of 10 small 2 kW systems need to be issued by Commonwealth.
- Some portion of the 60 kW of large PV systems will be installed and prepared for operation pending jurisdictional approvals.
- The remaining purchase orders and contracts for the Schott 20 kW large system and the series of 10 small (2 kW) systems need to be issued by Commonwealth.
- A PV installation-training workshop will be help for the IEUA staff to familiarize them with the installation and operation of the systems to be installed on their new headquarters rooftop.

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)	Site Selection, Permitting & Acquisition	7/5/2002	8/1/2002	08/31/03		60%
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		25%
3.2.2a (4)	LS: 2 nd System Report	07/05/02	07/05/02	10/31/03		25%
3.2.2a (5)	LS: 3 rd System Report	07/05/02	07/05/02	10/31/03		25%
3.2.2a (6)	6-Month Exposure and	07/15/03		07/01/04		

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	Operation Report					
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		30%
3.2.2b (2)	SS: DAS Letter	08/04/02	08/04/02	12/31/03		50%
3.2.2b (3)	SS: 1 st System Report	08/04/02	08/04/02	1/29/04		12%
3.2.2b (4)	SS: 2 nd System Report	08/04/02	08/04/02	1/29/04		12%
3.2.2b (5)	SS: 3 rd System Report	08/04/02	08/04/02	1/29/04		12%

Overall Schedule for Project 3.2:

Task Name	Duration	Start Date	End Date	2003				2004				2005			
				Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
Project 3.2 - Building Integrated PV Testing and Eval	691 day:	Mon 7/1/02	Mon 2/21/05												
Task 3.2.1 - Building Integrated PV Testing and Eval	125 day	Mon 7/1/02	Fri 12/20/02												
Task 3.2.2 - Comprehensive PV System Comparisor	320 day	Fri 7/5/02	Thu 9/25/03												
Task 3.2.2.a - Large Systems Testing	492 day:	Fri 7/5/02	Mon 5/24/04												
1) System site selection, permitting & Acquistion	106 day	Fri 7/5/02	Mon 12/2/02												
2) Data acquisition System (DAS) letter of Notific	225.5 day	Fri 7/5/02	Fri 5/16/03												
3) Initial Characterization Report for First System	281 day	Fri 7/5/02	Fri 8/1/03												
4) Initial Characterization Report for Second Sys	281 day	Fri 7/5/02	Fri 8/1/03												
5) Initial Characterization Report for Third Syster	281 day	Fri 7/5/02	Fri 8/1/03												
Critical Project Review Meeting	25 day:	Mon 6/30/03	Fri 8/1/03												
6) 6-Month Exposure and Operation Report	132 day	Mon 12/23/02	Tue 6/24/03												
7) Interim Report on Large Systems Progress	87 day:	Mon 8/4/03	Tue 12/2/03												
8) 12-Month Exposure and Operation Report	87 day:	Wed 12/3/03	Thu 4/1/04												
9) Consumer Confidence Guidelines for Large sy	239 day	Wed 6/25/03	Mon 5/24/04												
Task 3.2.2.b - Small Systems Testing	471 day:	Mon 8/5/02	Mon 5/24/04												
1) System site selection, permitting & Acquisition	65 day:	Mon 8/5/02	Fri 11/1/02												
2) Data acquisition System (DAS) letter of Notific	205 day	Mon 8/5/02	Fri 5/16/03												
3) Initial Characterization Report for First System	215 day	Mon 8/5/02	Fri 5/30/03												
4) Initial Characterization Report for Second Sys	215 day	Mon 8/5/02	Fri 5/30/03												
5) Initial Characterization Report for Third Syster	215 day	Mon 8/5/02	Fri 5/30/03												
Critical Project Review Meeting	25 day:	Mon 5/19/03	Fri 6/20/03												
6) 6-Month Exposure and Operation Report	132 day	Mon 12/23/02	Tue 6/24/03												
7) Interim Report on Small Systems Progress	86 day:	Wed 6/25/03	Wed 10/22/03												
8) 12-Month Exposure and Operation Report	88 day:	Thu 10/23/03	Mon 2/23/04												
9) Consumer Confidence Guidelines for Small sy	239 day	Wed 6/25/03	Mon 5/24/04												

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	Invoiced 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)