

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

PROJECT 1.1 – PROGRAM PLANNING AND ANALYSIS

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

May 2004

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What we planned to accomplish this period:

The CE Team anticipated that efforts in May would focus in two areas. First, the team planned to submit the revised *Prioritization Report*, incorporating feedback received from the Commission on the prioritization framework and the results of applying the prioritization methodology. The internal draft of the revised *Prioritization Report* was prepared in April, therefore efforts in May were to be related to finalizing the report and submitting to the Commission for review. Additionally in May, efforts on preparing the Project 1.1 Final Report were to continue. The primary remaining task on this effort was to be the incorporation of the results of the prioritization effort into the final report. It was anticipated that an internal draft of the Final Report was to be completed in May, with the Final to be submitted to the Commission in June.

What we actually accomplished this period:

Task 1.1.10 Prepare Prioritized List of Projects for PV and Biogas Systems

- As anticipated, The CE Team completed its review of the internal draft of the *Prioritization Report*, which incorporated the prioritization framework developed in the previous two months. This framework integrated the objectives of the Commonwealth Business Plan, the Mini-Grid analysis and the technical objectives for the PIER Program, into the prioritization process. Comments received from the Commission during a meeting on March 9th were added into the framework and were reflected in the report. In May, the focus on this task involved completing the updating of the decision-making model, which considered a variety of factors in prioritizing projects to be implemented under this Program and incorporating its results into the report. The model includes a mechanism to weight different attributes according to their importance based upon the objectives of the Commonwealth Business Plan, the Mini-Grid benefits and the technical objectives of the PIER Program. The initial numeric weights assigned previously

were finalized, and used in the model to provide results of the prioritization effort and these results were incorporated into the report, which will be sent to the Commission in June.

Task 1.1.11 Prepare Final Report

- The CE Team continued to integrate the key results for each of the previously completed tasks and the updated information on the prioritization results, into the Final Report. In general, much of the effort associated with preparing the Final Report has been completed and limited work was conducted during this period. Finalization of the report will occur upon receipt of comments from the Commission on the revised *Prioritization Report*. As noted in previous reports, the result of the March 9th meeting provided direction. Work on the prioritization process is nearing completion, and efforts to prepare the project's Final Report were undertaken in May bringing the report preparation near completion. Also as noted in previous monthly reports, coordination of the key findings of this project with the initial activities of Projects 2.1, 2.2 and 3.1 was undertaken so that efforts on subsequent tasks would be aligned with the key findings of Project 1.1

How we are doing compared to our plan:

Work continues to progress generally as anticipated. Although there have been challenges and delays within a few of the tasks, the majority of these challenges have been resolved, and have not seriously affected the revised project schedule (Exhibit B) or overall project budget as a whole.

Significant problems or changes:

There are no significant fiscal problems to report on during this period and work is proceeding within the Project 1.1 budget. The primary consideration affecting the overall project and program schedule is the relationship between the Commonwealth Business Plan and the overall program in relation to individual projects and tasks. The results of the guidance offered on broad programmatic issues, is being addressed in the decision-making framework model, which is being used to evaluate individual projects. The draft framework of the model submitted to the Commission in February, together with the guidance received from the Commission at the March 9th meeting, will enable this project to be completed in a manner consistent with the overall Program and Commonwealth Business Plan objectives.

What we expect to accomplish during the next period:

With efforts to prioritize projects largely completed, and with a draft of the *Prioritization Report* prepared, efforts in June will focus on the completion of the *Project 1.1 Draft Final Report*. The primary activity will be to incorporate Commission and other comments on the prioritization effort into the Final Report. It is anticipated that a complete draft of the Final

Report will be finalized in June and prepared for submittal to the Energy Commission in July.

Status of Milestones and Deliverables:

Table 1 summarizes the status of Project 1.1 task deliverables as of the end of the current reporting period.

Table 1: Summary of Project Status and Deliverables – Project 1.1

Task No.	Description	Start Date		Due Date		Status (%)
		Planned	Actual	Planned ¹	Actual ¹	
1.1.1	Review previous CA technical & market potential assessments	6/5/02	6/5/02	8/4/02	10/31/02	100%
1.1.1	“Preliminary definition” of Program mini-grid region	6/5/02	6/5/02	8/4/02	10/31/02	100%
1.1.2a	Develop DB of Agricultural Facilities	6/19/02	7/20/02	01/17/03	11/04/03	100%
1.1.2b	Develop Ag GIS report	6/19/02	8/12/02	01/17/03	11/04/03	100%
1.1.3a	Develop Landfill DB	6/19/02	6/19/02	10/25/02	12/15/02	100%
1.1.3b	Develop Landfill GIS report	6/19/02	6/19/02	10/25/02	12/15/02	100%
1.1.4a	Develop WWT facility DB	6/19/02	6/19/02	10/31/02	12/15/02	100%

Task No.	Description	Start Date		Due Date		Status (%)
1.1.4b	Develop WWT GIS report	6/19/02	6/19/02	10/31/02	12/15/02	100%
1.1.5	Develop BIPV systems DB	8/5/02	8/5/02	12/03/02	2/5/03	100%
1.1.6	Develop T&D System DB	6/5/02	6/26/02	02/16/03	06/10/03	100%
1.1.7	Market Potential Assessment	11/10/02	9/13/02	08/01/03	DR: 07/31/03	100%
1.1.8	Develop Generation Profiles	12/11/02	8/15/02	09/08/03	DR: 04/03	100%
1.1.9 a	Conduct Power Flow Analysis (T&D Model)	10/14/02	09/23/02	02/16/03	06/10/03	100%
1.1.9 b	Conduct Power Flow Analysis (Summary Reports)	11/15/02	09/02/03	09/11/03	DR: 09/12/03 FR: 11/28/03	100%
1.1.10	Prepare Prioritized List of Projects for PV and Biogas Systems	12/03/02	11/04/02	DR: 09/10/03	DR: 09/10/03	99%
1.1.11a	Prepare Draft Report Outline for Project 1.1	1/17/03	02/10/03	02/21/03	7/13/03	100%
1.1.11b	Prepare Draft Report for Project 1.1	3/08/03	04/18/03	09/26/03		92%
1.1.13	Develop M&E Plans	6/5/02	7/15/03	05/29/03		68%

Note 1: "Planned" dates per revised Program Schedule submitted to CEC on September 17, 2003. "Actual" Dates include both the draft report (DR) date (above) and final report (FR) submittal dates (below), where appropriate.

Explanation of any Difference(s) in Project 1.1 Schedule

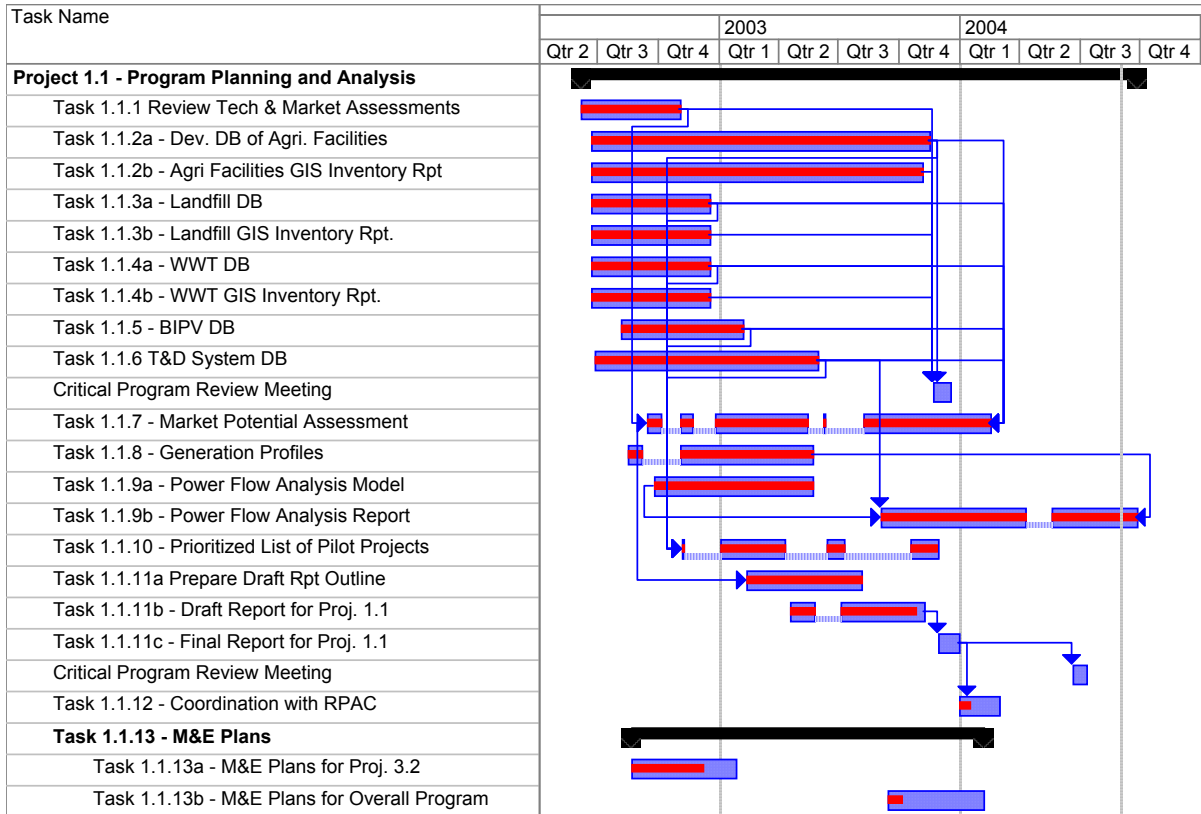
The following listing provides the explanation for the reported changes in the schedule at the project task/deliverable level:

Task 1.1.10 Prepare Prioritized List of Projects for PV and Biogas Systems – This task started on schedule. Its completion has been delayed by approximately seven months. This will allow for incorporation of the findings of the expanded Mini-Grid analysis, incorporation of the Commonwealth Business Plan goals/objectives and enhanced framework within the process of prioritizing the identified projects under the Program.

Task 1.1.11 – Prepare Final report - The start of this task has been delayed by approximately six weeks. This change was made to accommodate the completion of the tasks related to the agricultural waste database and inventory report, as well as to allow for incorporation of the Mini-Grid T&D impacts analysis and guidance of the

RPAC. These changes, however, are consistent with other aspects of the program, which needed to await incorporation of the findings of the Mini-Grid analysis. The finalization of this report was delayed by approximately seven months so that it could incorporate the results of the prioritization efforts. Once completion of the prioritization report occurs, this report should be completed within approximately one month.

Overall Schedule for Project 1.1:



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 – Project 1.1

Task Number	Budget	Invoiced To-Date	Fiscal Status *
1.1.1	\$ 18,902.00	\$18,902.00	OB
1.1.2a	\$ 85,562.00	\$85,562.00	OT
1.1.2b	\$ 100,562.00	\$100,562.000	OT
1.1.3a	\$ 66,865.00	\$66,865.00	OT
1.1.3b	\$ 66,865.00	\$66,865.00	OT
1.1.4a	\$ 93,136.00	\$93,136.00	OT
1.1.4b	\$ 93,136.00	\$93,136.00	OT
1.1.5	\$ 87,177.00	\$85,780.00	OT
1.1.6	\$ 98,840.00	\$98,840.00	OT
1.1.7	\$ 96,896.00	\$0	OB
1.1.8	\$ 15,363.00	\$0	OT
1.1.9a	\$ 37,040.00	\$37,040.00	OT
1.1.9b	\$ 59,134.00	\$59,134.00	OT
1.1.10	\$172,132.00	\$0	OT
1.1.11a	\$ 18,540.00	\$18,540.00	OT
1.1.11b	\$114,046.00	\$0	OT
1.1.11c	\$27,809.00	\$0	OT
1.1.12	\$ 41,357.00	\$0	OT
1.1.13	\$ 25,251.00	\$0	OT

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

