

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

PROJECT 1.1 – PROGRAM PLANNING AND ANALYSIS

REPORT PREPARED BY: COMMONWEALTH ENERGY TEAM

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What we planned to accomplish this period:

Activity in December was to focus on completing the outstanding tasks on Project 1.1 in order to finalize the Project 1.1 Draft Final Report. Prioritization work under Project 1.1.10, will largely be completed, and submitted for an internal project team review prior to submission to Commission staff. The CE Team planned to continue to integrate the final key results from Task 1.1.2, Task 1.1.7, Task 1.1.8 and Task 1.1.10, as they become available, into the Draft Final Report under Project 1.1.11b. The CE Team anticipated that the Draft Final Report would be ready for internal review in December, with completion expected after comments on the Project 3.1 Implementation Plan have been received.

Itron planned to continue incorporating revisions into the Task 1.1.7 and Task 1.1.8 Final Reports, and planned to submit these reports internally for review prior to submittal to the Commission.

What we actually accomplished this period:

Task 1.1.7 Assess Market Potential within Mini-Grid:

- Itron continued to incorporate responses received from the Commission in November into the Final Report. Itron anticipates submitting a revision to the Commission in early January for final approval, and placement on the PIER Commonwealth Website.

Task 1.1.8 Development of Generation Profiles:

- Itron continued to incorporate generation profiles that summarized the anticipated Commonwealth Program RD&D generation, as well as the generation profiles for the fully realized mini-grid developed under Task 1.1.7. Itron anticipates submitting the revised report in January.

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

- The CE Team developed additional information for the revised *Prioritization Report*. These changes were made in light of comments received from the RPAC and Commission staff. The planning effort undertaken on this task focused on developing an approach to incorporate the goals and objectives of the Commonwealth Business Plan and further refine the Mini-Grid criteria into the prioritization activities. It is anticipated that as the Commonwealth Business Plan is finalized and submitted to the Commission, the Prioritization effort will be modified to include criteria such as the potential impact on Commonwealth's planned community aggregation and other related business activities.
- As reported previously, prioritization activities and comments from Commission staff lead to the elimination of the projects proposed at IEUA's Regional Plant 5 (RP-5). The CE Team has focused on projects that would be completed at RP-1 in order to achieve the objective of fostering the development of effective centralized dairy digester projects. Information developed as part of the ongoing work in Project 3.1 to develop a new implementation plan was also considered. The draft revision of the *Prioritization Report* prepared previously has not been finalized and is pending the completion of the Commonwealth Business Plan and the revised Project 3.1 Plan.

Task 1.1.11 Prepare Final Report

- Work continued on the Project 1.1 Final Report. The CE Team focus continues to be on assembling key findings for each of the previously completed tasks. 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 continues to await completion of the revised project prioritization list and completion of the revised plan for Project 3.1. As noted in the 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 also undertaken so that efforts on subsequent tasks would be aligned with the key findings of Project 1.1. New findings include:
 - The CE Team will consider how the individual projects impact Commonwealth's objectives of making renewable energy more affordable in California and in advancing their other business objectives such as community aggregation and the development of green tags within the Chino Basin and elsewhere in the state.

Task 1.1.11 Prepare Final Report

- Work continued on the draft M&E plans for Projects 3.2, 3.3, 2.1, 2.2, and 3.1. A rough draft for each was completed for review by the Commonwealth team.

How we are doing compared to our plan:

Work continues to progress generally as anticipated. Although there have been challenges within a few of the tasks, the majority of these challenges have been resolved, and have not seriously affected the revised project schedule 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. As reported previously, there have been several task-level budget transfers to date, however, progress and expenditures will result in project being completed on time under the revised schedule and within the original project budget.

What we expect to accomplish during the next period:

The CE Team anticipates that the results of the *Agricultural Waste, Landfill and Sewage Treatment Database and Inventory Reports*, will be reviewed in relation to the Commonwealth Business Plan objectives. Efforts to develop a more comprehensive framework to prioritize the biogas and BI-PV projects identified through this inventory process in light of all objectives will be initiated by the team and submitted to the Commission in early February. Once this effort is completed, these findings will be incorporated into the task 1.1.10 and 1.1.11b Draft Final Reports, along with previously received comments. The CE Team anticipates that this draft report, excluding the revised project prioritization section, will be completed for an internal project team review.

Additionally, the CE Team anticipates making final revisions to the Task 1.1.8 final reports and submitting them to the Commission and TAC for final approval.

Status of Milestones and Deliverables:

Table 1 on the following page 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%

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Task No.	Description	Start Date		Due Date		Status (%)
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%
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	99%
1.1.8	Develop Generation Profiles	12/11/02	8/15/02	09/08/03	DR: 9/08/03	99%
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	98%
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		70%
1.1.13	Develop M&E Plans	6/5/02	7/15/03	05/29/03		65%

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 four 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.

Overall Schedule for Project 1.1:

Task Name	Duration	Start Date	End Date	2003				2004				2005			
				Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Project 1.1 - Program Planning and Analysis	659 days	Wed 6/5/02	Mon 12/13/04												
Task 1.1.1 Review Tech & Market Assessments	103 day	Wed 6/5/02	Thu 10/31/02												
Task 1.1.2a - Dev. DB of Agri. Facilities	413 day	Wed 6/19/02	Fri 1/16/04												
Task 1.1.2b - Agri Facilities GIS Inventory Rpt	413 day	Wed 6/19/02	Fri 1/16/04												
Task 1.1.3a - Landfill DB	93 day	Wed 6/19/02	Fri 10/25/02												
Task 1.1.3b - Landfill GIS Inventory Rpt.	93 day	Wed 6/19/02	Fri 10/25/02												
Task 1.1.4a - WWT DB	97 day	Wed 6/19/02	Thu 10/31/02												
Task 1.1.4b - WWT GIS Inventory Rpt.	97 day	Wed 6/19/02	Thu 10/31/02												
Task 1.1.5 - BIPV DB	133 day	Wed 8/14/02	Fri 2/14/03												
Task 1.1.6 T&D System DB	250 day	Fri 7/5/02	Thu 6/19/03												
Critical Program Review Meeting	21 day	Mon 2/2/04	Mon 3/1/04												
Task 1.1.7 - Market Potential Assessment	128.38 day	Sun 11/10/02	Fri 1/16/04												
Task 1.1.8 - Generation Profiles	157 day	Wed 12/11/02	Mon 9/15/03												
Task 1.1.9a - Power Flow Analysis Model	200 day	Mon 10/14/02	Fri 7/18/03												
Task 1.1.9b - Power Flow Analysis Report	253.25 day	Tue 11/5/02	Mon 12/1/03												
Task 1.1.10 - Prioritized List of Pilot Projects	90.53 day	Tue 12/3/02	Mon 3/1/04												
Task 1.1.11a Prepare Draft Rpt Outline	110 day	Fri 1/17/03	Thu 6/19/03												
Task 1.1.11b - Draft Report for Proj. 1.1	146 day	Sat 3/8/03	Fri 1/17/03												
Task 1.1.11c - Final Report for Proj. 1.1	23 day	Thu 11/27/03	Mon 12/29/03												
Critical Program Review Meeting	0 day	Wed 9/24/03	Wed 9/24/03												
Task 1.1.12 - Coordination with RPAC	250 day	Tue 12/30/03	Mon 12/13/04												
Task 1.1.13 - M&E Plans	362 days	Mon 8/19/02	Tue 1/6/04												
Task 1.1.13a - M&E Plans for Proj. 3.2	290 day	Mon 8/19/02	Fri 9/26/03												
Task 1.1.13b - M&E Plans for Overall Program	83 days	Fri 9/12/03	Tue 1/6/04												

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	\$0	OT
1.1.2b	\$ 100,562.00	\$0	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	\$ 96,136.00	\$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
1.1.9	\$114,174.00	\$37,040.00	OT
1.1.10	\$172,132.00	\$0	OT
1.1.11a	\$ 18,540.00	\$0	OT
1.1.11b	\$ 114,046.00	\$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)