

Early Entrance Coproduction Plant

Phase I - Quarterly Report No. 5

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DOE Cooperative Agreement

No. DE-FC26-99FT40658

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Abstract:

The overall objective of this project is the three phase development of an Early Entrance Coproduction Plant (EECP) which produces at least one product from at least two of the following three categories: (1) electric power (or heat), (2) fuels, and (3) chemicals. The objective is to have these products produced by technologies capable of using synthesis gas derived from coal and/or other carbonaceous feedstocks.

The objective of Phase I is to determine the feasibility and define the concept for the EECP located at a specific site; develop a Research, Development, and Testing (RD&T) Plan for implementation in Phase II; and prepare a Preliminary Project Financing Plan.

The objective of Phase II is to implement the work as outlined in the Phase I RD&T Plan to enhance the development and commercial acceptance of coproduction technology that produces high-value products, particularly those that are critical to our domestic fuel and power requirements. The project will resolve critical knowledge and technology gaps on the integration of gasification and downstream processing to coproduce some combination of power, fuels, and chemicals from coal and/or other carbonaceous feedstocks.

The objective of Phase III is to develop an engineering design package and a financing plan for an EECP located at a specific site.

The project's intended result is to provide the necessary technical, economic, and environmental information needed by industry to move the EECP forward to detailed design, construction, and operation.

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I. List of Figures

The following figures were used in this report:

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II. Executive Summary

This is the fifth of five quarterly reports which summarizes the progress of Phase I of the development of the Early Entrance Coproduction Plant (EECP) concept covered by DOE Cooperative Agreement No. DE-FC26-99FT40658. The Phase I objective is to determine the feasibility and define the concept for the EECP located at a specific site, develop a Research, Development, and Testing (RD&T) Plan, and prepare a Preliminary Project Financing Plan. Phase I was completed by the end of year 2000, except for activities resulting from DOE comments on Phase I reporting. Phase II is to conduct the research as outlined in Phase I and is scheduled for two calendar years (2001 through 2002). Phase III is a one-year effort scheduled for the calendar year 2003 and is to develop an engineering design package and financing plan for the EECP. The overall project's intended result is to provide the necessary technical, economic, and environmental information needed by industry to move the EECP forward to detailed design, construction, and operation.

During this reporting period, all Phase I work was completed as scheduled. This included completion of conceptual process design, cost estimating, risk assessment, and marketing, environmental, and economic assessments. The Research, Development, and Testing Plan, which outlines work to be conducted in Phase II, was submitted and approved and work began as scheduled in January 2001. The Phase I Concept Report and the Preliminary Project Financing Plan were both submitted on December 28, 2000 for DOE comments.

III. Results, Discussion, and Preliminary Conclusions

Since the draft Phase I Concept Report was submitted on December 28, 2000, this abbreviated quarterly report is submitted primarily to report cost and schedule information for Phase I activities through December 31, 2000. Please refer to the Phase I Concept Report for a complete discussion of Phase I results.

Phase II activities (Research, Development, and Testing) began as scheduled in January 2001. Results of these activities will also be reported quarterly.

This is the fifth and final quarterly report for Phase I.

IV. List of Major Activities Accomplished in 4Q2000

The following list is provided as a quick reference for the work performed during this reporting period:

- Submitted Research, Development, and Testing Plan (RD&T Plan) to DOE for comments. Received DOE approval on December 28, 2000, to initiate Phase II work.
- Submitted draft Phase I Concept Report to DOE for comments.
- Submitted draft Preliminary Project Financing Plan to DOE for comments.
- Submitted draft 3Q2000 quarterly report to DOE for comments.
- All Phase I activities were completed with the exception of incorporation of DOE comments into the above reports and submittal of the 4Q2000 quarterly report, which will be submitted by February 28, 2001.

V. List of Major Activities Planned for 1Q2001

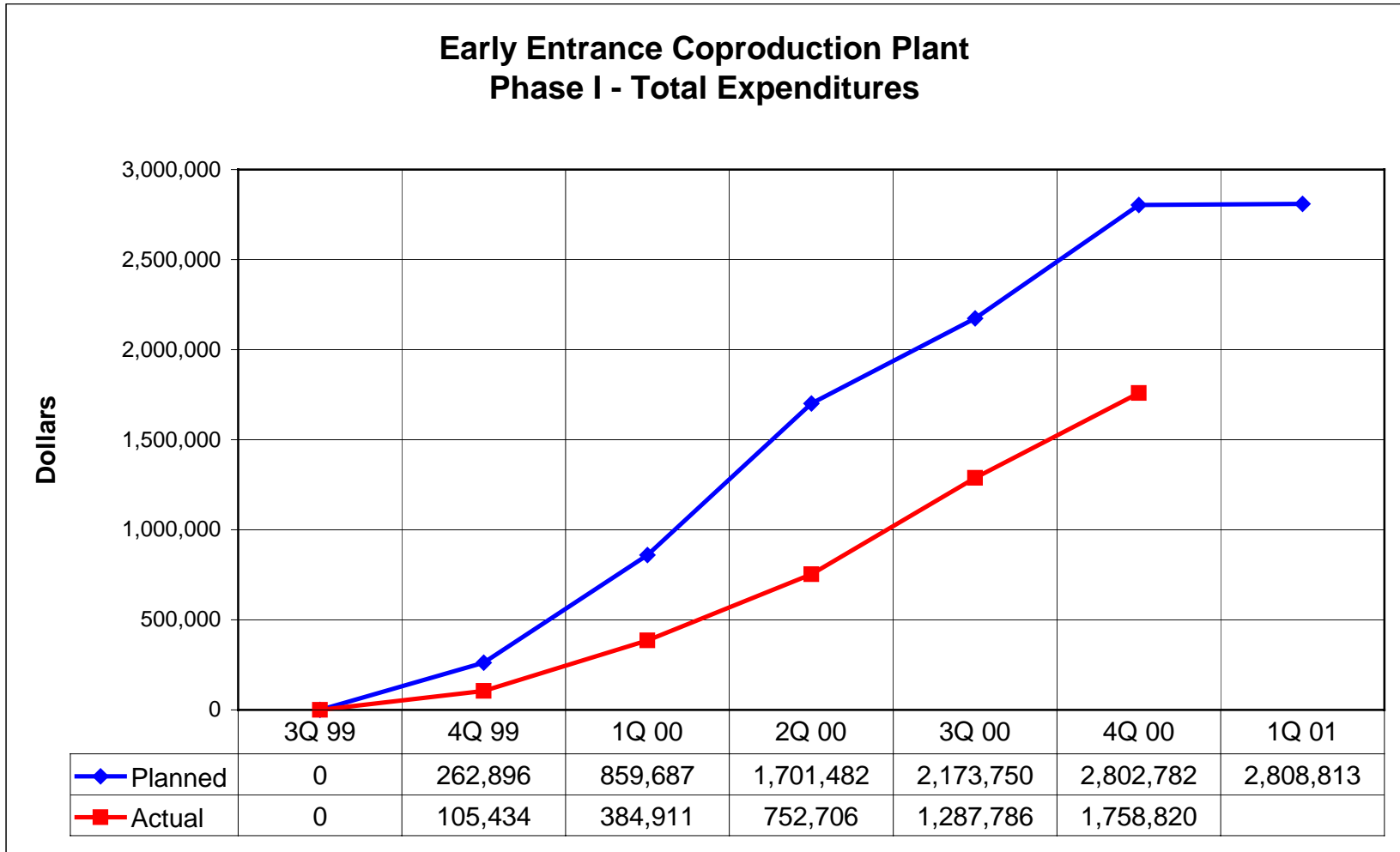
The following list is provided as a quick reference for the work planned for the upcoming quarter:

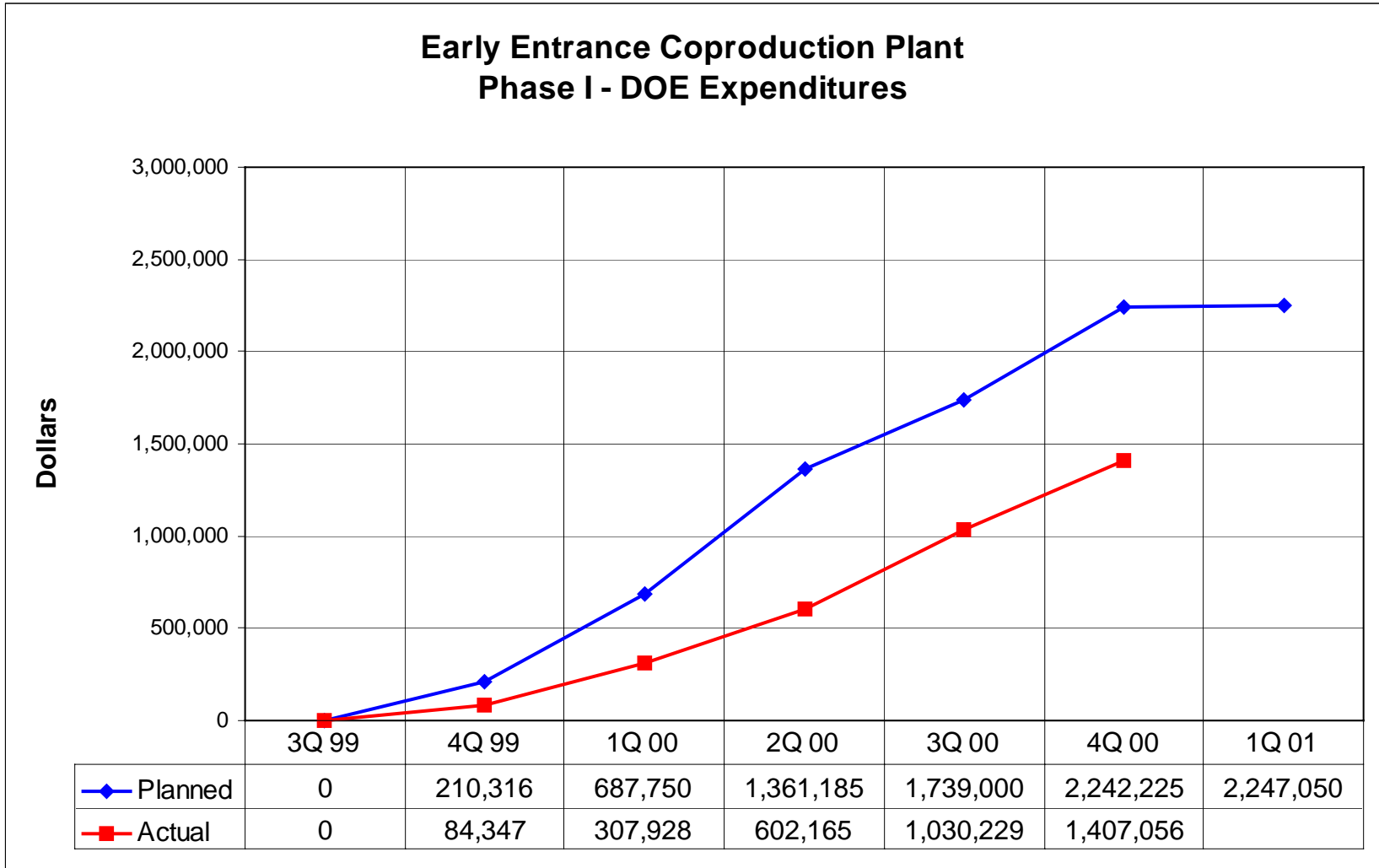
- Issue final version of Phase I Concept Report, Preliminary Financing Plan, and Quarterly Report No. 4, after receipt of DOE comments.
- Submit Quarterly Report No. 5. (Last quarterly report for Phase I.)
- Begin Phase II activities.

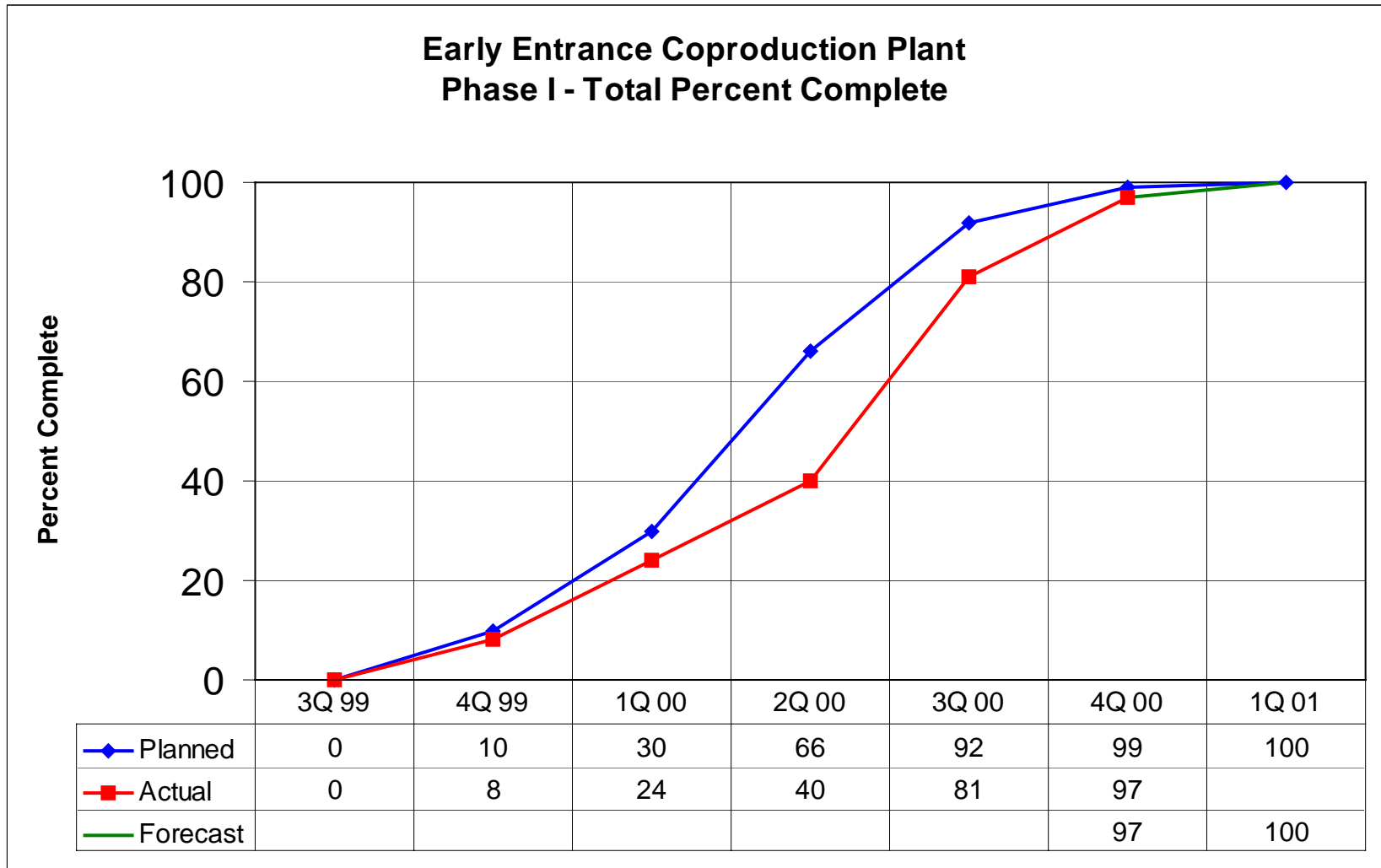
VI. Graphs

The following three graphs depict the financial status and progress of Phase I activities. The graphs are shown on the following three pages:

Planned vs. Actual Total Expenditures	11
Planned vs. Actual DOE Expenditures	12
Total Project Percent Complete.....	13





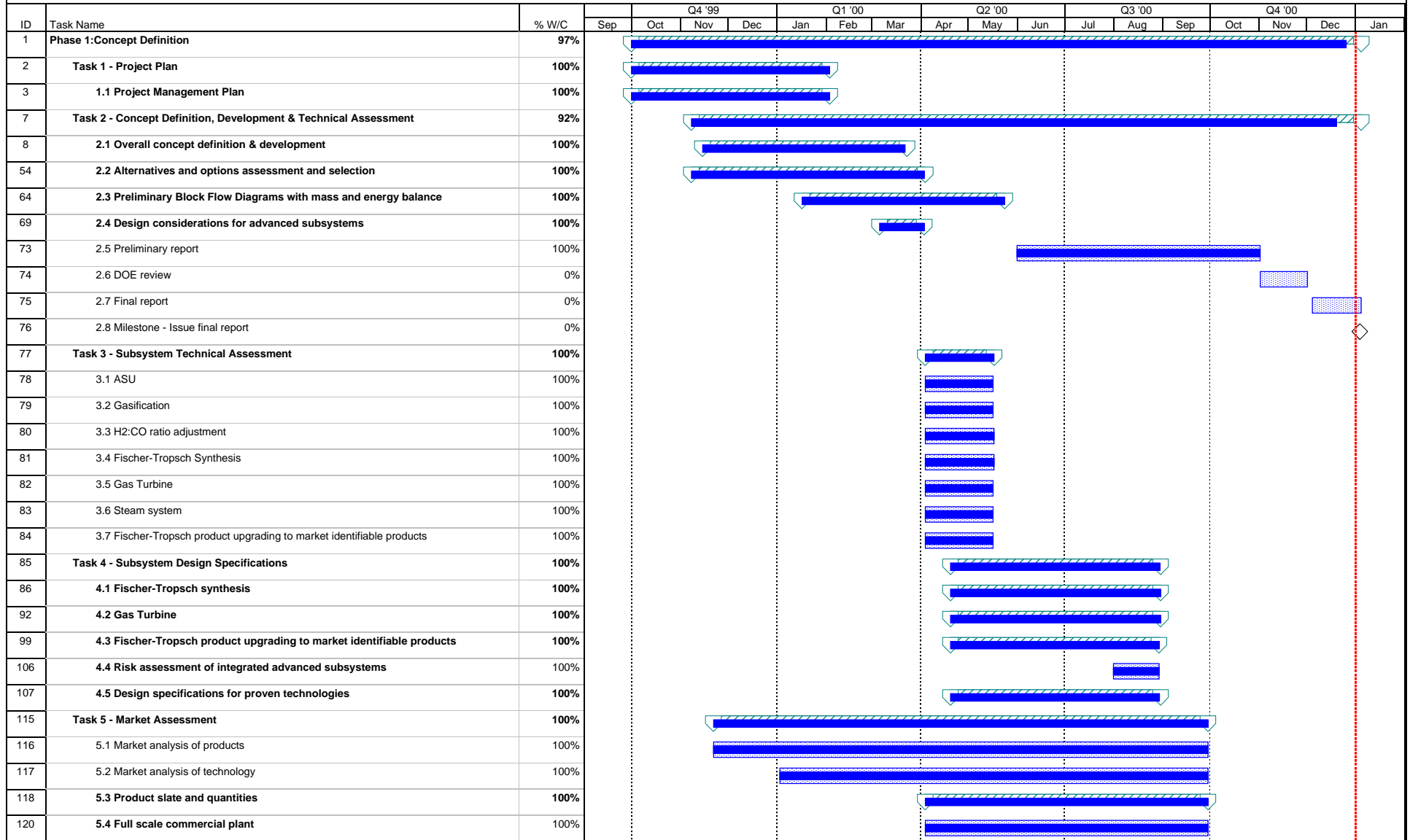


VII. Schedule

The following two pages depict the updated Phase I project schedule and show percent complete by task as of December 31, 2000. For a description of the work involved in each task, refer to the Cooperative Agreement. This schedule was prepared using Microsoft Project 98 software.

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Phase I - Detailed Schedule

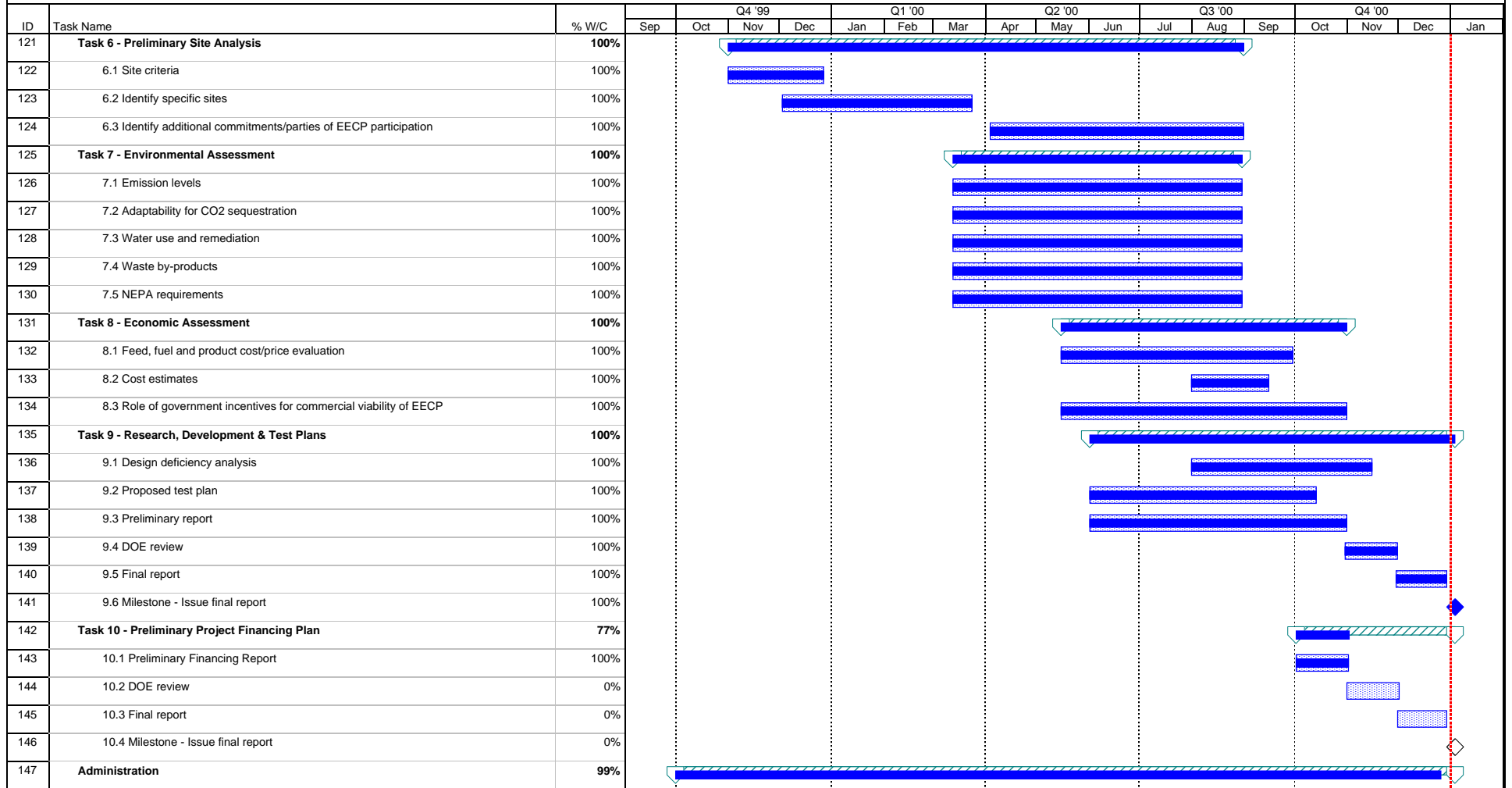


Mar 15, 2001
DOEdec00
Progress as of 12-31-00.



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Phase I - Detailed Schedule



Mar 15, 2001
DOEdec00
Progress as of 12-31-00.

Task		Milestone		Rolled Up Task	
Progress		Summary		Rolled Up Progress	