

QUARTERLY TECHNICAL PROGRESS REPORT:
WIND-FUEL CELL HYBRID PROJECT IN RURAL ALASKA

For The Period April 1 – June 30, 2000

David Lockard

ALASKA DIVISION OF ENERGY

REPORT DATE: July 28, 2000

PREPARED FOR THE UNITED STATES
DEPARTMENT OF ENERGY
Under Cooperative Agreement
No. DE-FC36-98G010366-A000

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, make any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, make any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

problem. During this time the nine-foot unit will continue to run with more emphasis placed on this area of the mower.

These preliminary reports are providing valuable information to the improvement of our mower. They assist with deck design as well as deck application. The reports also enlighten us as to what size blade fits any certain application.

The development of the bat wing is still in progress. We are experiencing some unexpected costs in the engineering of the tongue and superstructure. This problem delays the completion date until the next quarter. However I still plan to have the batwing mower ready for the Sunbelt Expo this fall. The wings, the gangs, and driveline have been developed and manufactured.

In spite of the drought condition, we were able to continue demonstrations in Alabama and Georgia. Demonstrations were presented in the following towns in Alabama: Linton Tractor Co. at Gophen, Al.; Tooney Eq. Co. and Gulf Coast Machinery at Saraland, Al.; Farmers Feed and Seed at Wetarplra, Al.; Cabaha Tractor Co. at Pelham, Al. Demonstrations were held in Georgia at the following locations, Patrick Tractor Co. at Tifton, Ga.; Demott Tractor Co. at Moultrie, Ga.

Prospective users will soon receive information on the peripheral mower blade. Mailing should go out within the next two weeks to over one hundred different places that have never heard of the blade. These mailings will include several pieces of literature along with specifications of the different models we are working with. This mailing will also include a new letter featuring statements of people that have used the peripheral mower.