
tic market, a large export market seems likely to develop in both industrialized and Third World countries.

CONCLUSION

The Committee agrees that Canada should pursue the development and commercialization of megawatt-scale vertical axis wind turbines and welcomes the recent announcement that "Project Aeolus" has been approved for funding.

In its visit to the Yukon and the Northwest Territories, the Committee was struck by the vulnerability of northern communities depending solely upon diesel generation for their electricity. We thus recognize the uncertainty which many Canadians feel about the supply and price of petroleum products in isolated regions of the country.

CONCLUSION

The Federal Government should quickly institute measures to assist remote communities in

diversifying their energy supplies. In this connection, wind energy and small-scale hydro are two options meriting close consideration. Such a program would complement the energy conservation efforts of northern communities and the off-oil philosophy as outlined in the National Energy Program. In the case of wind energy, an assistance program would aid in establishing a wind turbine manufacturing capability in Canada by providing an immediate market.

RECOMMENDATION

Funding and technical assistance for installing wind/diesel hybrid systems should be provided to remote communities, with appropriate wind characteristics, now relying on diesel fuel for electrical generation. This assistance would not only help such communities reduce their need for petroleum but would also create an immediate market for wind turbines and hasten the commercialization of this technology.