

we especially cannot ignore the environmental implications of using energy; the need to restore a vigorous R,D&D program in energy conservation and alternative energy development is manifest.

6. The Committee recommends, for the purpose of attaining integrated environmental and economic objectives, that the federal government considerably increase its support for research, development and demonstration directed to:

- (a) the more efficient and conserving use of energy;**
- (b) fuel substitution leading to reduced greenhouse gas emissions; and**
- (c) technologies for producing and using fossil fuels in less environmentally-damaging ways.**

Although the Committee anticipates that the products of a rejuvenated program of energy R,D&D will have great value for the Canadian environment, there is the broader concern that efficient energy technologies reach countries with the greatest need for them. Populous nations such as China, India, Nigeria and Mexico have a huge latent demand for energy and are growing consumers of fossil fuels. It is essential that these countries receive the technologies needed to use these fuels in the least environmentally damaging manner. Thus technology transfer must be another cornerstone of Canadian energy policy. There should be incentives for Canadian industry to develop the appropriate technologies and there need to be mechanisms for expeditiously transferring these technologies to other countries.

7. The Committee recommends that the federal government develop policies and programs which encourage Canadian companies to commercialize and export technologies and equipment that are effective in reducing greenhouse gas emissions, particularly to developing countries which are striving to build their domestic economies.

From time to time, Canada's foreign aid policies have promoted forms of development abroad which have not been soundly based in an environmental sense. The federal government should be more discriminating in its aid programs and trade policies, removing incentives which encourage forms of development or the transfer of technologies and equipment that are not environmentally appropriate.

8. The Committee recommends that the federal government use environmental considerations as a filter for its foreign aid and trade initiatives, encouraging programs and technologies which convey environmental benefits and ending or modifying those that are environmentally unacceptable.