

- Biomass  
Densification* (21) As the technology for biomass densification is available now and is being used in some locations, the Committee recommends that development of the wood densification industry should be encouraged in Canada. This means that increased emphasis in R&D should be placed on improving combustion technologies for densified biomass fuels and on developing end uses and markets for the densified biomass product.  
(p. 134)
- Wood* (22) The Committee recommends that a study of how the increasing combustion of wood in urban areas will affect air quality should begin immediately. Such a study should be completed before expanded use of firewood is recommended for urban centres.  
(p. 135)
- (23) Fire safety regulations should be reviewed and strengthened so that the installation and use of wood stoves and fireplaces does not lead to a tragic increase in the incidence of fires in homes using fuel wood.  
(p. 135)
- Wood—  
Methanol* (24) The Committee believes that the technology of biomass gasification should be funded on a priority basis in biomass R&D. It has the potential of allowing greater use of wood (and other biomass feedstocks) to fire systems which traditionally have used fossil fuels. It is perhaps the last part of the technology of methanol synthesis from biomass which must be improved upon to assure commercialization of this alcohol fuel option.  
(p. 135)
- Peat* (25) Canada's extensive peat deposits represent a significant alternative energy opportunity, but our resource base has been only partially outlined. An accurate assessment of its quantity, quality and location should be completed.  
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- (26) The Committee recommends that peat R&D encompass the development of an efficient technology for the gasification of peat. This would allow Canada to broaden its resource base for the production of the alternative liquid transportation fuel methanol.  
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- Fluidized  
Bed Com-  
bustion* (27) The Federal Government should undertake a thorough analysis of the opportunities and benefits of fluidized bed combustion in the Canadian context, and of the funding levels necessary to exploit the technology to maximum advantage. Topics which should be addressed in the analysis include the choice between various FBC technologies from economic and environmental standpoints, the use of fuels other than coal, and the nature of regional opportunities.  
(p. 142)
- Coal-Oil  
Mixtures* (28) Canadian RD&D in coal-oil mixture technology should be accelerated where feasible. A heavy emphasis should be placed on the rapid deployment of this technology in the Maritime Provinces.  
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