

(4) *research and investigations relating to the effects on air resources of electric power plants and the effects of air pollutants from power plants on public health and welfare, vegetation, animals, materials and esthetic values, including baseline studies, predictive modeling, and monitoring of the air mass at proposed sites and sites of operating electric generating stations, evaluation of new or improved methods for minimizing air pollution from power plants and other matters pertaining to the effect of power plants on the air environment,*

(5) *an environmental evaluation of electric power plant sites proposed for future development and expansion and their relationship to the waters and air of the State,*

(6) *evaluation of the environmental effects of new electric power generation technologies and extra-ordinary systems related to power plants designed to minimize environmental effects,*

(7) *the determination of the potential for constructive use (s) of the waste energy to be released at proposed electric power plant sites,*

(8) *analysis of the socio-economic impact of electric power generation facilities on the land uses of the State.*

#### *765. Long-Range Power Plant Site Evaluation*

*(a) In cooperation with the Public Service Commission and the Secretary of Health and Mental Hygiene, the Secretary of Natural Resources shall implement a long-range (at least 10 years) environmental evaluation of power plant building sites. To facilitate providing adequate electric power on reasonable schedules at reasonable costs with the least possible depreciation of the quality of Maryland's environment, the following responsibilities and procedures are set forth:*

*(1) The Public Service Commission shall be responsible for assembling and evaluating annually the long-range plans of Maryland's public electric companies regarding generating needs and means for meeting those needs. The Chairman of the Public Service Commission shall, on an annual basis, forward to the Secretary of Natural Resources a ten-year (10) plan of possible and proposed sites, including associated transmission routes, for the construction of new electric power plants within the State of Maryland and extensions of existing plants. The first ten-year (10) plan shall be forwarded on or about January 1, 1972.*

*(2) The Secretary of Natural Resources, with the advice of the Secretary of Health and Mental Hygiene, upon receipt of a ten-year plan from the Public Service Commission of proposed locations for the construction of electric power plants in accordance with item (1) above and Section 54B (b) of Article 78, shall prepare and submit, within 180 days after receipt of the aforesaid plan, A preliminary Environmental Statement STATEMENT on each possible and proposed site, including associated transmission routes. The Statement, on the basis of the Environmental Research Program, shall include but not be limited to the following considerations:*

*The environmental impact at the proposed site,*

*Any adverse environmental effects which cannot be avoided should the proposed site be accepted,*