Q. Why was 15 years chosen as the period to be studied by Stantec foroperation of the turbines?

A. A 15 year time period was chosen as a realistic study period considering the operating history of the plant, its present condition, and the projected operating requirements for the future. The Hardwoods Gas Turbine operates mainly as a synchronous condenser. In this mode of operation, there are many starts/stops which stress the insulation of the alternator's windings. This limits the anticipated service life to 15 to 20 years compared to 25 to 30 years for a unit operating in a power generation mode. Also, the anticipated availability of parts and technical support from service companies is 15 years.