

Nuclear Steam Turbine Initiative

Program Overview

Program Description

Starting in 2010, research activities previously coordinated through the Nuclear Steam Turbine Initiative will be managed through the EPRI Generation Sector, Program 65 – Steam Turbines, Generators, and Balance-of-Plant. Because up to 70% of outages planned for steam power plants involve work on the turbine, power producers continually seek ways to optimize operation and maintenance activities on aging turbine-generator fleets, both fossil and nuclear. Such activities can reduce maintenance costs, improve component reliability, and increase generator output. For a number of years, EPRI had maintained separate but inter-related research programs aimed at steam turbine improvements in the nuclear and fossil fleets. To simplify program management moving forward, however, research activities are being consolidated in the EPRI Generation Sector. Nuclear utilities can still access steam turbine research through Program 65, Steam Turbines, Generators, and Balance-of-Plant.