

Additional Broken Vanes Found at Hamaoka-5, in A and C Turbines

On September 12, the Chubu Electric Power Co. announced that it had confirmed that several vanes in the 12th stages of both the A and C low-pressure turbines at its Hamaoka-5 NPS were broken or cracked at the roots of their connectors (forks). Those were in addition to those found previously, in a similar state, in turbine B of the same NPS.

The power utility assumes a common event to have affected all three low-pressure turbines: high-cycle fatigue. The fatigue is thought to have come from random vibrations due to disturbances of steam flow in the turbines, or flashbacks due to steam backflow. Chubu Electric Power is continuing its detailed investigation to determine the precise cause and measures for recovery.

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