

TURBINE INLET COOLING ASSOCIATION turbineinletcooling.org

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FOR IMMEDIATE RELEASE

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The Turbine Inlet Cooling Association (TICA) congratulates the City of Riverside Clearwater Power Plant, Corona, CA, for receiving the 2026 TICA Award of Excellence for Turbine Inlet Cooling (TIC). The TICA President, Keith Flitner, Vice President, Continental Controls Corporation, presented the award at the 2026 Annual Western Turbine Users, Inc. (WTUI) held on April 7- April 10 in Long Beach, CA. Gary Grimwade, Sr. Technician, Riverside Public Utilities, received the award.



Keith Flitner (TICA President), Gary Grimwade (Riverside Public Utilities), and Ed Jackson (President, WTUI)



City of Riverside Clearwater Power Plant, Corona, CA

The City of Riverside Clearwater Power Plant operates a GE LM2500 in combined-cycle mode, with an 8 MW steam turbine. The Clearwater plant has over 20 years of experience, since 2005, using an evaporative cooling system to cool the turbine inlet air. The evaporative cooling system can cool the inlet air from 102°F to 76.6°F. The evaporative cooling increases the gas turbine's electric power generation capacity by 1,717 KW, from 20.99 MW to 22.710 MW, an 8.2 percent increase. It also increases the gas turbine's energy efficiency by 1 percent. In addition, evaporative cooling increases the steam turbine output from 7.233 MW to 7.722 MW, resulting in a net gain of 0.489 MW, or 6.8 percent.

TICA is a non-profit trade association that develops and disseminates knowledge of all TIC technologies and their benefits. TIC enhances gas turbine power generation capacity and efficiency during hot weather, when power demand is high. TIC systems are well-proven and economically attractive pathways for decarbonizing the electric grid by minimizing the need to operate less efficient, higher-carbon systems to meet grid demand during hot weather. pathways for decarbonizing the electric grid by minimizing the need to operate less efficient, higher-carbon systems to meet grid demand during hot weather.