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FOR IMMEDIATE RELEASE

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Naperville, IL – The Turbine Inlet Cooling Association (TICA) is pleased to announce that it presented its 2024 Turbine Inlet Cooling Excellence Award to Exira Station of Missouri River Energy Services (MRES). The award was presented at the annual Western Turbine Users, Inc. (WTUI) Conference held on March 24-27 in Palm Springs, CA.

Justin Rose, National Accounts Manager of Munters Corporation and Chairman of TICA, presented the award to Devon Meyer, who represented the O&M Department of MRES.



Justin Rose (TICA Chairman, left), Devon Meyer (MRES), and Keith Flitner (TICA President)



Exira Station of MRES, Brayton, Iowa

The MRES' Exira Station facility in Brayton, Iowa, generates electric power using three GE LM6000 gas turbines. It has used turbine inlet cooling (TIC) for over 20 years to increase power generation capacity and efficiency during hot weather. The facility uses chilled water to cool the turbines' inlet air. Four electric chillers of 4,700 tons nominal capacity produce the chilled water. The TIC at the facility is fully automated. When the ambient dry-bulb temperature is 100°F, cooling the turbine inlet air to 50°F increases the net electric power production capacity from 100 MW to 135 MW: a 35% increase in capacity when electric power is in most demand.

TICA is a non-profit trade association that develops and disseminates knowledge of all TIC technologies and their benefits. TIC enhances every gas turbine's 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 and high carbon-emitting systems to meet the grid demand during hot weather.