TICA Achievements

1. Developed and posted on our Website, a Database of over 400 installations of Turbine Inlet Cooling Systems for which TICA members supplied equipment or services from 1975 through 2024

2. Met with and presented TIC technology options and benefits to the Electricity Committees of the National Association of Regulatory Utility Commissioners (NARUC) in 2006 and 2008

3. Taught a one-day course, "Turbine Inlet Cooling: The Energy Solution to Increase Power Output, Lower Emissions, Decrease Carbon Footprint & Reduce Heat Rate" at POWER-GEN International (2009)

4. Added a Calculator to the TICA Website for Evaluating Preliminary Performances of Three Turbine Inlet Cooling Technologies (2010)

5. Developed a White Paper (2012), "Turbine Inlet Cooling: A Valuable Tool to Increase Electric Energy Production During Hot Weather"

6. Developed (2014) Quantitative Benefits of Turbine Inlet Cooling for Increasing Capacity and Reducing Grid-Wide Emissions for Top 20 States in the U.S.

7. Met with U.S. EPA (2014) and gave a Presentation, "Turbine Inlet Cooling: Increasing Summer Peak Capacity and Reducing Overall Emissions."

8. Developed a White Paper (2018), "Energy Storage: A Clear Need for the Power Grid, But How Best to Achieve It?"

9. Published Technical Papers:
    1. Compiled reprints of seven technical articles by TICA members published in Energy-Tech (2005)
    2. Combined Cycle Journal (2022)
    3. IDEA's District Energy magazine (2024)

10. Presented Technical Papers at:
    1. POWER-GEN International Conference (2008)
    2. Electric Power Conference (2008)
    3. Midwest Cogeneration Association Conference (2008)
    4. ASME Turbo Expo (2011)
    5. Western Turbine Users Conference (2017)
    6. ASHRAE Annual Conference (2020)
    7. Combined Cycle Users Conference (2024)
    8. International District Energy Association Conference (2-24)
    9. Energy Solutions Center (2024)

11. Presented 17 complimentary webinars on TIC Technologies and Best Practices (2012-2017)

12. Exhibited at:
    1. National Association of Regulatory Utility Commissioners (NARUC) Conference
    2. Seven POWER-GEN International Conferences (2008-2015)
    3. Seven Electric Power Conferences (2008-2015)
    4. ASME TurboExpo (2011)
    5. Midwest Cogeneration Association (2008)
    6. Western Turbine Users Conference (2017)

13. Presented Ten TIC Excellence Awards at the Western Turbine Users Conference (2018-2026)

14. TICA has 93 Members: 17 Suppliers/Service Providers, 66 Gas Turbine Users, and 10 non-profit organizations, including the Gas Turbine Association, International District Energy Association, Combined Heat and Power Alliance, Midwest Cogeneration Association, and California Energy Commission.