# Dharam Punwani's Combined Heat and Power (Cogeneration) Publications & Presentations

1. "Turbine Inlet Cooling: A Pathway for Maximizing the Potential of CHP for Decarbonizing the Electric Grid," presented at the 2024 Forum of the Energy Solutions Center on June 26.

2. "Turbine Inlet Cooling: An Excellent Pathway for Maximizing the Grid-Decarbonization Potential of CHP Systems," presented on April 20, 2023, at the webinar hosted by the Midwest Cogeneration Association (MCA) and the U.S. Department of Energy's Midwest and Central CHP Technical Assistance Partnerships.

3. "Turbine Inlet Cooling Technologies, their Benefits for Cogeneration/CHP, and a Case Study," presented a webinar on November 18, 2021, hosted by the Midwest Cogeneration Association (MCA) and the U.S. Department of Energy's Midwest and Central CHP Technical Assistance Partnerships.

4. CHP Feasibility Study for Weber Stephen Products, Huntley, IL (2019)

5. CHP Feasibility Analysis for U.S Army Muscatatuck Urban Training Center, Jennings County, Indiana (2018)

6. "Turbine Inlet Cooling Case Study for an Industrial CHP System for Multiple Buildings in the Midwest," a paper presented at the International District Energy Association Conference, Chicago, IL, July 2, 2012

7. "Benefits of Turbine Inlet Cooling and Thermal Energy Storage for CHP and Cogeneration Systems," Midwest Cogeneration Conference, "Implementing Winning Cogeneration/CHP Projects," Elgin (Chicago Area), I.L., October 11, 2011

8. "Turbine Inlet Cooling Technologies and Applications for Optimizing Cogeneration / CHP Systems," a Webinar Presentation Cosponsored by the Midwest Cogeneration Association and the U.S. DOE Midwest Clean Energy Application Center, August 25, 2011.

9. "Optimizing Clean Energy Systems with Thermal Energy Storage and/or Turbine Inlet Cooling," U.S. Clean Heat & Power Association (USCHPA) Spring CHP Forum, Washington, DC, May 5-6, 2011

10. "Combined Heat & Power (CHP) for Hospital Applications" Developed for the U.S. Department of Energy (2009)

11. "Technologies and Economics of Turbine Inlet Cooling Application in Cogeneration," Midwest Cogeneration Association Conference, Countryside, IL, May 6, 2008

12. "Combined Heat & Power (CHP) Resource Guide" developed for the U.S. Department of Energy (2005)

13. Database of U.S. Combined Heat & Power Installations Incorporating Thermal Energy Storage and/or Turbine Inlet Cooling," a report prepared for the U.S. Department of Energy, September 2005.

14. "Turbine Inlet Cooling for Power Augmentation in Combined Heat & Power (CHP) Systems," presented at POWER-GEN International 2005, Las Vegas, NV, December 6-9, 2005
"Gas Cooling Website" Developed for the Gas Research Institute 2004

15. "Database of U.S. Combined Heat & Power Installations Incorporating Thermal Energy Storage and/or Turbine Inlet Cooling," a report prepared for the U.S. Department of Energy, September 2004.

16. "Combined Heat & Power (CHP) Resource Guide," developed for the U.S. Department of Energy 2003

17. "Combined Heat & Power (CHP) Website," developed for the Oak Ridge National Laboratory (2003)

18. "Combined Heat & Power (CHP) Website, for the U.S>Department of Energy (2001)

19. "A Hybrid System for Combustion Turbine Inlet Cooling for a Cogeneration Plant in Pasadena, TX," ASHRAE Transactions Vol.107, Part 1, 2001.

20. "Absorption Chiller Application for Power Generation: A Case Study for a 316-MW Cogeneration Plant in Pasadena, Texas (USA)," presented at the International Gas Research Conference, Amsterdam, The Netherlands, November 2001.

21. "A Hybrid System for Combustion Turbine Inlet Cooling at a Cogeneration Plant in Pasadena, Texas," presented at the ASHRAE Symposium on Combustion Turbine Inlet Cooling, Atlanta, GA, January 2001

22. "Emerging Chiller Market for Power Generation," presented at the American Gas Cooling Center's Chiller Consortium Meeting, Chicago, IL, March 1, 2000

23. "Absorption Chiller Application Briefs for Hospitals, Offices, and Education Centers," presented at the American Gas Cooling Center's Chiller Committee Meeting, Chicago, IL, March 1, 2000

24. "Engine Chiller Application Briefs for Hospitals, Offices, and Education Centers," presented at the American Gas Cooling Center's Chiller Committee Meeting, Chicago, IL, March 1, 2000

25. "Emerging Growth Opportunity for Sorption Heat Pumps: Power Capacity Enhancement of Gas Turbine Systems," International Sorption Heat Pump Newsletter, Vol.5, No.4, Fall 1999.

26. "Application of Absorption Chiller for Combustion Turbine Inlet Cooling: Some Technical and Economic Analysis and Case Summaries," presented at the ASHRAE Seminar on Combustion Turbine Inlet Cooling, Seattle, WA, June 1999.

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