



Avalon's CHP Publications & Presentations

1. "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), IL, October 11, 2011
2. "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
3. "Zero-Emission Electricity (ZEE) Generation from Fossil-Fuel Systems," Electric Power 2011, Rosemont (Chicago Area), IL, May 10-12, 2011
4. "Optimizing Clean Energy Systems with Thermal Energy Storage and/or Turbine Inlet Cooling," U.S. Clean Heat & Power Association, Washington, DC, May 5-6, 2011
5. "Turbine Inlet Cooling: Increased Energy Efficiency & Reduced Carbon Footprint Aspects for District Energy Systems," International District Energy Association (IDEA) Conference, Indianapolis, IN, June 14, 2010
6. "Carbon Footprint, Environmental Benefits and Emission Controls," Chapter 7 in *"Sustainable On-Site CHP Systems: Design, Construction and Operations"*, a McGraw Hill publication, January 2010
7. "CHP System at the Janesville Wastewater Treatment Facility, Janesville, WI," a project profile developed for the U.S. DOE's Midwest CHP Application Center, March 2009.
8. "CHP System at the Rochester Wastewater Reclamation Plant, Rochester, MN," a project profile developed for the U.S. DOE's Midwest CHP Application Center, August 2008.
9. "Technologies and Economics of Turbine Inlet Cooling Application in Cogeneration," Midwest Cogeneration Association Conference, Countryside, IL, May 6, 2008
10. *"Combined Heat and Power Resource Guide for Hospital Applications,"* developed for and published by the U.S. Department of Energy, March 2008.
11. "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
12. "Distributed Generation and Cogeneration," a short course presented for the staff and customers of The Southern California Gas Company, October 2005

13. "Natural Gas-Fired Cooling," a short course presented for the staff and customers of The Southern California Gas Company, October 2005.
14. "Building Energy Analyzer Software," a short course presented for the staff and customers of The Southern California Gas Company, October 2005.
15. "*Combined Heat and Power Resource Guide*," developed for and published by the U.S. Department of Energy, September 2005.
16. "Cogeneration Systems," a chapter co-authored for the Natural Gas-Fired Cooling Technologies and Economic, a textbook developed for the Gas Technology Institute, June 2005.
17. "Building Energy Analyzer," a chapter co-authored for the Natural Gas-Fired Cooling Technologies and Economic, a textbook developed for the Gas Technology Institute, June 2005.
18. The *Natural Gas-Fired Cooling Technologies and Economic*, a textbook, co-edited and developed for the Gas Technology Institute, June 2005.
19. "Combined Heat and Power Systems Training Course," developed for the Gas Technology Institute, November 2004.
20. "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.
21. "Gas Cooling and Desiccant Dehumidification Systems," Web-based tutorials developed for the Cooling Solutions Fund members of the Gas Technology Institute, April 2000-2004.
22. "Gas Cooling Application Savings Calculators," Web-based calculators developed for 14 members of the Cooling Solution Fund of the Gas Technology Institute, April 2000-2004
23. "CHP System at the University of Texas at Austin, TX" a case study developed for the Gas Technology Institute, October 2003.
24. "*Combined Heat and Power Resource Guide*," developed for and published by the U.S. Department of Energy, September 2003.
25. "Building Energy Analyzer Training Seminar," a Web caste developed and presented to the members of the Cooling Solutions Fund members of the Gas Technology Institute, June 2003
26. "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.
27. "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.