

# Basic Thermal Performance Training

September 15-18, 2020

**NEW - Course will be conducted to accommodate both in-person and virtual attendance. Please specify desired option on registration form.**

## OVERVIEW

The Basic Thermal Performance training includes many hands-on examples to drive home the theory and practical application. This session is geared toward engineers responsible for plant thermal performance.

## COURSE CONTENT

- **Thermal Performance Basics:** Designed to review thermodynamic fundamentals and describe the essential elements of a thermal performance program
- **Power Plant Cycle & Component Evaluation:** Designed to teach how to identify and recover lost megawatts throughout the thermal cycle with an emphasis on an integrated approach to understanding the thermal cycle.
- **Thermal Plant Resources and Tools:** Designed to provide the engineer a good understanding of resources used to evaluate thermal performance including trending, analysis, turbine testing, cooling tower testing, quantification of losses and software tools.

## SCHEDULE AT A GLANCE - September 15-18, 2020

Tues, Sept 15	7:00am – 3:00pm	Thermodynamic Fundamentals & Component Analysis
Wed, Sept 16	7:00am – 3:00pm	Cycle and Component Analysis
Thurs, Sept 17	7:00am – 3:00pm	Thermal Performance Tools and Resources
Fri, Sept 18	7:00am – 11:00am	Testing & Program Development

\*All times are MDT

## CONTINUING EDUCATION UNITS (CEU)

Each attendee will receive a Certificate of Completion for 2.8 Continuing Education Units (CEU) credits to qualify for 28 Professional Development Hours (PDH) needed to fulfill Professional Engineers’ continuing education requirements. The credits will be awarded without authorization. It is the attendee’s responsibility to keep and present the certificate to any organization that requires the certificate.

**FEE: \$2,695**

\*Lunches and beverage service will be provided.

\*\* Calculator, Heat Balance Diagram and/or Thermal Kit of your Plant

**TRAINING LOCATION**

The Bridges  
2500 Bridges Drive  
Montrose, CO 81401  
(970) 252-1119

**ACCOMMODATION SUGGESTIONS**

Holiday Inn Express  
1391 S. Townsend Ave.  
Montrose, CO 81401  
(970) 240-1800

Hampton Inn  
1980 North Townsend  
Montrose CO 81401  
970-252-3300

**ABOUT THE INSTRUCTORS**

Frank Todd | [fdt@tnorthconsulting.com](mailto:fdt@tnorthconsulting.com) | 970.964.2753

Frank serves as Manager of Thermal Performance at GSE TrueNorth. Frank is highly skilled in the use of analytical tools designed to evaluate thermal performance and improve plant efficiency and reliability. These tools include a variety of approaches using computer-based plant modeling with strong emphasis on problem analysis and resolution. Additionally, Frank has developed a wide spectrum of test specifications, procedures, and testing configurations in support of thermal performance improvements.

Jerry Munyan | [jmunyan@tnorthconsulting.com](mailto:jmunyan@tnorthconsulting.com) | 970.964.2745

Jerry is a Senior Consultant of Thermal Performance at GSE TrueNorth. Jerry has forty years of experience in the nuclear industry including; Nuclear Testing, System Engineering, Component Engineering, and Thermal Modeling.

**QUESTIONS** - Contact Carrie Briggs at [carrie.briggs@gses.com](mailto:carrie.briggs@gses.com).

