

# Basic Nuclear Thermal Performance Training

September 24-26, 2024

Montrose, Colorado

## OVERVIEW

The Basic Nuclear Thermal Performance training includes many hands-on examples to reinforce the theory and practical application. This session is geared toward engineers responsible for nuclear plant thermal performance and *will be offered in person only*.

## COURSE CONTENT

- **Thermal Performance Basics:** This course reviews thermodynamic fundamentals and describes the essential elements of a nuclear thermal performance program.
- **Power Plant Cycle & Component Evaluation:** This course teaches how to identify and recover lost megawatts throughout the thermal cycle, emphasizing an integrated approach to understanding it.
- **Thermal Plant Resources and Tools:** This section is designed to provide the engineer with a good understanding of resources used to evaluate thermal performance, including trending, analysis, turbine testing, cooling tower testing, loss quantification, and software tools.

## SCHEDULE AT A GLANCE - September 24-26, 2024

Tuesday	8:00 am to 4:00 pm (MST)	Thermodynamic Fundamentals & Component Analysis
Wednesday	8:00 am to 4:00 pm (MST)	Cycle and Component Analysis
Thursday	8:00 am to 4:00 pm (MST)	Thermal Performance Tools and Resources Testing & Program Development

## 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.

\*\* Please bring a calculator and heat balance diagram/thermal kit of your plant

<b>TRAINING LOCATION</b>	<b>HOTEL SUGGESTIONS</b>
Holiday Inn Express 1391 S. Townsend Ave. Montrose, CO 81401	<ul style="list-style-type: none"><li>• Holiday Inn Express (970) 240-1800</li><li>• The Bridges Golf &amp; Country Club (970) 252-1119</li><li>• Hampton Inn (970) 252-3300</li></ul>

**ABOUT THE INSTRUCTORS**

**Frank Todd | [frank.todd@gses.com](mailto:frank.todd@gses.com) | 970.964.2753**

Frank serves as Chief Technical Consultant at GSE Engineering. 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.

**Greg Kanuckel | [greg.kanuckel@gses.com](mailto:greg.kanuckel@gses.com) | 970.964.2743**

Greg serves as the Manager of Thermal Performance at GSE Engineering. Greg has extensive experience in evaluating thermal performance for nuclear plants, including performance testing, cycle and component analysis, instrument error identification, and advanced software modeling including Data Validation and Reconciliation (DVR).

**QUESTIONS** - Contact Derek Horn at [derek.horn@gses.com](mailto:derek.horn@gses.com).

## REGISTRATION FORM

### Basic Thermal Performance Training

Sept 24-26, 2024

REGISTRATION DEADLINE – Sept 16, 2024

**To Register:** [www.gses.com/training-registration/](http://www.gses.com/training-registration/)

Or E-mail Form to: [derek.horn@gses.com](mailto:derek.horn@gses.com)

Questions: 970.822.9213

Payments must be received before the training.

**Send payment information to:**

[jacob.hebbel@gses.com](mailto:jacob.hebbel@gses.com) or call 970-964-2761

**Or mail checks to:**

GSE Performance Systems (Attn: Training Group)  
 6940 Columbia Gateway Dr., Suite 470  
 Columbia, MD 21046

Name:	
Job Title:	
Company and Plant:	
Telephone:	
Email:	
<b>Payment Information</b>	
Check one form of payment:	<input type="checkbox"/> CREDIT CARD <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> Other
Card #	
Exp. Date:	
Cardholder Name:	
Credit Card Billing Address:	
Signature:	
Cardholder's Email Address/Phone Number:	
<ul style="list-style-type: none"> <li>Remittance of payment is due one week prior to the first day of training.</li> <li>Receipt for payment will be emailed to you as your confirmation.</li> <li>If your company or another party will be compensating GSE Solutions for your registration fee via check or credit card, please include a contact name, number and email address of the person responsible.</li> <li><b>All information shall remain confidential.</b></li> </ul>	
If you have any questions about registering, please email <a href="mailto:derek.horn@gses.com">derek.horn@gses.com</a> .	