



TP-Plus TSM

The Next Level for Thermal Performance

In today's power industry, plant personnel have fewer resources available to monitor one of the most critical aspects of a power plant—Thermal Performance. In response to this need to assist the ever busy plant engineer, True North Consulting offers TP-PLUS. TP-Plus is a thermal performance engineering tool kit consisting of several unique calculation modules for use in the electric power industry to simplify and provide time-saving, convenient methods of tracking Thermal Performance in nuclear, fossil and combined cycle plant applications.

TP-Plus includes a user interface into this family of calculation modules. Modules can be purchased as needed and added to the TP-Plus package at any time.

The TP-Plus family consists of many powerful thermal performance modules.

IMPLEMENTATION SERVICES

To complement the software, True North Consulting includes services by experienced staff to install, configure and provide training at the plant site for use and application of TP-Plus. The True North Consulting guarantee is that when we leave your site you will know how to use the tools to improve your plant Thermal Performance.

TP-PLUS TSM

TP-Plus Thermal System Monitor provides detailed reporting of significant Thermal Performance behavior to account for lost generation and heat rate in fossil, nuclear and combined cycle generating plants.

With TP-Plus TSM, plant personnel can quickly detect AND quantify losses in a plant cycle.

True North Consulting will configure customized TP-Plus TSM reports that match your needs and reporting structure.

Interface forms are available in a convenient web-like format for easy access to reports and performance information. Alerts are provided for quick identification of performance issues.

TP-Plus TSM includes trends to view performance information. Each report compares current plant operation to both baseline and historical targets in tabular and graphical formats.

Results from TP-Plus TSM reports provide information to the busy plant engineer to prioritize plant Thermal Performance problems. Additionally, manager reports are included with summarized results of thermal performance alerts and prioritized action items.

BENEFITS OF TP-PLUS TSM

- **Identify** new areas where plant efficiency can be increased
- **Establish** a thermal performance monitoring program
- **Recover** lost megawatts
- **Reduce** elapsed time between the start of a problem and the correction of the problem

CONTACT US!

Frank D. Todd
150 Merchant Drive
Montrose Colorado 81401
970-964-2753
970-251-1837 (fax)
fdt@northconsulting.com

COMPANY PROFILE

True North Consulting is an Engineering Services company specializing in support of the electric power industry. Founded in 1999, True North has provided engineering based consulting services to the majority of US utilities and to several abroad. Our services cover a wide spectrum within the power generation sector ranging from Engineering Programs related services in the power industry to plant Thermal Performance issues across the entire generation continuum. Additional areas of expertise include a complete array of Power Services associated with secondary plant equipment and a highly experienced Information Technology staff supporting our line of customized software products.

It is our goal and ongoing commitment to optimize these services with respect to cost, technical adequacy, and overall value to our clients. To meet this goal we continue to refine and update our staff and services through incorporation of technology and experience-based advancements.

True North Consulting Thermal Performance Division is headquartered in Montrose, Colorado with satellite offices in New Jersey, Idaho and Alabama.