Make the Right Decision . . .

. . . with GenGauge™—the software system that dramatically improves operating and load decisions for power generation utilities.

GenGauge software enables you to better decide which units should be operating and at what load by providing:

- More accurate real-time and projected coal quality, heat rate, and cost information for coal-fired units
- Real-time and projected heat rate and cost information for gas and oil-fired units
- And in emergency situations, GenGauge provides essential information on exactly how much energy your coal-fired units can deliver.

HIGHLIGHTS

- *Provides accurate real-time coal quality, heat rate, and cost data for dispatch decisions*
- *Produces short- and long-term projections of coal quality, heat rate, and cost for unit commitment decisions*
- *Gives important information to coal-fired units for use during emergency response situations*

GenGauge is designed to work in conjunction with GE Energy Services' portfolio of combined cycle optimization software products.

- **Coalogic™** tracks a unit's coals as they move through the yard to the boiler
- **Optifire™** calculates heat rate curves and generation costs

GenGauge is capable of helping customers save up to $1 million per 1,000 MW of dispatched generation annually. (Even greater savings are possible when used with Coalogic and Optifire software.)

The next step in generation management

GenGauge is a major advance in the way utilities can make generation decisions. In our evolving power market, yesterday's assumptions about consistent fuel quality and operating performance are rapidly disappearing. Today's market demands the fuel flexibility and real-time data that GenGauge delivers. Our advanced software system provides the information you need to make cost-effective decisions and adapt to an ever-changing playing field.

Better generation decisions help the bottom line

Better generation decisions improve profitability. The current utility practice is to use long-term averages for coal quality, heat rate, and costs when deciding how to operate units. But in today's competitive marketplace, coal-fired utilities use a variety of different coals in an attempt to improve performance and reduce costs. This can result in a wide range in coal quality and price from unit to unit on any given day.

Since coal costs have the largest impact on the bottom line and a unit's performance is dictated by coal quality, the availability and accuracy of this *real time* data—along with future projections—can dramatically improve the way coal-fired units operate to meet demand. In addition, though gas and oil-fired units generally have consistent fuel quality, they may also have varying heat rates as equipment degrades or operation changes. Providing accurate heat rate curves in real time for all units can significantly improve decisions on how they should be operated. GenGauge is the only product designed to obtain and utilize these data and increase the utility's system-wide profits.

GenGauge realizes the savings

A recent internal study by GE Power Systems shows that the improvement in coal quality, heat rate, and cost data that GenGauge provides can produce savings of up to $1 million per 1,000 MW of dispatched generation annually. GenGauge achieves these impressive savings by integrating Coalogic's ability to accurately track coals at each unit with Optifire's ability to calculate heat rate curves and generation costs for any load. GenGauge puts it all together in one comprehensive package, providing the data you need to make better generating decisions—and significantly improve your profits.

To learn more, visit gepower.com or call (408) 934-3701.

Helps in emergency response situations

Whenever an emergency occurs at a coal-fired plant, such as the main coal conveyer breaking down or a mill going off-line, GenGauge will provide critical information about how much coal is in each bunker, how long it will last, how quickly a change in coal quality can be made, and how many MW each unit can pick up. These data are essential in keeping coal-fired plants working and meeting demand until operations are returned to normal.

Easy-to-use interface

GenGauge provides an easy-to-use interface that allows you to see projected coal quality, heat rate, and costs for each unit in the system in both graphical and tabular form. And emergency response information for coal-fired units is always at your fingertips.

System requirements

GenGauge is based on Windows NT technology and will run on Windows 95 machines or higher.

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