"It's challenging to keep costs down in my gas-fired plant while staying compliant."

Improved operational flexibility is required to keep pace with the rapidly changing nature of renewable energy sources.

Ed Decker, Emerson, 2012

What if...

- You had an accurate flow device certified for fiscal custody transfer that assured you are getting what you pay for?
- You could run your plant for long periods of time with little or no device maintenance?
- You could meet environmental regulations while optimizing your production?

As a plant manager, it's your job to run the plant as cost-effectively and smoothly as possible. There are many challenges you face every day, including plant safety, meeting environmental regulations, keeping unplanned outages to a minimum, improving your plant heat rate and minimizing custody transfer disputes. Problematic flow measurement points add to the challenge.

Your flow measurement technology must keep pace, assisting in meeting these challenges. Older flow measurement technologies such as primary element differential pressure, turbine, or positive displacement devices, all require pressure and temperature compensation to give you mass flow, require routine calibration and maintenance, and lack the available accuracy and turndown of other devices.

Plant executives we talk to tell us about challenges like these:

"I'm worried that I'm not getting what I pay for."

In order to operate efficiently and manage your costs, you need a custody transfer process that assures you are getting what you are paying for. Truck scales are not as accurate as custody transfer certified Coriolis meters, and they require regular maintenance.

"It costs too much to install and maintain traditional volumetric flow technologies."

Long straight runs of pipe, and extra pressure and temperature devices are required to optimize flow measurement accuracy.

"Meeting environmental regulations can be challenging and expensive!"

Scrubber processes require precise control to stay in compliance. The tighter the measurement tolerances, the better you can control your process.

Micro Motion®

EMERSON™
Process Management

POWER PRODUCTION

Improve flow and flexibility

Power production managers worldwide are choosing Emerson's Micro Motion flow measurement technology.

With our meters, you'll gain an exceptional degree of flexibility, accuracy, and measurement precision, while gaining instrument reliability and reducing unplanned downtime. Because our Coriolis meters measure mass directly, you won't need additional pressure and temperature instrumentation to calculate mass flow rate. This reduces calibration and maintenance costs. And, because our devices are designed with simplicity in mind—a single unit with process end connections—you'll eliminate up to 90% of potential leak points, dramatically improving safety. Nor will you have to take your process down for unnecessary calibrations.

As a result, you'll be better able to maximize production while keeping risk and cost to a minimum.

REDUCE MAINTENANCE COSTS

With no moving parts in Coriolis flowmeters, there is no routine maintenance and virtually no performance degradation over the lifetime of the instrument. This also means lower maintenance costs.

IMPROVE FLOW MEASUREMENT

Mass flow is not affected by changes in process temperature, pressure, density, viscosity, and flow profile, so no matter what your power plant is measuring, Micro Motion Coriolis flowmeters cannot only handle it, but they can improve your measurement accuracy.

INCREASE SAFETY

Micro Motion Coriolis flowmeters require no routine maintenance, full digital communication capabilities, and the meters have Smart Meter Verification (SMV) available, which keeps your instrument staff in the control room and out of hazardous areas. They also have a SIL II safety rating and are available for use in a variety of hazardous plant locations.

After installing a Micro Motion Coriolis flowmeter, a power plant realized lower operating costs due to the elimination of meter recalibration and maintenance, which reduced system downtime.

www.MicroMotion.com/power

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