QMC

Integrated Submetering

Temporary Thermal Metering Services

Verify existing building equipment for verification and auditing.

How accurate is your existing thermal meter system?

Do you know your real HVAC energy demand needs?

Is your heating and cooling plant sized accordingly?

QMC has the technical knowledge to offer a fast and verified method for ensuring building data accuracy.

The Problem

Legacy systems and underperforming measuring equipment provide ineffective information resulting in **wasted energy and revenue loss**.

The Solution

Energy managers and building owners need a cost-effective way to verify their building energy data, while mechanical engineers and consultants require an effective service to audit energy use.

QMC's **Temporary Thermal Metering Services** can help in two ways.

Verify Existing Meters

- A licensed QMC technician installs a temporary thermal meter in series with the existing building meter
- Collected meter data will be sent to MeterConnex, allowing clients remote access and analysis
- Intervals can be set anywhere from 5 seconds to monthly
- Ideal for building managers, institutional customers, or large commercial and retail facilities

Energy Survey & Audit

- QMC installs a temporary meter in line with the existing meter for auditing purposes
- Verify measurement data. Create value to realize energy reductions or identify lost revenue sources
- Ideal for mechanical engineers, contractors, and energy consultants

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Case Study 1 - Large Commercial

Project: Resolved a major billing dispute between a tenant and the building through an energy audit. QMC installed a temporary thermal meter for a period of one week. A detailed report was produced for both parties, illustrating a maximum of 1.5% difference between energy reported on two systems.

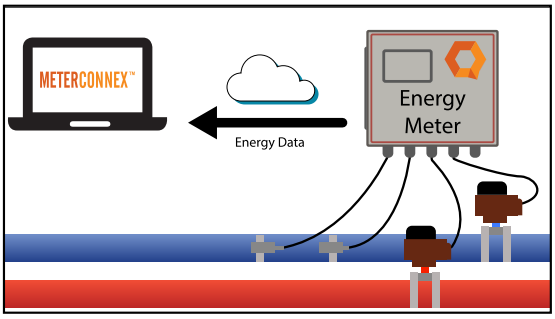
QMC's new service was able to verify the building's meter data, which allowed the building owner to recoup charges on thousands of kWh, with total **annual additional revenue of over $50,000**, as well as building customer and landlord trust.

The client was also due for a metering retrofit, allowing them to be Measurement Canada compliant. With an estimated 1 year payback on new meter installations and with a 25-year life cycle, the client will quickly reap the benefits.

Case Study 2 - University Campus

Project: Verify the existing thermal metering systems re-used in a multi-million dollar project for a large Canadian college comprised of two campuses. After installing temporary thermal meters, QMC was able to identify that 15% of the existing meters had failed tests and required replacement due to non-linear offsets.

By replacing the old equipment with Measurement Canada-approved meters, our client was able to ensure accuracy for both data analysis and proper budgeting, **avoiding the mismanagement of approximately 15% of total campus energy.**



Case Study 3 - Large Institutional

A client requested QMC deploy a temporary metering system to verify the efficiency of their existing **steam-based heating system** within their hospital complex, as well as determine the potential for **system upgrades**. The installed temporary meter collected utility data in 15-minute intervals over two weeks and reported information to MeterConnex™, our cloud service platform.

QMC helped determine the sizing of the new HVAC plant, allowing the design team to save time and money. A further benefit of this process was crucial for determining IESO grant payouts, as they can subsidize up to 50% of a property's HVAC equipment and installation costs.

Temporary Thermal Meters Can Verify and Audit Your Building or Portfolio. Contact Us Today.

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