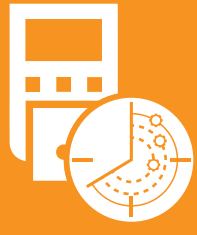


INTERVAL DATA RECORDER METERS

\$300,000 Saved with BillAudit™



WHAT ARE INTERVAL DATA RECORDER METERS?



An Interval Data Recorder (“IDR”) Meter is used for measuring and recording utility usage at specific intervals of time. Although these devices can be scheduled to record and transmit the meter reads at intervals ranging from one fraction of a second to once every month, a read every 15 minutes is the industry standard which equates to 3,000 meter readings a month.



THE MORE DATA THE BETTER

Before IDR Meters, reads were available on a once per month basis which could not adequately reflect the actual fluctuations in demand, energy needs, and true operational requirements of the user. The frequent readings IDR Meters provide allows for more granular data and opens the door to greater opportunities for savings. When combined with the appropriate processes and algorithms, interval data can result in operational improvements, more appropriate rate structures, lower commodity costs, greater efficiency, and a greener operation.



CASE IN POINT: BILL AUDIT™ + INTERVAL DATA = BILLING REDUCTIONS



IDR Meters provide detailed utility information for intricate analysis, and with UtiliSave's BillAudit™ solution which conducts a comprehensive analysis of complex utility data sets, billing discrepancies are realized and maximum savings and refund opportunities are captured.



Historically in order to bill a client, the utility company reads the property meter at least once per month for maximum demand which does not adequately reflect the details of actual usage. By analyzing 15-minute data intervals recorded by the IDR Meter, UtiliSave utilizes the granular data to isolate discrepancies.

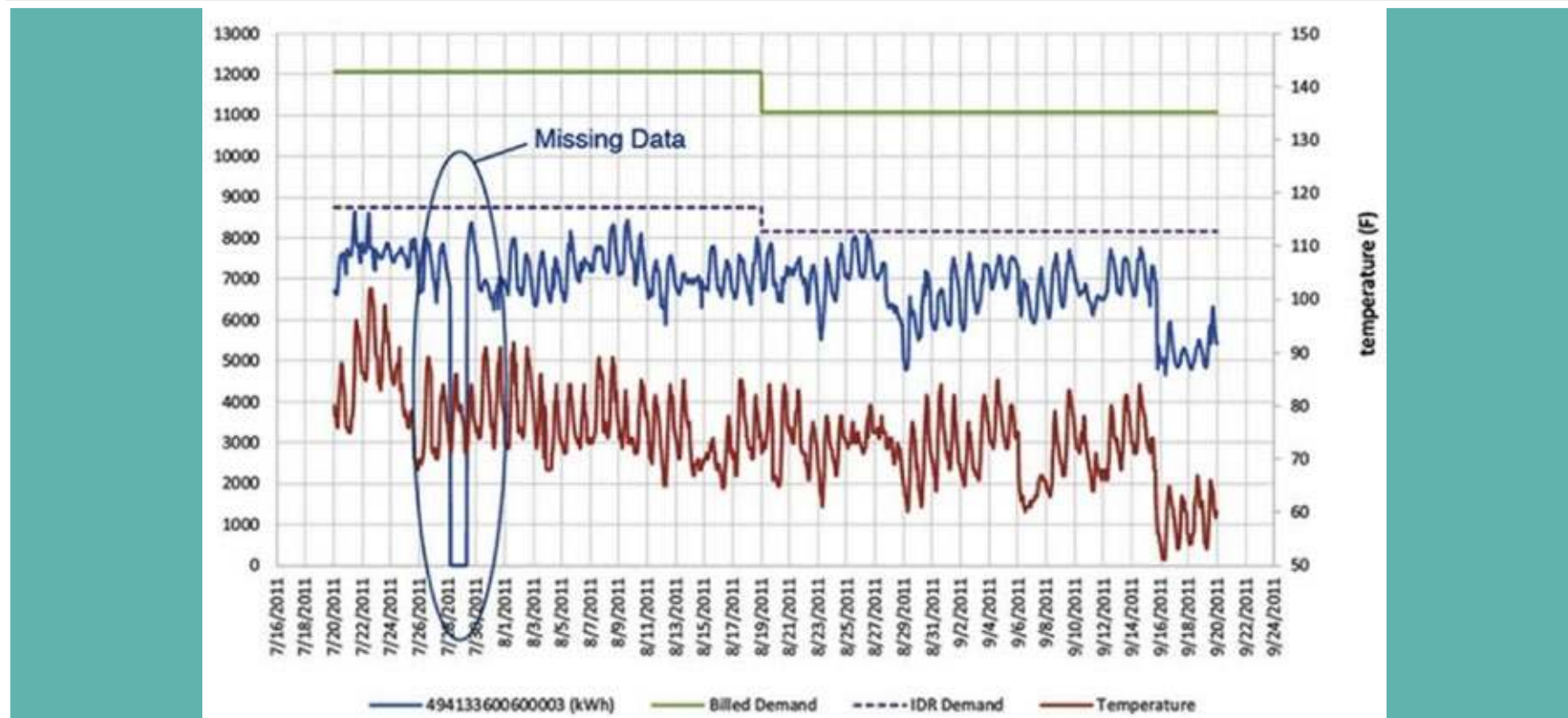


Figure 1: Demand as billed vs. Demand as recorded from an IDR meter

Figure 1 is an example of billing data captured in a two month period which compares the demand amounts that were billed by the utility company in each of the billing periods, the data recovered from an IDR Meter, the weather data for the given periods, and what should be the correct level of demand.

The utility bill issued for this time period was presented as "actual", but it is evident that the billed amount contradicts the relevant data sets. With UtiliSave's deep analysis of the granular IDR data, we were able to prove in this example that the claimed "actual" data was incorrect, resulting in a **\$300,000** reduction.



ADDITIONAL USE FOR IDR DATA

The same data sets can be applied to locate operational inefficiencies. UtiliSave provides in-depth analysis to uncover potential operational issues that result in wasted energy usage.

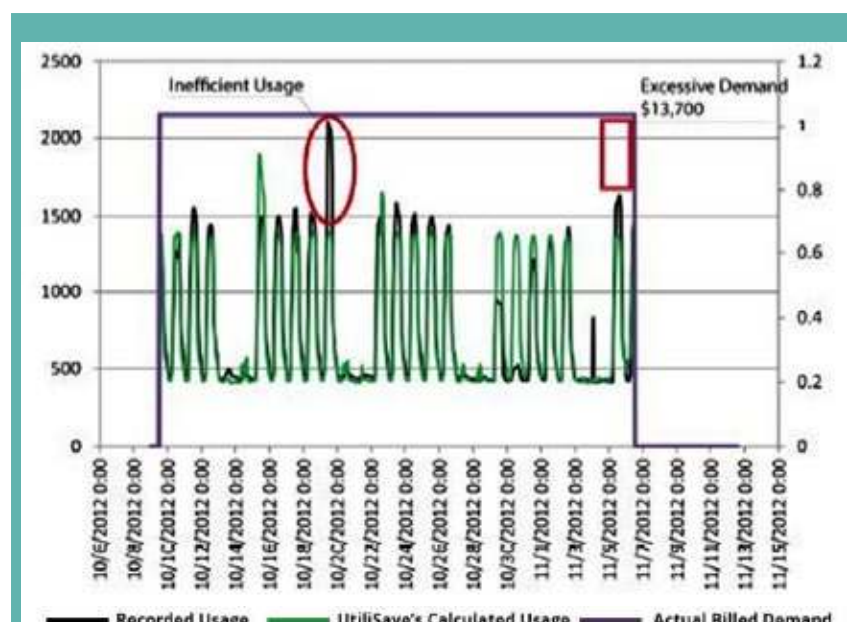


Figure 2: Spike in usage

Figure 2 illustrates an example of an unusual spike in a client's usage/demand on October 19th, which was not supported by weather or historical data. This usage now constitutes the peak demand, and without it, the peak demand would have occurred on November 6th at a much lower data point. When billed, the net cost for this operational issue was **\$13,700**.

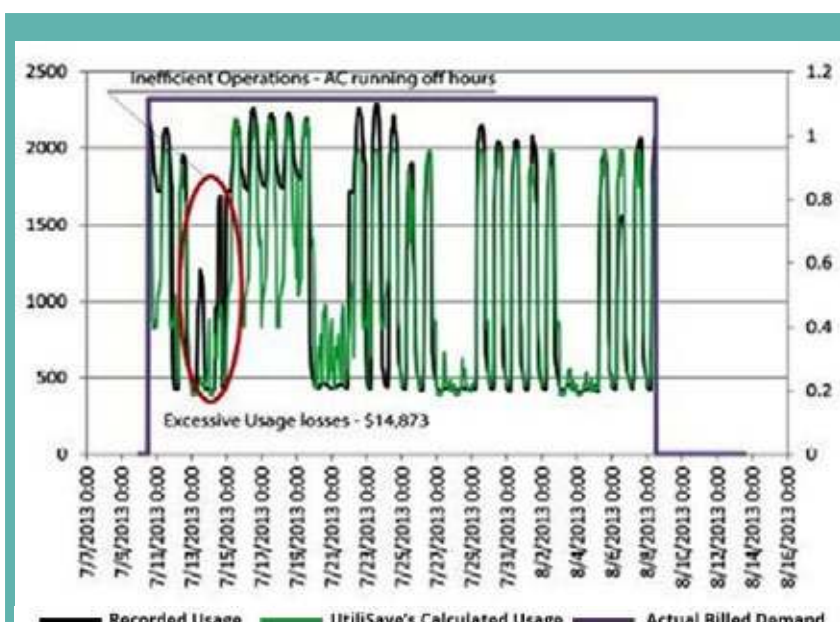


Figure 3: Higher than normal usage

Figure 3 is another example of an operational inefficiency captured with IDR data. The graph demonstrates excessive usage during the weekend of July 13-14, which most likely resulted from an AC being left on. The net cost for this unmanaged usage ran to **\$14,873**.

- With UtiliSave's deep analysis of the granular IDR data, we were able to prove in this example that the claimed "actual data" was incorrect, resulting in a **\$300,000** reduction.
- When billed, the net cost for this operation issue was **\$13,700**.
- The net cost for this unmanaged usage ran to **\$14,873**.



CONCLUSION



Deep granular data analysis uncovers instances that are invisible to the naked eye and that can skew manual one-off readings. Detailed IDR data coupled with UtiliSave's BillAudit™ solutions can uncover significant amounts of savings for energy consumers.



WE CAN PROVE IT

Ask us for actual savings reports and case studies of success.

An industry leader in utility data optimization **since 1991.**

More than **\$700M+** in hard-dollar savings and refunds recovered.

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Experience in **475+** tariff jurisdictions nationwide.

