

Reporting with ION Enterprise

Avoiding some of the pitfalls



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Energy Management is an Essential.

**The ability to reliably track and report
is non-negotiable**

- » **Sarbanes-Oxley**
- » **Greenhouse Gas Emissions**

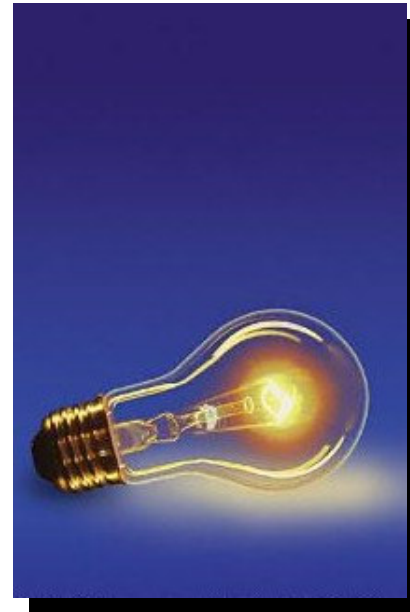


Avoiding Data Pitfalls

Pitfall #1 – Consistency

Pitfall #2 – Granularity

Pitfall #3 - Integrity



Reducing High Cost Energy with High Quality Solutions



Data Consistency

The question to ask – Is my data valid?

Condition

Solution

Accuracy

Proper Commissioning

Data Loss

Meter Trouble Reports

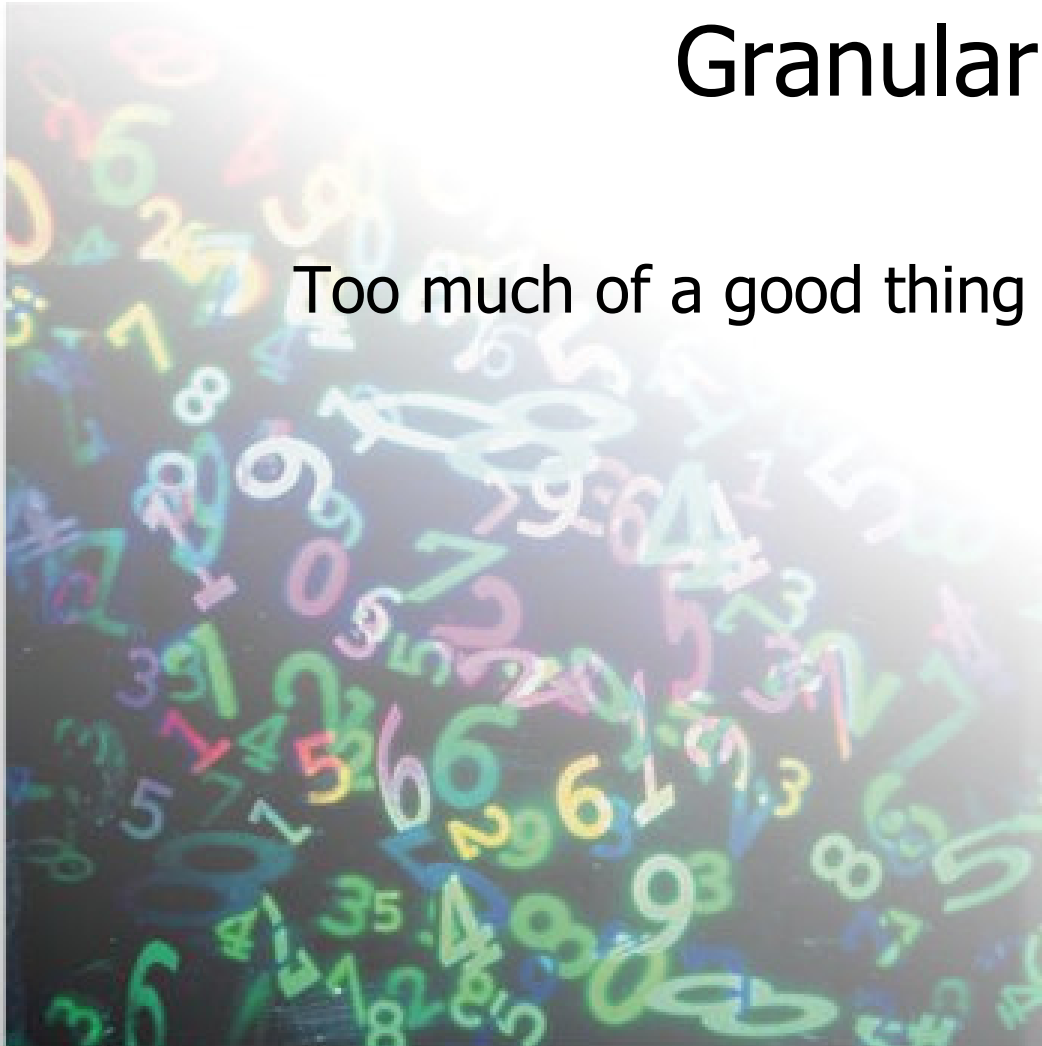
Recording Intervals

Understand Timestamps

If Not Measured, It becomes unmanageable!

Granularity

Too much of a good thing isn't always good



Granularity

5 minutes x 12 intervals = 1 hour
x 1 year

525,600 rows of data



Granularity

The question to ask???

Do you need the exact hourly cost on that particular load or would cost based on the monthly average suffice?



Reporting Integrity

A little garbage can stink!

Reporting Integrity

Is it right, or kinda close?

Reporting Integrity

Example

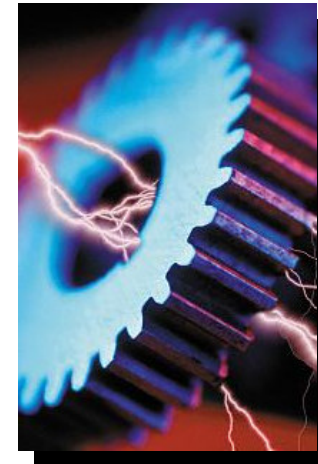
- IESO Peak Demand
 - The billing demand is defined as the higher of (a) customer coincident peak demand in the hour when the total hourly demand of all customers is highest for the month, and (b) 85% of the customer peak demand in any hour during the peak period 7AM to 7PM local time on weekdays, excluding the holidays as defined by IMO. The peak period hours will be between 7AM and 7PM during winter, and 6AM and 6PM during summer.

Reporting Integrity

You can have all your calculations right, except for one
and you have rendered your report invalid.

In Conclusion...

1. Be proactive in monitoring your energy management system.
2. Know what the information is going to be used for.
3. Always verify and test data before finalizing reports.



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