

Metering at the Transformer

The Elimination of Theft Using Inteval Metering

Ontario Energy Board September 17, 2004



Design Considerations

- End theft of power
- Incorporate interval technology at the residential level
- Does not interfere with line staff operations
- Provides customer access to meter information
- Limited disruption to customer
- Revenue approved metering



Meter Characteristics

- 1, 5, 15, 30, 60 minute intervals
- On demand, daily, weekly, monthly reading schedules
- New residential services or retrofit existing residential services
- Web access to meter data
- Measurement Canada approved for billing



Other Characteristics

- ESA/CSA Approved
- Bell Canada Approved on Communication link and service access
- Prevents theft of power
- Allows access of an unlimited number of meters per phone line



Billing

- With Interval reads, price structures and time of use applications become a function of Billing rather than a function of the meter.
- This allows for greater flexibility in the rate structures without having to reprogram meters





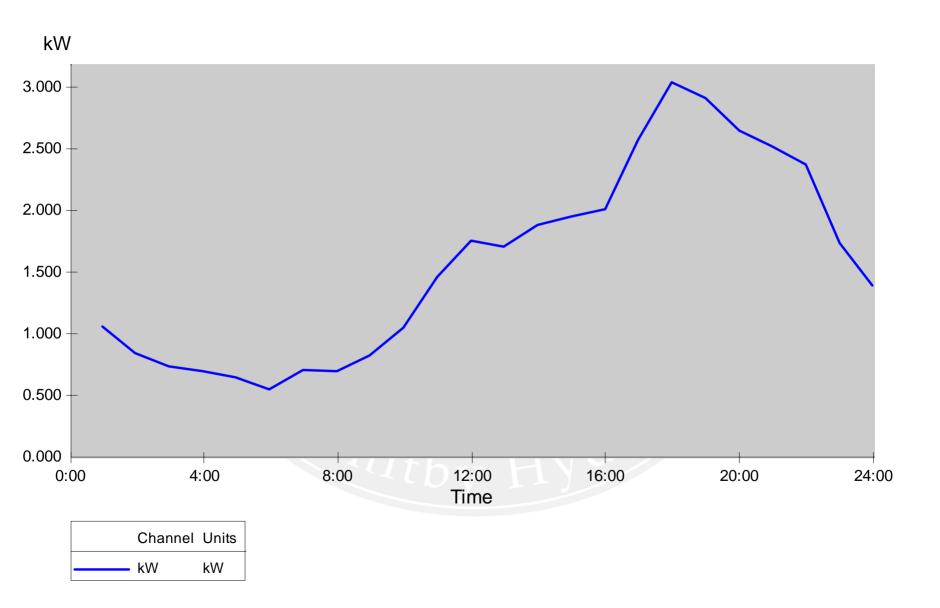






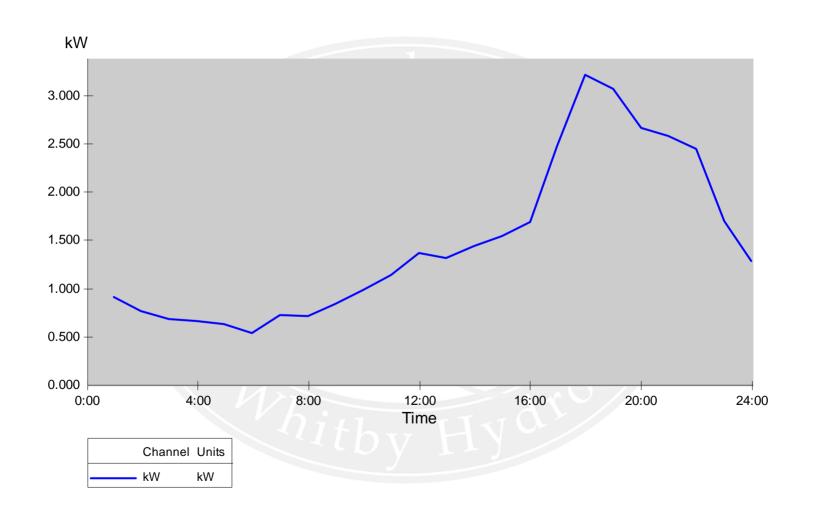


Average Residential Profile (8 Months)



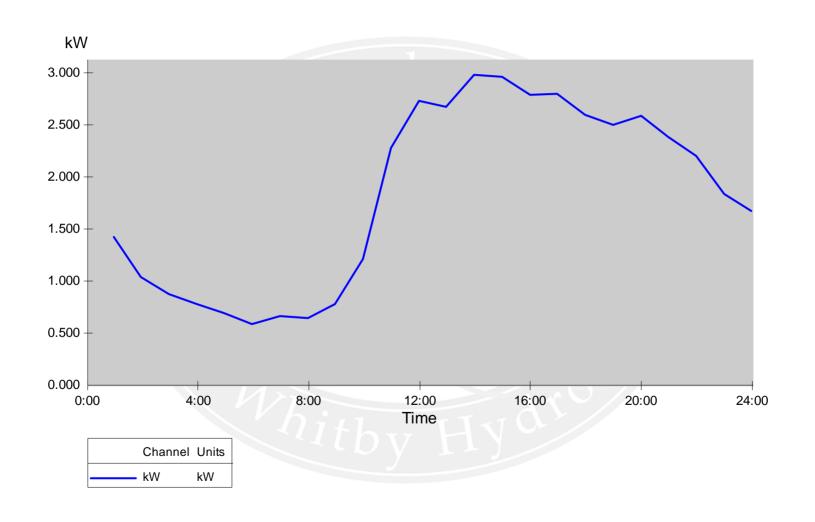


Average Weekday Profile 3

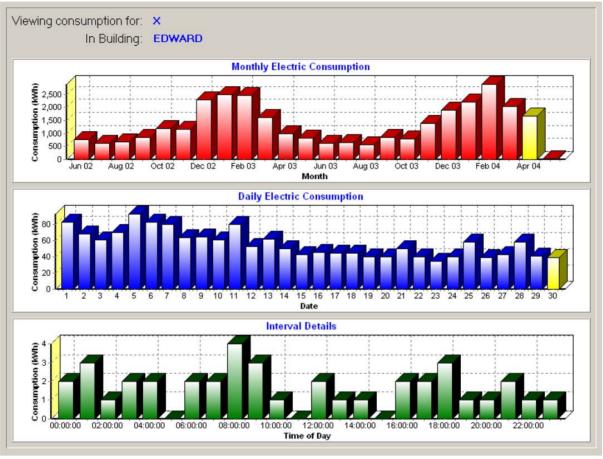




Average Weekend Profile 3









Benefits

- Theft is eliminated
- Any metering technology can be used as long as it fits
- Any communication protocol can be used
 telephone, cable, power line carrier etc.
- Removes the meter base from the house making homes more ascetically pleasing



For Further Information

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