

### AUTOMATED METERING INFRASTRUCTURE KANSAS COOPERATIVES UPDATE

HOUSE ENERGY & ENVIRONMENT COMMITTEE February 7, 2013

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## Where Are We?

- Kansas Coops Using PLC or Mesh Radio technology
- AMI/AMR -25 Coops -60% of meters.
- 2 more Coops just beginning installation.
- Several types of AMI technology.
- Power line carrier.
- Low power radio.
- Cell Phone.



# Improved meter reading info.

# Reduced Meter Reading Cost.

- Low Coop customer density makes automation very valuable.
- Eliminates need for periodic employee meter readings.

# Timely and Accurate Billing Data.

- Reduced losses from billing lag.
- Lower "Doubtful Account" write-off.
- More accurate pricing signals for summer-winter rate differentials.



# • Increased Capabilities.

#### Load Control

- More accurate control.
- Few control events.
- Verification of control.
- Expanded control base.

### Energy Efficiency

- Accurate load control improves efficiency.
- Increases number of customers willing to participate.



# Increased Customer Information

- Individual customer data will be available on Cooperative's E-bill Website.
- Daily data can be viewed with NWS temperature data.
- Data can be viewed in one-hour increments for trouble shooting.

## New Rate Structures.

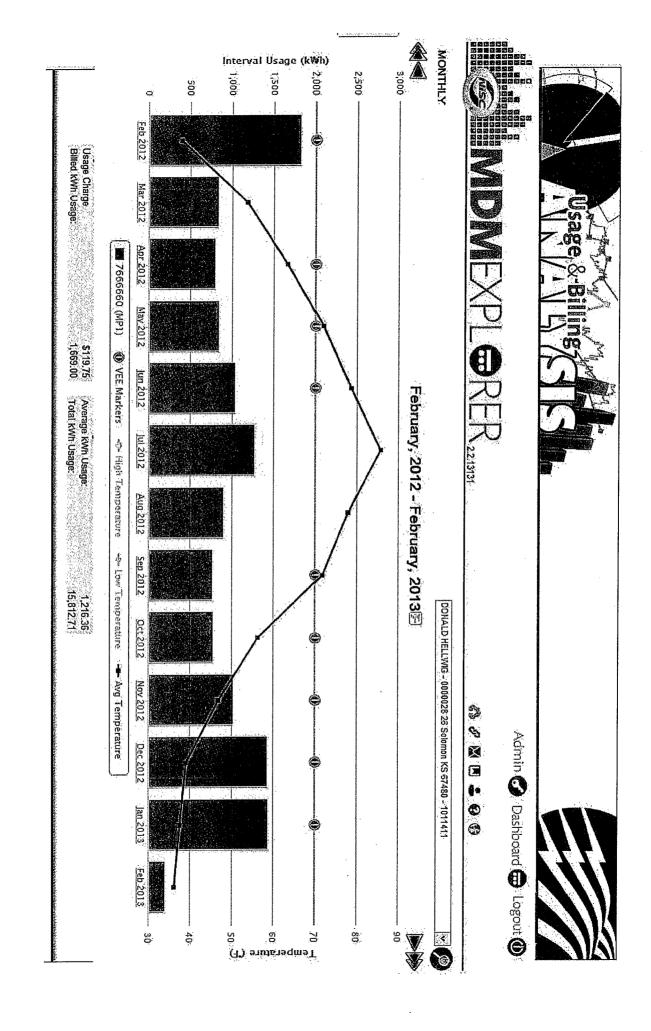
- Time-of-Use.
- Pre-pay.
  Residential demand.
- Co-incident peak

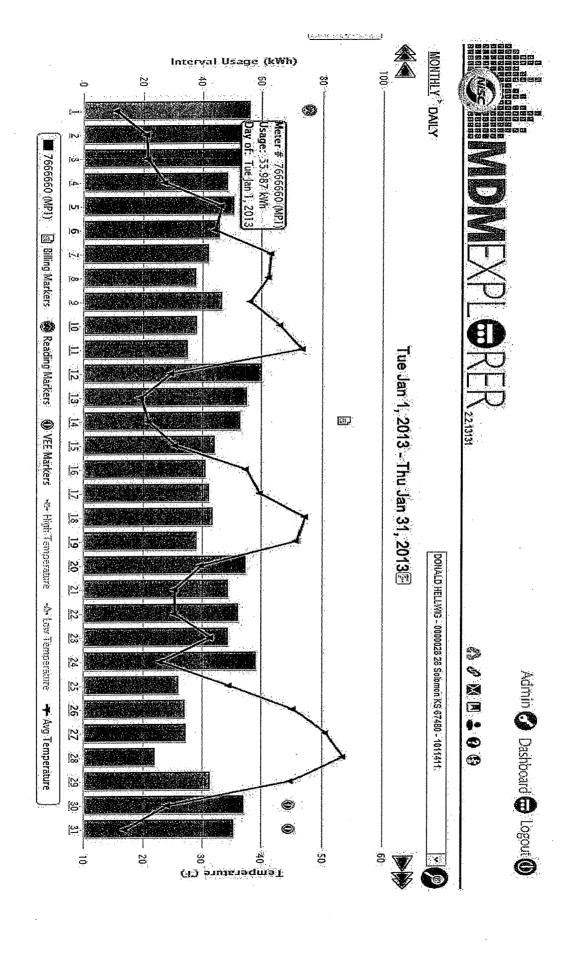


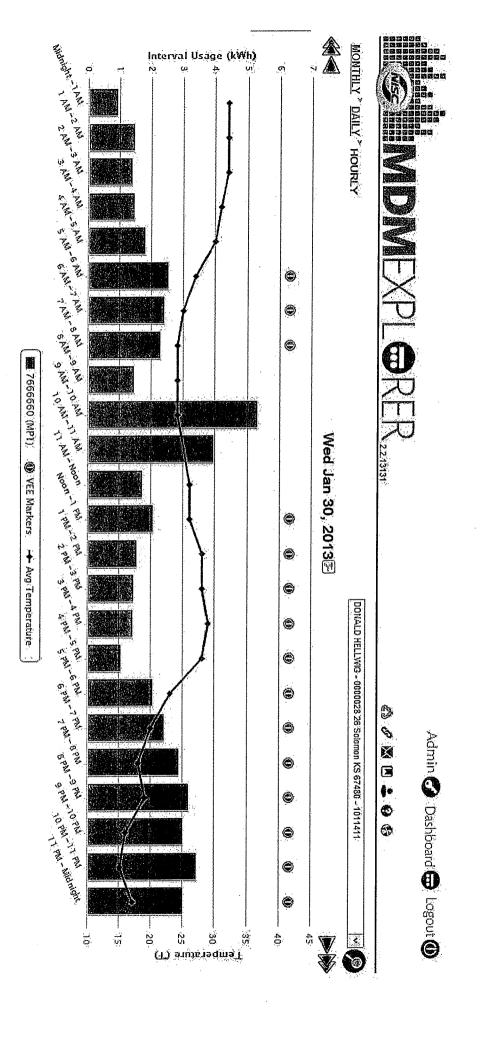
#### Example:

Pre-Pay Residential – Optional Rate.

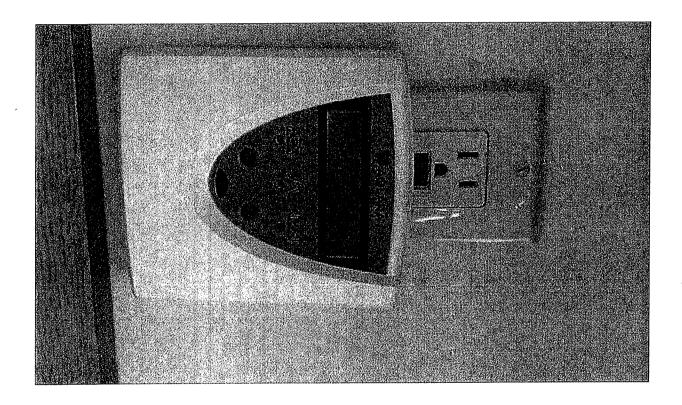
- Pay in Advance
- No minimum
- pay as often as preferred.
- No Security Deposit.
- Payments accepted by 24/7.
- Payment impact effective within 10 minutes.













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