Co-Mo Electric Cooperative, Inc.

A Touchstone Energy® Cooperative
The power of human connections®

Power by the Hour

Empowering our members to make wise energy decisions

Co-Mo Electric Cooperative, Inc.
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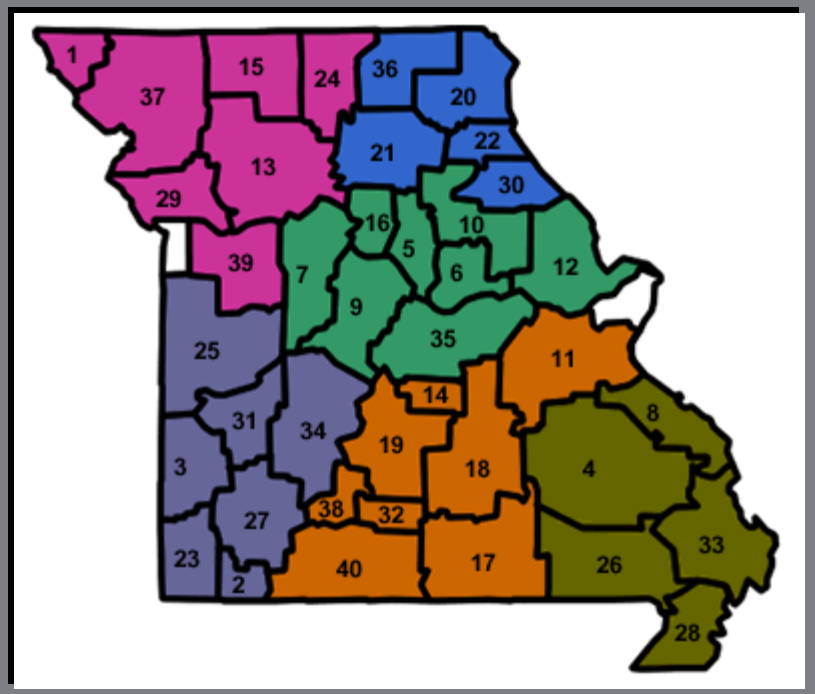
http://www.co-mo.coop

Randy Klindt, IT Manager

About Co-Mo Electric

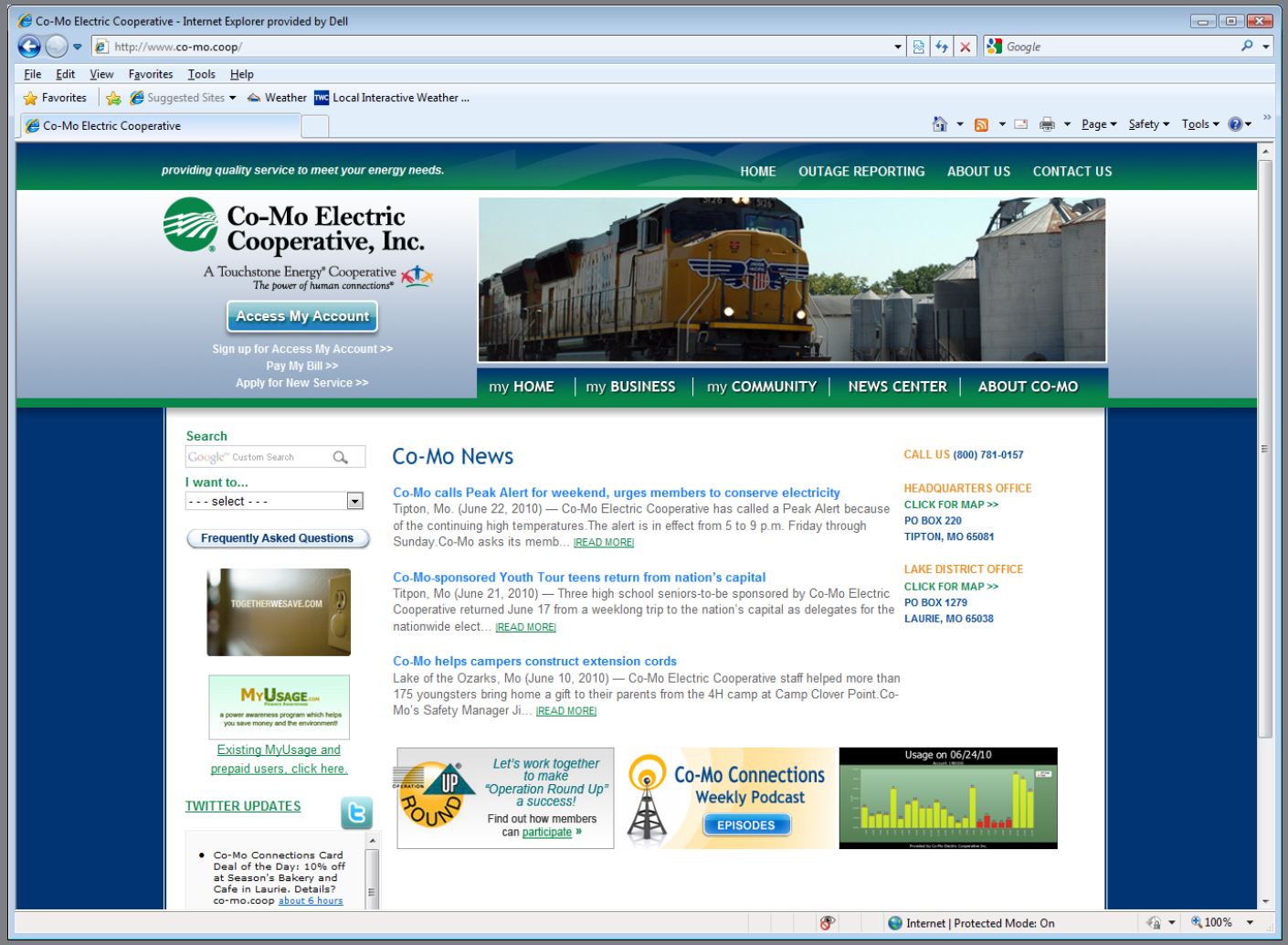
- Center of Missouri
- 4,000 miles of line
- 32,000 meters
- Both rural and LOTO
- Peak on the weekends!
- Mostly residential load
- ARRA grant applicant



AMI Deployment

- TWACS by Aclara – Powerline carrier
- Began in 2000 fully deployed 2002
- Prepaid – started in 2007, 786 enrolled
- Leveraging our investment
  - engineering
  - outage prediction
  - pinging meters from trucks
  - usage presentment
  - feeder level line loss calculations

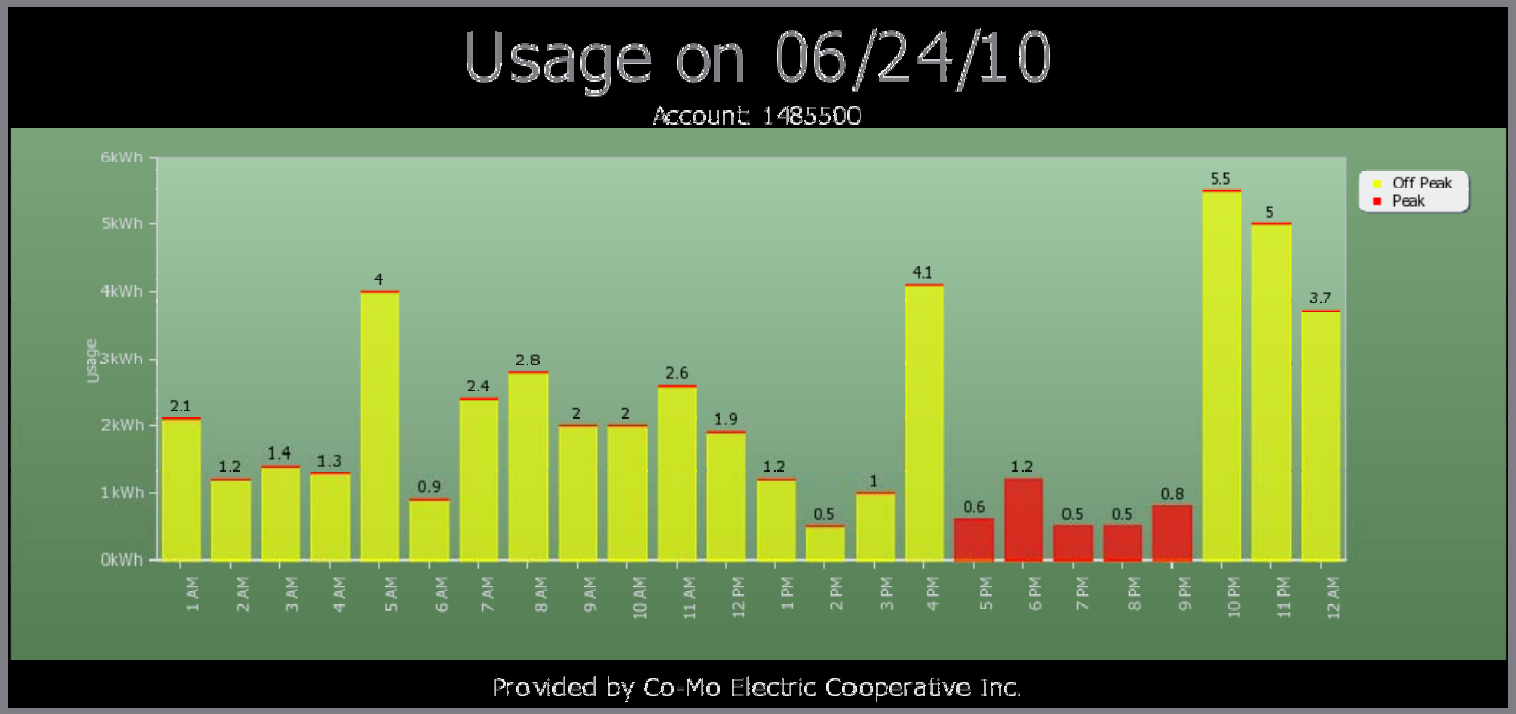
Power by the Hour



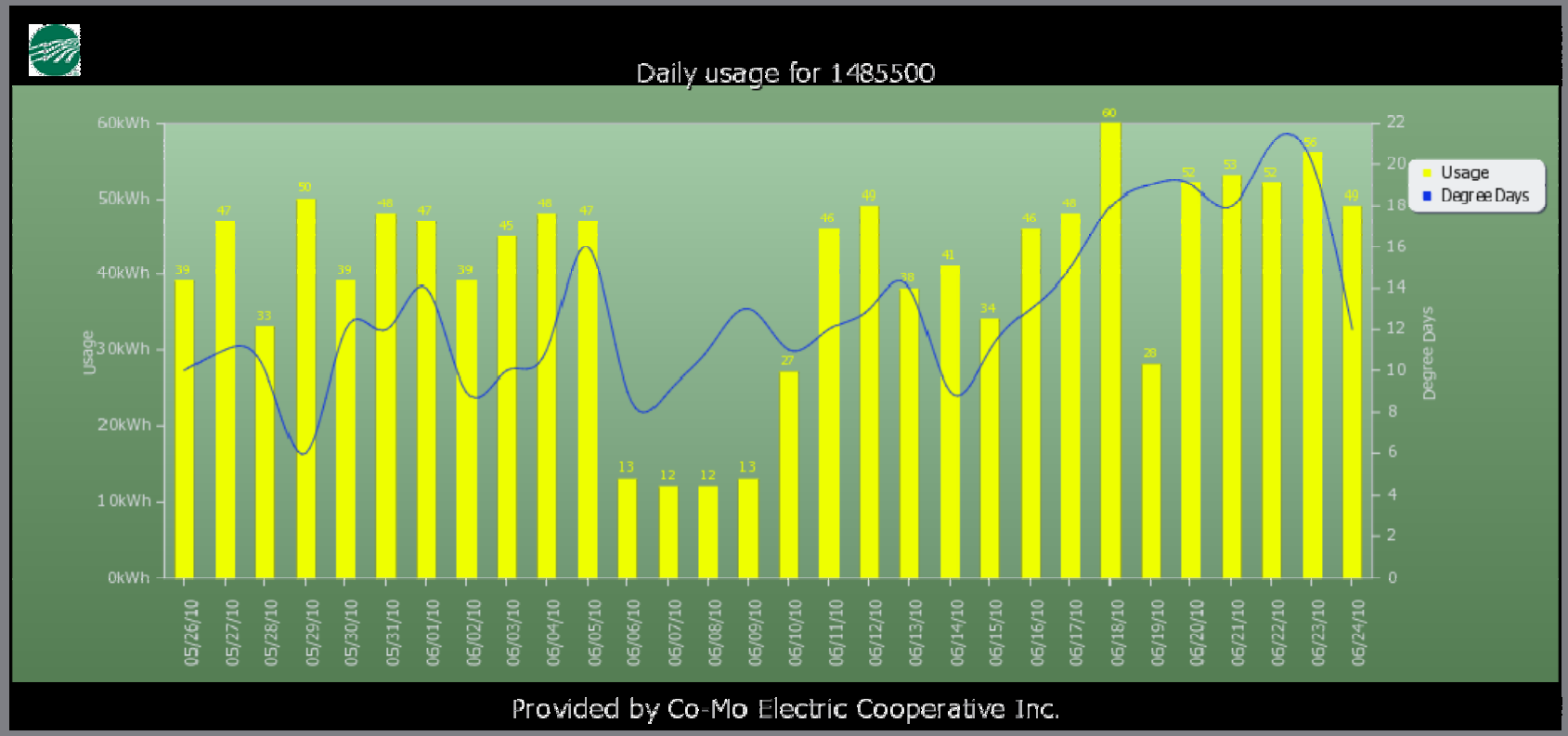
Power by the Hour

- Started in January 2010 over 400 enrolled
- Displays last 24 hours of usage
- Visible on www.co-mo.coop main page
- Last 30 days usage with degree days
- C&I have real-time query capability
- Very simple to use and see daily

Hourly usage



Daily usage


Daily usage for 1485500
60kWh
50kWh
40kWh
30kWh
20kWh
10kWh
0kWh
Usage
Degree Days
Usage
Degree Days
05/26/10
05/27/10
05/28/10
05/29/10
05/30/10
05/31/10
06/01/10
06/02/10
06/03/10
06/04/10
06/05/10
06/06/10
06/07/10
06/08/10
06/09/10
06/10/10
06/11/10
06/12/10
06/13/10
06/14/10
06/15/10
06/16/10
06/17/10
06/18/10
06/19/10
06/20/10
06/21/10
06/22/10
06/23/10
06/24/10
Provided by Co-Mo Electric Cooperative Inc.

Results

- Too new to analyze data BUT
- Prepaid has delivered daily usage since 2007
- Using 3 years of data from participants:
  - 78% of participants CUT usage after enrolling
  - The participants that cut their usage, cut it by an average of 22.7% or 391kWh per month
  - Average participant savings of $31 per month

Usage statistics

- Recurring site visits
- 30% of our web visitors came back over 100 times
- Ranked 3rd on site visits behind contacts and jobs
- PBTH announcement number one news page
- Charts are viewed an average of 100 times per day
- Half of those chose to view more detailed data
- Majority access PBTH from a dialup connection

Version 2

- High and low usage alerts
- Daily emails
- Custom time periods on charts for residential
- Read now, start and stop
- Averaged hourly load profiles
- TOU pilot program
- Full MDM capabilities
- Ready in 60 days

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