

Automated Meter Reading at Wisconsin Public Service Corporation

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MREC


March 6, 2003




Automated Meter Reading (AMR) Objectives:

- Provide benefits to all customers
- Reduce meter reading expenses
- Implement new technologies to improve system reliability
- Develop new programs to enhance customer value


AMR Benefits Today

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- Proactive discovery of outages
 - ⌘ Faster service restoration
 - Real-time consumption information
 - ⌘ Billing inquiries
 - Ability to read any time
 - ⌘ 24 x 7 access
 - Meter tampering and energy theft

Future AMR Benefits

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- Ability to work with municipals and cooperatives
 - Meter detection
 - Automated turn-on/turn-off
 - Office K-60
 - Virtual disconnects
 - Consumption monitoring
 - Power restoration
 - Load profiling
 - Direct load control
 - Internet
 - Billing enhancements

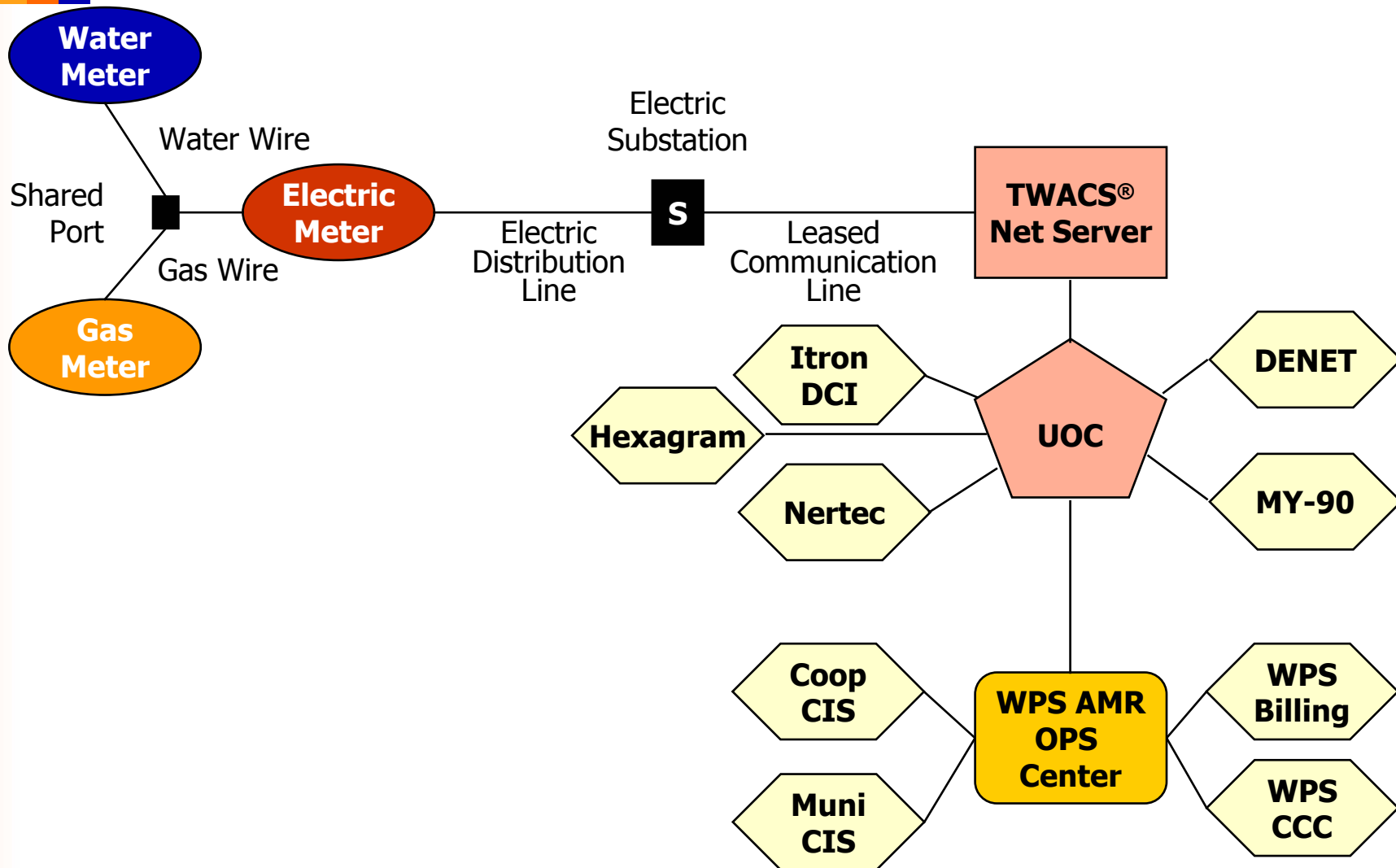
AMR and Stray Voltage

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- Power-line carrier technology
 - Independent study
 - ⌘ EPRI - PEAC
 - ⌘ UW-Madison – Biological Systems Engineering
 - ⌘ National Institute of Standards

Result: PLC did not adversely contribute to stray voltage

Public concern → alternative technology

DCSI Automated Meter Reading System



Questions?

