Meter Data Management System (MDMS)

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Meter Data Management System

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Meter Data Management System

The *WattageWorks™* Meter Data Management System (MDMS) provides a flexible, robust and scalable solution that allows market participants to transmit required meter data to their RTO.

The open architecture allows for developing utility-specific solutions that are compatible with market participant's unique business systems.

The MDMS is compliant with RTO specifications.

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Meter Data Management System

MDMS Product Benefits:

- Existing install base of market participants who chose the MDMS solution for their RTO market
- An RTO-compliant/API compatible solution
- Open architecture allows interfacing with existing SCADA systems & third party solutions
- Historical data retrieval and audit trail capabilities
- Open, robust database architecture with data warehousing and reporting capabilities to support energy accounting & other business specific needs

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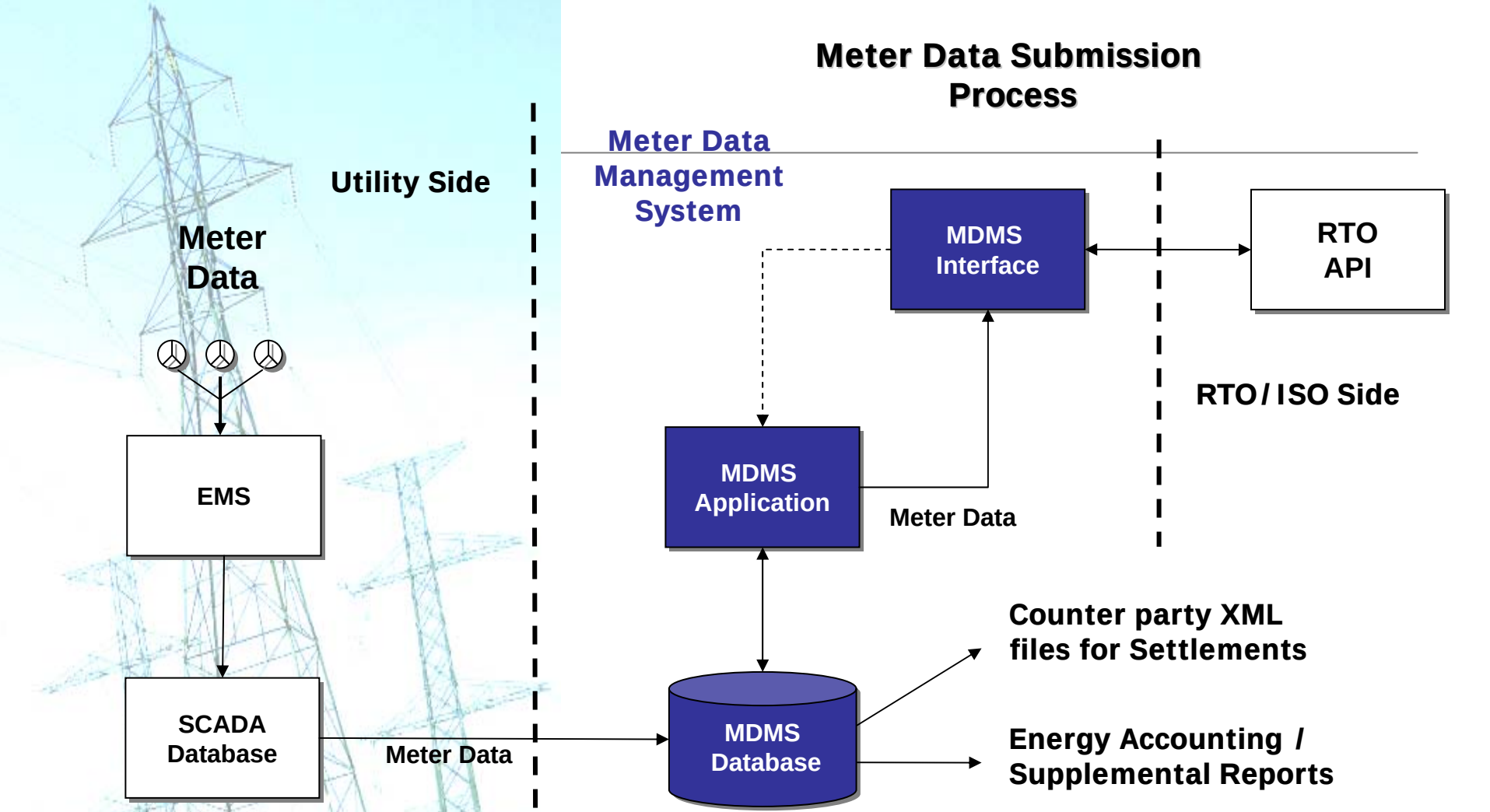
Meter Data Management Process



The MDMS interface which receives meter data from the client's SCADA system is architected such that ANY third party SCADA system can be configured to interface.

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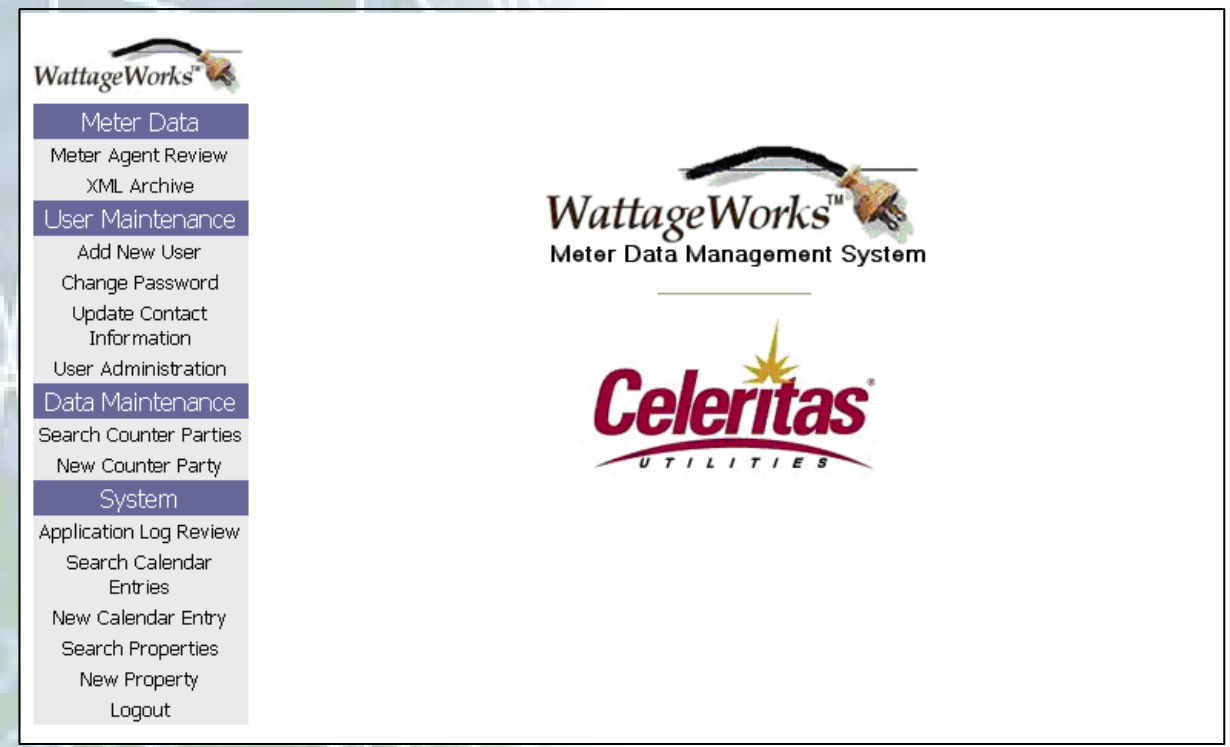
Usability and Functionality



WattageWorks™ MDMS provides a simple interface and the functionality needed to allow end users & meter agents to easily review, approve and maintain their meter data removing typical reliance on technical support.

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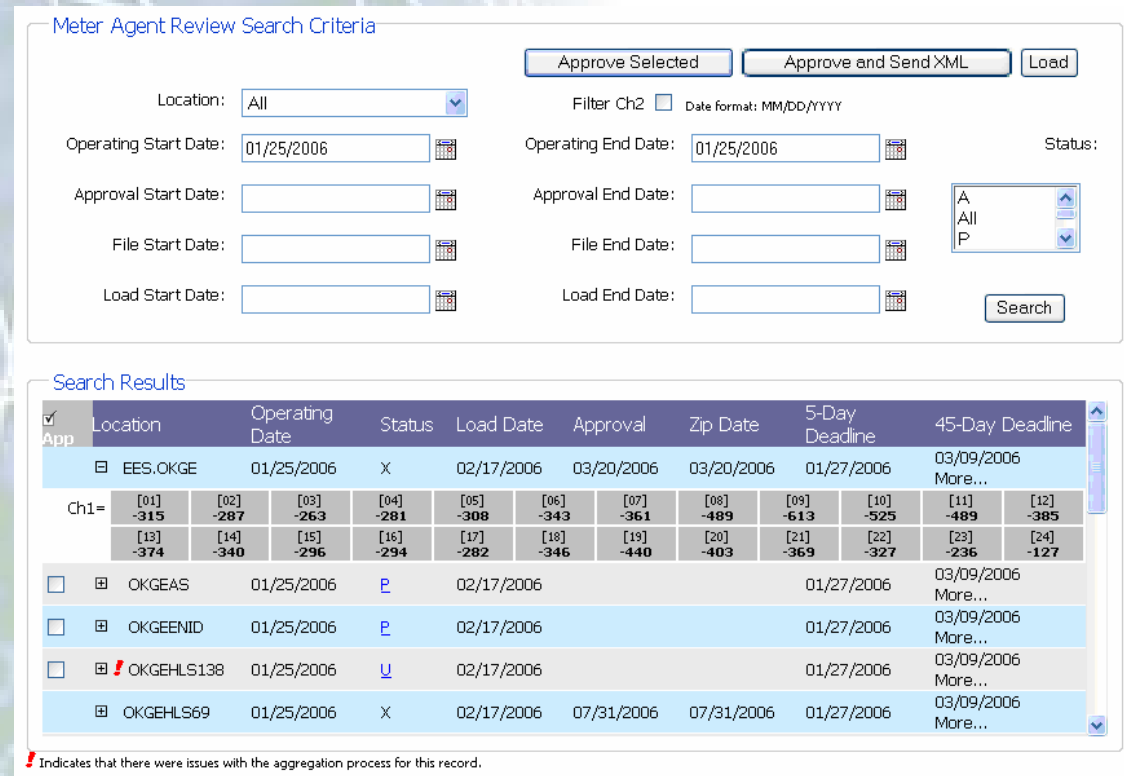
Meter Data Management System

Meter Data Approval and Submittal



The easy-to-read Meter Agent Review Screen is used to review & approve meter data and convert & transmit XML files to the market participant's RTO or ISO

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Meter Data Management System

Meter Point Data Analysis

Meter Point Recordings Search Criteria

Operating Begin Date: 01/24/2006 — Operating End Date: 01/26/2006

Aggregation Begin Date: — Aggregation End Date:

Load Begin Date: — Load End Date:

Meter Point Name: — Display Name:

Settlement Location: All, Acme.ABCD, RDF.ABCD, ART_BCDF

Meter Point Type: All, Gen, Load, Tie

Error Flags: None, All, R - Repeating Interval, O - Out of Bounds

Data Source: All — Include Inactive: ☐

Search | Export

Search Results

Operating Date / Settlement Location / Meter Point Display Name / Meter Point Name	Backup Used	Status	Data Source	Type	Primary	Channel	Interval 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DST
01/24/2006																														
Acme.ABCD																														
RSTV-1231- 1st Teir - Ft. Smith																														
05095001	N	A	SCADA	Tie	Y	1	-429	-398	-387	-400	-355	-353	-398	-472	-509	-552	-575	-566	-514	-437	-420	-400	-360	-535	-603	-568	-519	-469	-512	-402	
05095002	N	A	SCADA	Tie	Y	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RTF_BRFG																														
American-12 - 58688309L																														
06041001	Y	A	SCADA	Gen	N	1	-322	-322	-320	-320	-319	-319	-320	-318	-317	-318	-317	-319	-318	-318	-318	-316	-316	-316	-319	-319	-319	-319	-319	-320	
PrivOne																														
Enid																														
05065001	Y	A	SCADA	Gen	Y	1	0 R	0	0 O	0 C	0 D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

The Meter Point Recording Review Screen allows the user to view information for each meter point which can be validated against user defined parameters – such as interval repeat count, out of bounds, and rate of change.

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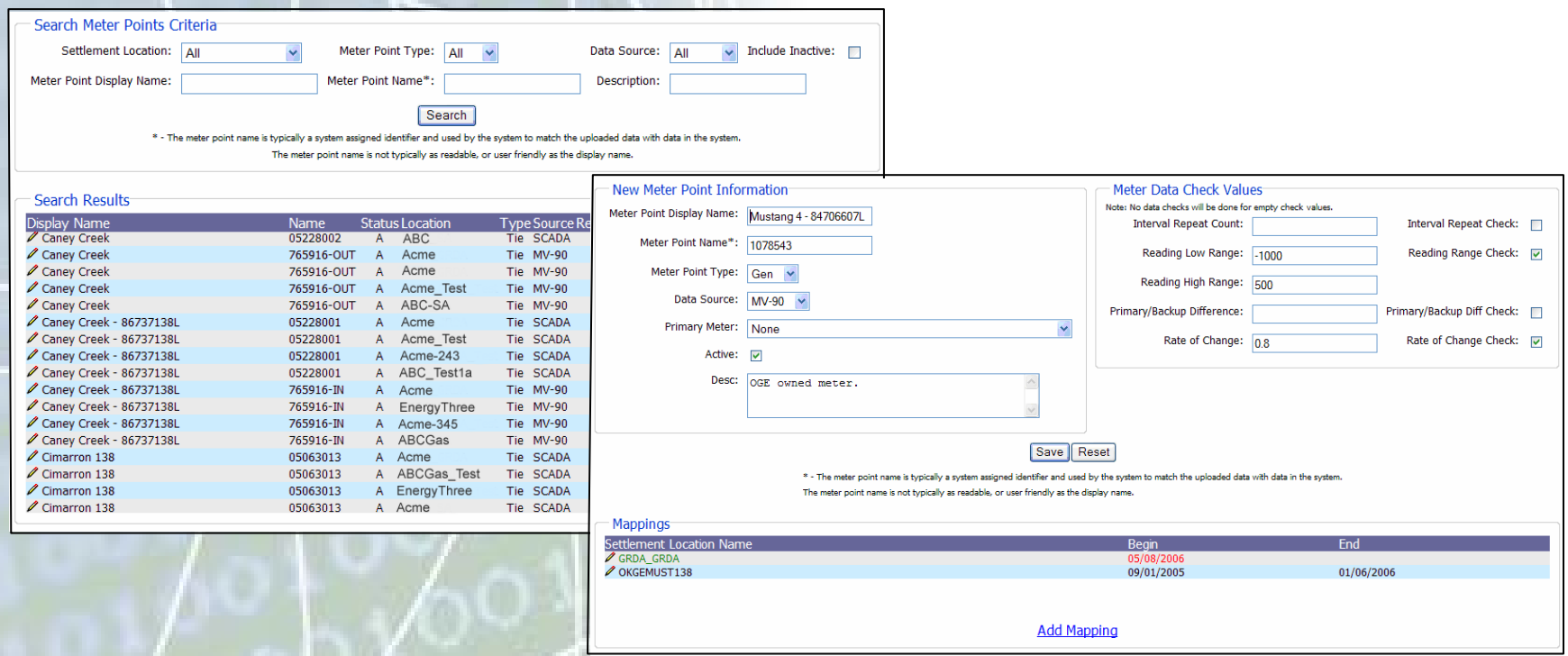
Meter Data Management System

Meter Point Maintenance



The Meter Point data is configurable allowing for on-going maintenance of the data as your assets change in the field.

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Meter Data Management System

Settlement Location Maintenance

Search Settlement Locations Criteria

Settlement Location Name:

Include Inactive:

Settlement Area: All

Search

Search Results

Settlement Location	Settlement Area	Status	Multiplier	Zeros For Channel 2
Acme-Acme	KCES-1	A	1	N
Acme		A	1	Y
ABC-ABCD	AR-CTKC	A	1	N
TrendStar	KCES-1	A	1	N
Acme	KCES-1	A	1	N
ABC-Energy		A	1	N
TrendStar	KCES-1	A	-1	N
TrendStar	AR-CTKC	A	1	N
ABC-Energy	KCES-1	A	1	N
Acme		A	1	N
Acme-Acme	KCES-1	A	1	N
Acme	KCES-1	A	1	N
1Energy-44	TRA-EL1	A	1	N
1Energy-44		A	1	N
Acme		A	1	N
Acme	KCES-1	A	1	N
Acme	KCES-1	A	1	N
StarOne	TRA-EL1	A	-1	N
StarOne		A	1	Y

New Settlement Location Information

Settlement Location Name*: ACME-ACME

Description: Auto created by DATA_LOAD pl/sql.

Negative Multiplier:

Generate Zeros for Channel 2:

Active:

Settlement Area Information

Settlement Area: None

Save Reset

Individual meters can be moved in and out of specified Settlement Locations as assets are reallocated.

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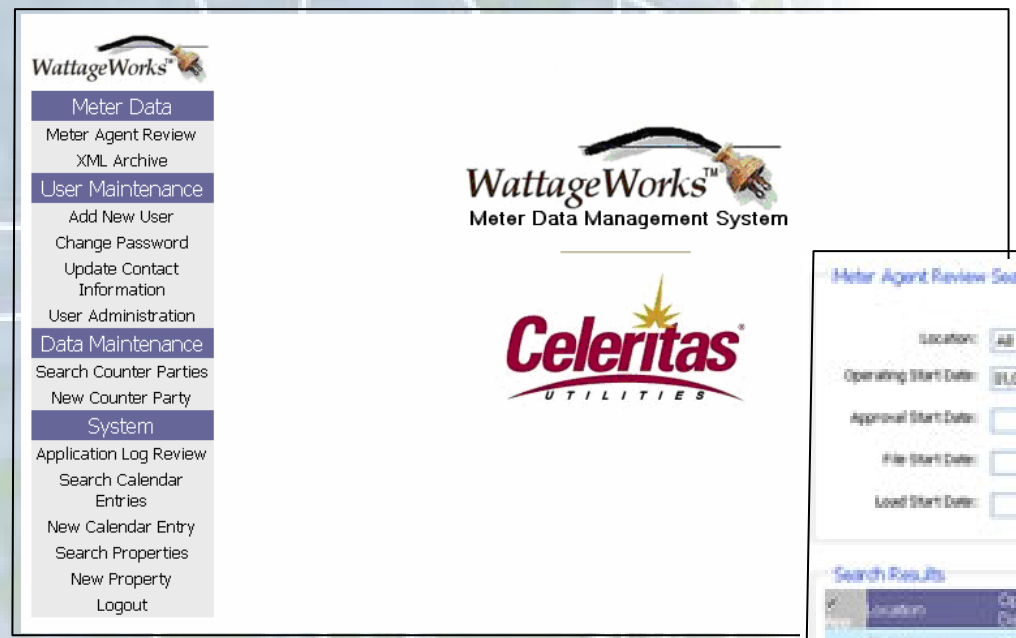
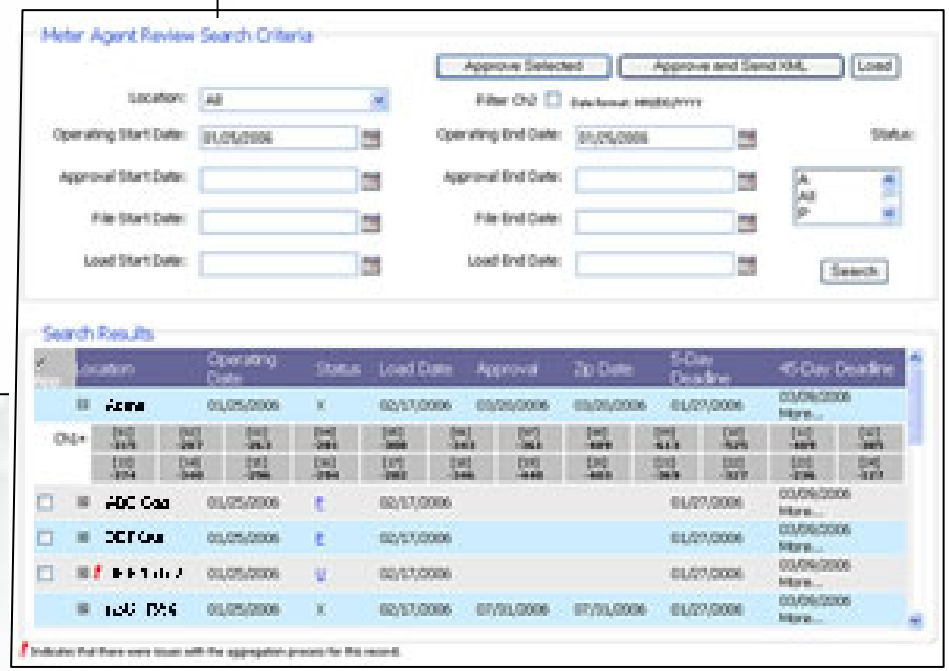
Meter Data Management System

For more information about the WattageWorks™ Meter Data Management System visit our website at www.wattageworks.com, email us at sales@celeritas.com or call our Utility sales team at 1-888-383-8324.





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