

MADRI Creates Advanced Metering Infrastructure Toolbox

NARUC Staff Committee on Electricity
NARUC Staff Sub-Committee on Electric Reliability
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Introduction

Regulatory Assistance Project

RAP is a non-profit organization, formed in 1992, that provides workshops and education assistance to state government officials on electric utility regulation. RAP is funded by the Energy Foundation and the US DOE.

Richard Sedano was Commissioner of the Vermont Department of Public Service, 1991-2001, member of the Secretary of Energy's Task Force on Reliability, 1998-99, and presently serves on the Montpelier Planning Commission.



About MADRI

- Mid-Atlantic Distributed Resource Initiative
 - ❖ Stakeholder process focused on increasing deployment of distributed resources in DC, DE, MD, NJ, PA
- Focus areas
 - ❖ Advanced Metering Infrastructure
 - ❖ Business Models
 - ❖ Regulation
 - ❖ Environment
 - ❖ Interconnection



Advanced Metering Infrastructure

- Key enabler for many distributed energy resources and dynamic pricing

“You can’t have smart rates with dumb meters”

- Improves distribution company operations

Not just drive-by meter reading!

- Improves customer service and satisfaction
- Addresses fragmented benefit/value chain
 - ❖ Especially in retail competition markets



MADRI and AMI

- Regional effort to quickly learn from cutting edge efforts to deploy AMI in North Amer.
 - ❖ Survey status of AMI deployment
 - ❖ Encourage PUCs to take a fresh look at AMI
- Workshop May 2005 gathering US and Canadian experts
- Toolbox of the best resources on AMI

MADRI ADVANCED METERING INFRASTRUCTURE (AMI) "TOOLBOX"

A compilation of reports, studies, and other web resources related to advanced metering infrastructure options

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[AMI Background Information](#)

[AMI / Vision Strategy Papers](#)

[AMI Business Cases](#)

[Ontario Energy AMI Plan](#)

[Pricing Policy & Pilots](#)

[Competitive Metering Studies](#)

[AMI Standards](#)

[MADRI Metering Survey](#)

[AMI Organizations & Companies](#)

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The [Mid-Atlantic Distributed Resources Initiative \(MADRI\)](#) Toolbox was developed to provide Mid-Atlantic PUCs with additional resources for learning more about advanced metering infrastructure (AMI). The "toolbox" was identified as a key action item following the MADRI AMI Workshop held on May 4, 2005.

The AMI Toolbox represents a compilation of reports and studies as well as other web based resources that have been accumulated by MADRI support staff as they have evaluated AMI strategy options. The "toolbox" is not intended to provide a definitive library and should be viewed as a work-in-progress with the expectation that additional resources will be added as the MADRI states begin their evaluations of AMI opportunities. All of the documents contained in the "toolbox" are public documents and users should feel free to distribute them or quote from them.

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Ontario Energy AMI Plan

This section contains information relating to the plan the Ontario Energy Board in Canada announced in January of 2005 for deploying 800,000 smart electricity meters by December 31, 2007.

Source of Information	Abbreviated Title	Date	Link
Navigant Consulting	Blueprint for Demand Response in Ontario	Apr 03	PDF 1.7 MB
Ontario Energy Board	Press Release -- AMI Implementation Plan	Jan 05	PDF 36 KB
Ontario Energy Board	Summary -- Ontario Smart Meter Implementation Plan	Jan 05	PDF 34 KB
Ontario Energy Board	Smart Meter Implementation Plan	Jan 05	PDF 3.7 MB



Toolbox: Value to All States

- MADRI AMI Toolbox created for the five MADRI jurisdictions
 - ❖ Valuable to any state considering advanced metering deployment
 - ❖ Particularly useful to address provisions of Section 1252 of the 2005 Energy Bill and will be maintained for this purpose
- www.energetics.com/madri



Thanks for your attention

- ❖ rapsedano@aol.com
- ❖ <http://www.raponline.org>
- ❖ RAP Mission: *RAP is committed to fostering regulatory policies for the electric industry that encourage economic efficiency, protect environmental quality, assure system reliability, and allocate system benefits fairly to all customers.*