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# Subscriber Group Meeting

August 2015

# Introductions

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- Investor Owned Utilities
- Municipal Utilities
- Cooperative Utilities
- Regulators
- Marketers, Generators, Aggregators, & Others

# Introductions

New M-RETS Staff



Dan  
King

Tanya  
Gajewska

Emily  
Strong


# Board Update – (Kari Clark, IOU)


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- Welcome
- Questions at the end of Board report



# Meeting materials and minutes





Home About M-RETS® Resources Events M-RETS® News Training

Upcoming Events  
Board Meetings  
Subscriber Group Meetings

## Board Meetings

- July 21-22, 2015 – Board Meeting
- April 13, 2015 – Board Meeting
- February 05, 2015 – Board Meeting
- December 08, 2014 – Board Meeting
- November 17, 2014 – Board Meeting
- October 08, 2014 – Board Meeting
- September 08, 2014 – Board Meeting
- August 11, 2014 – Board Meeting
- June 27, 2014 – Board Meeting
- May 12, 2014 – Board Meeting
- April 04, 2014 – Board Meeting
- March 10, 2014 – Board Meeting
- February 10, 2014 – Board Meeting
- January 13, 2014 – Board Meeting
- November 18, 2013 – Board Meeting
- October 22, 2013 – Board Meeting
- September 9, 2013 – Board Meeting

Registry Login

Username

Password

Sign in Register

Forgot password?

## News

- M-RETS Subscriber Group Meeting – August 18, 2015
- M-RETS Subscriber Group Meeting – October 12 & 13, 2015
- M-RETS seeks Executive Director
- M-RETS 14.0 Overview
- July 21-22, 2015 – Board Meeting

# Feb / April Meetings

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- February
  - Proposal to streamline variance requests and QRE applications
- April
  - Streamlining for variance requests and QRE applications approved
  - Year-end financials approved
  - Welcome to Emily Strong as new Project Coordinator

# July / August Meeting

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- July
  - SOC II audit underway
  - Review of financials
  - Governance workshop
  - Approval of a new Regulator Group
- August
  - 2016 budget fee scenario review
  - Amy Jordan approved as new board member
  - Financial Audit Report presentation and approval

# Feedback

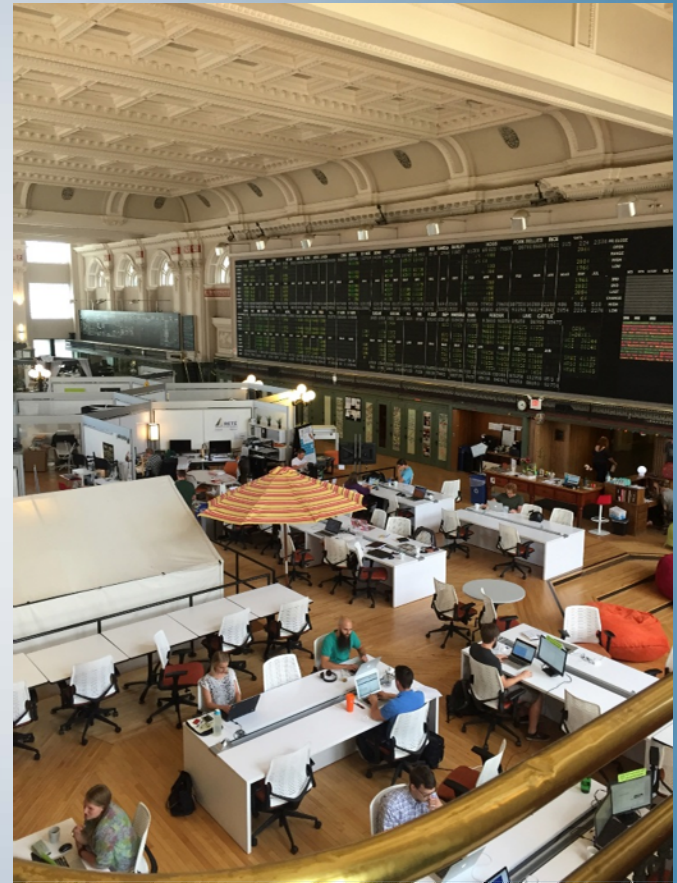
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- Questions over what we covered?
- Is this type of info you need?
- Other ways board can help M-RETS get what you need?
- Any other thoughts?



# Operational Report

- Staffing
  - E.D. Search Ongoing
  - New staff members
- We've Moved
- APX contract extended



# Clean Power Plan, First Impressions

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M-RETS Luncheon at  
NARUC



**Kevin Porter**  
Exeter Associates

# Fact Sheets

The screenshot displays the M-RETS website interface. At the top, a navigation bar includes links for Home, About M-RETS®, Resources, Events, M-RETS® News, and Training. The Resources dropdown menu is open, showing options like Documents, Registration, Implemented Change Requests, Statutes, Useful Links, Frequently Asked Questions, Public Reports, REC Imports & Exports, and Board of Director's Workspace. The Documents sub-menu is also open, highlighting Registry Documents, Governance Documents, and Publications. On the left, the Publications section lists the 2014 Annual Report and two fact sheets. On the right, there is a sign-in/register area and a news section with recent meeting announcements.

Home About M-RETS® Resources Events M-RETS® News Training

**Publications**

- 2014 Annual Report
- M-RETS Fact Sheet – FAQs
- M-RETS Fact Sheet – How M-RETS Power Plan

Documents  
Registry Documents  
Governance Documents  
Publications

Registration  
Implemented Change Requests  
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**News**

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# Fact Sheet — How M-RETS Can Support State Compliance with the Clean Power Plan



## How M-RETS Can Support State Compliance with the Clean Power Plan

M-RETS is a dynamic tracking and verification software platform that serves stakeholders in the power sector. Currently, the services provided by M-RETS facilitate the renewable energy credit (REC) marketplace both for voluntary purposes and for compliance with state renewable portfolio standards (RPS's). Just as state RPS's are variable, preferences for satisfying Clean Power Plan (CPP) emissions goals will vary among the states. Whatever pathways states choose to achieve their CPP goals, M-RETS will work with stakeholders to provide the information needed to demonstrate compliance to the EPA.

*Being a policy-neutral non-profit, M-RETS is agnostic regarding the policy pathways adopted by the states it serves, and does not advocate for any particular CPP compliance approach.*

This fact sheet provides an overview of CPP compliance options, the types of performance tracking these options entail, and initial thoughts on how M-RETS can be structured to meet the requirements of these options.

### Options for CPP compliance

Under the CPP, states have two fundamental choices for compliance:

- A mass-based approach in which affected electric generating units (EGUs) must meet a total emissions (mass) goal; or
- A rate-based approach in which affected EGUs must meet a lbs./MWh emissions rate.

Each approach may be adopted with variations:

- such as whether to pursue compliance in a single- or multi-state plan;
- whether to place the responsibility on utilities or individual EGUs;
- whether to include other strategies in a portfolio of actions; or
- whether to support trading of instruments for compliance.

### How can M-RETS help states track compliance?

M-RETS can provide the capabilities necessary to support any of the pathways states may choose. The goal for M-RETS is to provide a one-stop shop for states' CPP tracking needs:



**RECs tracking:** M-RETS already issues renewable energy certificates (RECs) based on measured and verified generation, and tracks RECs as they are traded both within and outside the region.



**EECs tracking:** If energy efficiency is part of a compliance plan, M-RETS could also issue energy efficiency certificates (EECs), like some states in the NEPOOL-GIS. States would need the EPA to approve their plans for measurement and verification of energy savings.



**EGU Generation & Emissions:** M-RETS can be adapted to track measured electricity generation and emissions from affected EGUs, as in in PJM-GATS and NEPOOL GIS.



**EGU Emission Allowances:** M-RETS can also serve as a registry for state-issued emissions allowances if states choose to adopt a cap-and-trade system.





If the EPA chooses to rely upon a different tradable instrument in place of RECs, EECs, or allowances, M-RETS could work with stakeholders to accommodate that as well, once the specifications are known. M-RETS can track the ownership and ultimate use of any of tradable instruments, whether for CPP compliance or for other policy or market-based purposes.

### What are some examples of state policy pathways, and how can M-RETS provide support to enable each approach?

The following table shows which M-RETS tracking services would likely be utilized under either mass-based or rate-based pathways. The first two columns indicate the basic nature of each pathway—what type of entity is held accountable and how its performance is tracked. The third column summarizes how M-RETS could support the approach.



In all options, both rate- and mass-based, EGUs already report their emissions to an EPA database of SO<sub>2</sub>, NO<sub>x</sub> and CO<sub>2</sub> emissions. These EGUs could report their emissions to both EPA and M-RETS; or M-RETS could obtain the emissions data from the EPA database, as is currently done in PJM-GATS. M-RETS' function would complement the EPA's role by providing a platform for emissions rates to be adjusted by mitigation measures (such as energy efficiency programs) and for emissions or emission rates to be tallied at the state level.

Compliance Approaches		
State Policy Choice	Accountable Entities, Accountability Metric	How M-RETS Could Support
<b>MASS-BASED:</b> Utility- or Plant-level emissions budget, possibly with trading	<ul style="list-style-type: none"> <li>• Utilities or affected EGUs</li> <li>• CO<sub>2</sub> emissions (tons)</li> </ul>	 <ul style="list-style-type: none"> <li>• Tracking CO<sub>2</sub> emissions and allowances, including trading activity</li> <li>• Issuing RECs and EECs if they will be transferred to claimants out of state*</li> </ul>
<b>RATE-BASED:</b> Utility- or Plant-level emissions rates, possibly with trading	<ul style="list-style-type: none"> <li>• Utilities or affected EGUs</li> <li>• CO<sub>2</sub> emissions rate (lbs/MWh)</li> </ul>	 <ul style="list-style-type: none"> <li>• Tracking all EGU generation (or affected EGUs only) and emissions to establish emission rates</li> <li>• Issuing RECs and EECs available for trading</li> <li>• Issuing and tracking a compliance instrument different from RECs and EECs, if required by the EPA</li> </ul>

\*It is uncertain whether the sale of RECs and EECs out of state would require an adjustment to a state's mass emissions, but perhaps the EPA will clarify this matter in its final rule. Note that M-RETS already issues RECs and facilitates REC trading.



Midwest Renewable Energy Tracking System, Inc.  
 1885 University Avenue West, Suite 315  
 Saint Paul, MN 55104-3462  
 651-789-3337  
 mrets.org

Compliance Approaches		
State Policy Choice	Accountable Entitites, Accountability Metric	How M-RETS Could Support
<p><b>MASS-BASED:</b></p> <p>Utility- or Plant-level emissions budget, possibly with trading</p>	<ul style="list-style-type: none"> <li>• Utilities or affected EGUs</li> <li>• CO2 emissions (tons)</li> </ul>	 <ul style="list-style-type: none"> <li>• Tracking CO2 emissions and allowances, including trading activity</li> <li>• Issuing RECs and EECs if they will be transferred to claimants out of state*</li> </ul>
<p><b>RATE-BASED:</b></p> <p>Utility- or Plant-level emissions rates, possibly with trading</p>	<ul style="list-style-type: none"> <li>• Utilities or affected EGUs</li> <li>• CO2 emissions rate (lbs/MWh)</li> </ul>	 <ul style="list-style-type: none"> <li>• Tracking all EGU generation (or affected EGUs only) and emissions to establish emission rates</li> <li>• Issuing RECs and EECs available for trading</li> <li>• Issuing and tracking a compliance instrument different from RECs and EECs, if required by the EPA</li> </ul>
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# Some of the Changes from Draft Rule

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- Source-specific CO<sub>2</sub> performance rates for steam and NGCC used as basis for state goals
- Removal of energy efficiency as a “building block”, but can still be used in state measures
- Longer timelines and a Glide Path
- Trading-ready mechanisms

More to come at October In-person Meeting . . .

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# Roundtable Discussion

Clean Power Plan – Final Rule

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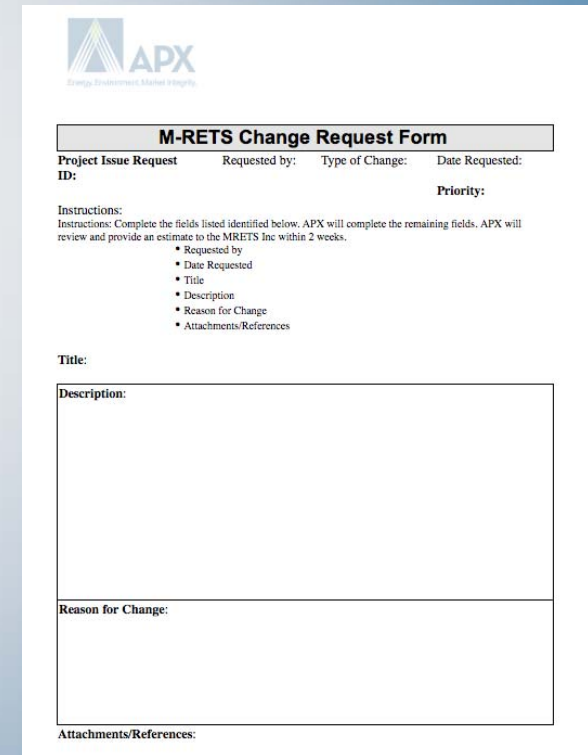
# Enhancement Committee Update



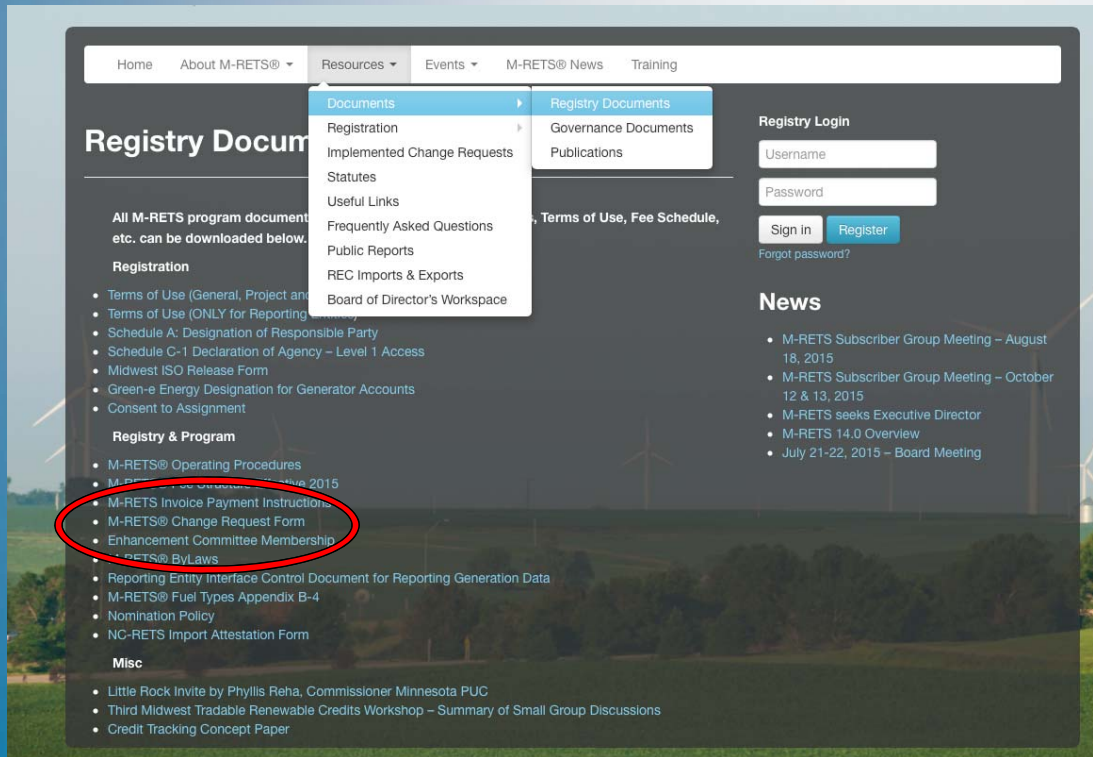
# Change Requests

## Implemented in 14.0

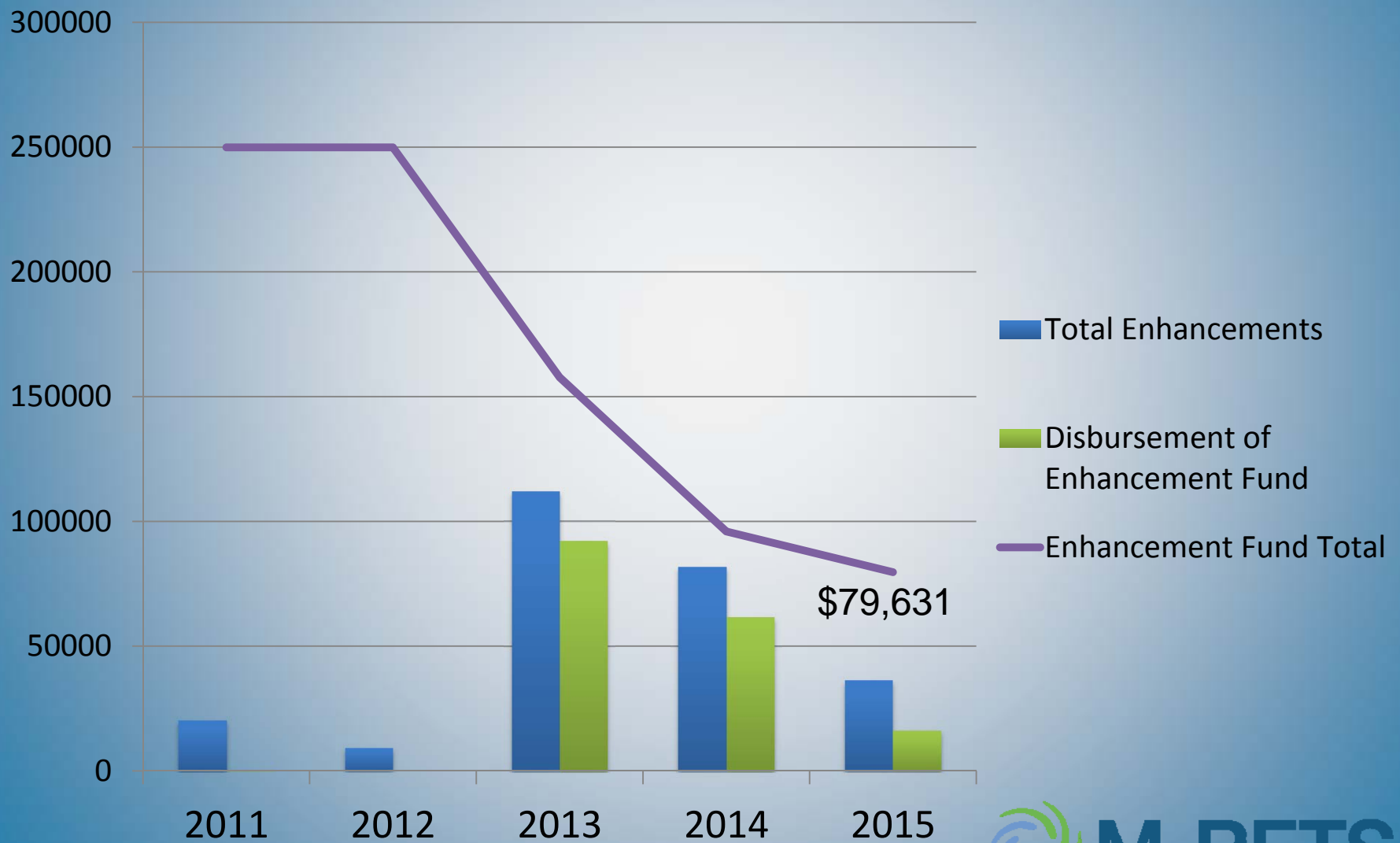
CR#	Change Request Name
0050	Administrative report functions for M-RETS, Inc.
0064	MIRECS/NAR/NC-RETS to – M-RETS Imports
0065	Public Reports-RPS Status
0074	Project Record



The screenshot shows the M-RETS Change Request Form. At the top left is the APX logo (Energy, Environment, Market Integrity). The form title is "M-RETS Change Request Form". Below the title are fields for "Project Issue Request ID:", "Requested by:", "Type of Change:", and "Date Requested:". There is also a "Priority:" field. A section titled "Instructions:" states: "Complete the fields listed identified below. APX will complete the remaining fields. APX will review and provide an estimate to the MRETS Inc within 2 weeks." Below this are bullet points: "Requested by", "Date Requested", "Title", "Description", "Reason for Change", and "Attachments/References". There is a "Title:" field followed by a large "Description:" text area. Below that is a "Reason for Change:" text area. At the bottom is an "Attachments/References:" field.



# Enhancement Fund



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# October In-person Subscriber Group Meeting

- Oct. 13 in Minneapolis, MN - more on logistics to come soon
- Kevin Porter will present
- Other topics of interest?

# 14.0 Release Post-Session

The screenshot displays the M-RETS website interface. At the top, a navigation bar includes links for Home, About M-RETS®, Resources, Events, M-RETS® News, and Training. The 'Training' link is circled in red. Below the navigation bar, the page is titled 'Training'. On the right side, there is a 'Registry Login' section with input fields for 'Username' and 'Password', and buttons for 'Sign in' and 'Register'. Below the login section is a 'News' section with a list of recent news items. On the left side, there are three main sections: 'Registration', 'REC Management', and 'Compliance', each with a list of links. The 'Release Demos' section is circled in red and contains the following links:

- M-RETS 14.0 Overview
- M-RETS 13.0 Overview
- M-RETS 12.0 Overview
- M-RETS® Training: M-RETS 11.0 Report Navigation February 25th 2013
- M-RETS® 11.0 Report Navigation Video (2013)
- Phase I Training July 11th 2007