

REC Tracking System Forum

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Organizational Overview

- * **M-RETS, Inc. contracts for and oversees operation of the REC registry**
Footprint: 9 states (WI, MN, IA, SD, ND, IL, IN, MT, OH) and Manitoba
1 ISO
- * **501c4 nonprofit corporation**
- * **Independent, not affiliated with an ISO or Balancing Authority**
- * **M-RETS, Inc. Board:**
 - * Agency staff from WI, MN, IA, SD, MB
 - * Electric providers - IOU, Muni, Co-op
 - * RE Marketer; Nonprofit
- * **First REC tracking began in 2008**
- * **2 staff, office in St. Paul**
 - * APX contracted to serve as Registry Administrator



Key MRETS Functions

- * Creates/tracks RECs for each MWh of renewable energy generated by registered generators
 - * Generators must register units to be tracked
 - * Must report 100% of output from a registered unit to prevent REC double counting
 - * M-RETS® does not determine eligibility for state or voluntary programs. Each state defines what qualifies as “renewable”
 - * No automatic REC retirements based on age; state programs determine eligibility
 - * The State Commissions may use information collected and verified by M-RETS® to conduct this determination.

Not tracking emissions or carbon at this time

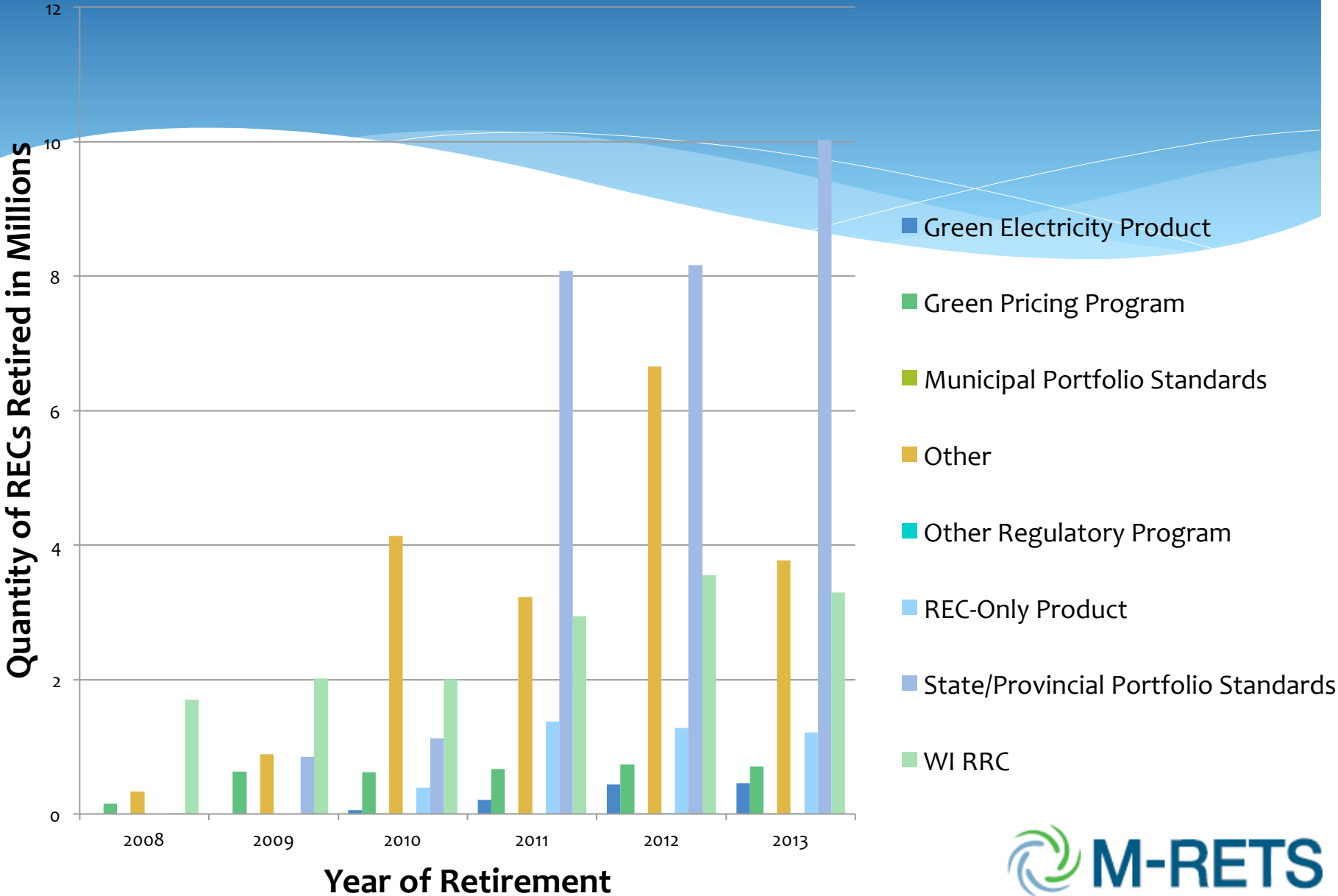
Data Sources

Data	Sources	Comment
Generator Output (MWh)	<ul style="list-style-type: none">• Midwest ISO Settlement• Qualified Reporting Entity• Self Reporting	<ul style="list-style-type: none">• MISO Release Form signature required if reporting data via MISO.• QRE and self reporting are options if MISO data not available.
Fuel Sources/Generator Characteristics	Generator Entered/ M-RETS Admin (APX) Verified	<ul style="list-style-type: none">• Information such as fuel type(s), vintage, capacity, location, etc.• Reported generation run through feasibility assessment• Verification with Interface Control Document, attestations
RPS Eligibility (by State/Province)	Generator Entered Regulator Verified	State certification number required (for WI and OH)

Balance of Stakeholder Interests

- * 2012 Year End – 177 accounts, 674 generators registered
 - * In 2012, 21M RECS retired, 66M issued.
 - * Medium sized generator (1.5kw to 25MW) is average new acct.
 - * Average generator less than 100,000 RECs
- * Quarterly Subscriber Group meeting (one annual in-person mtg - Oct. 23) – discuss policies and rule changes
- * Substantial voluntary activity – growth area
 - * Market-based activity
 - * Utility green pricing programs
 - * Offer a bulletin board where buyers and sellers can connect
 - * Not a trading or clearing system, not tracking REC prices
- * 70% of total REC activity in registry related to regulatory compliance (RPS's in MN, WI, IL are top drivers for retirements)

RECs Retired by Reason by Year



Import/Export of RECs Between Registries

- * M-RETS Goals:

- * Functional & automated export of RECs from M-RETS to all compatible tracking systems

- * Growing number of REC exports– almost 1/3 increase from 2011 to 2012
 - * Exports to APX-run systems – MI, NC, NAR

- * Functional & automated import of RECs into M-RETS from other compatible tracking systems

- * Technical requirements and minimum standards are under development.
- * Coordinating with other tracking systems
 - * Data, metering
 - * Multipliers and add-ons

MRETS Certificate = All Environmental Attributes



- * In MRETS, a “Whole Certificate” is one where **none of the renewable attributes have been separately sold, given, or otherwise transferred** to another party by a deliberate act of the Certificate owner.
- * i.e. carbon can't be sold off

MN Solar Energy Standard (SES)

- * Requires 4 IOU's to provide 1.5% of power from solar by 2020
 - * 30-fold increase: Equal to about 450 MW (current installed PV capacity ~13MW)
 - * 10% of the 1.5% must come from installations 20 kW or less
- * MRETS preparation for solar aggregation
 - * Revisiting MRETS policies regarding small generator registration and generation reporting to facilitate efficient registration of aggregated systems, clarity on ownership of RECs
 - * Learning from other tracking systems' approaches to registering aggregated DG, metering standards, etc

Discussion and Q & A

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