

The RPS and RENEWABLE CREDIT TRACKING: The Wisconsin Experience

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Wisconsin RPS and Renewable Credit Tracking

1. The Renewable Portfolio Standard
2. The Renewable Resource Credit Tracking System
3. Recommended Changes
4. Midwest Renewable Energy Tracking System (M-RETS)



THE WISCONSIN RENEWABLE PORTFOLIO STANDARD

The Wisconsin Renewable Portfolio Standard

- Based on Retail Sales.
- Established as part of 1999 Act 9 (Wis. Stat. §196.378).
- Applies to 110 Electric Providers in State
 - EPs with more than 10% are exempt.
- PSC responsible for credit tracking and facility certification.

Wisconsin's RPS

Year	Minimum
2001 - 2002	0.5 %
2003 - 2004	0.85 %
2005 - 2006	1.2 %
2007 - 2008	1.55 %
2009 – 2010	1.9 %
2011 and beyond	2.2 %

The Wisconsin Renewable Portfolio Standard

- Solar thermal electric or P.V.
- Wind power
- Small Hydro (less than 60 MW)
- Biomass
 - Landfill gas
 - Anaerobic Digestion
 - Co-fired with coal
 - Dedicated

Photovoltaic Systems



Off Grid
Central. WI



Northland College Ashland WI



The Wisconsin Renewable Portfolio Standard

Also in Wis. Stat. 196.378(1)(h)

- Tidal or wave action
- Geothermal technology
- Fuel cells that use a renewable fuel
- Any other resource designated by Commission in rules

THE RENEWABLE CREDIT TRACKING SYSTEM (WIRRRC)

Wisconsin RRC Program Rules

- RRC Program: Creating, selling, transferring, purchasing and retiring RRCs
- Facilities Eligible to Create RRCs
- Creation and Transfer of RRCs
- Certification of Renewable Facilities
- RRC Program Administrator

WIRRC System

- Wisconsin Electric Providers register online
- System participants can update data
- Maintains and updates generator information associated with each participant
- Tracks generator production on annual basis

WIRRC System

- Creates RRCs (Renewable Resource Credits)
- Maintains participant accounts for RRCs
- Facilitates RRC transfers or trades through a on-line bulletin board
- Provides reports for Public Service Commission of WI, participants, public

Other Recommendations

- Entire program should be administered by one agency.
- Point of credit creation – generator or point of sale?
- Allow non-utility ownership of credits
- Add provisions for multi-state program

Task Force Recommendations

- 10% State-wide average by 2015
- For each utility – 6% over 1/1/04
- Include all existing renewables
- “Off Ramps”
 - Impact on reliability
 - Unacceptable impact on rates
 - Siting problems
 - Transmission constraints

MIDWEST RENEWABLE ENERGY TRACKING SYSTEM (M-RETS)

M-RETS

- Five states and Manitoba
- Governance:
 - Board made up of Commissioner from each jurisdiction.
 - Seeking a host institution – none with same footprint.
 - Administrator/operator chosen by RFP.

M-RETS

- Functionality Issues
 - One Credit = One MWh, includes all environmental attributes?
 - Policy neutral, states set renewable policy
 - Certification of facilities
 - Source of generation data
 - Confidentiality of data

Summary

1. Current Wisconsin RPS:
 - Increases to 2.2% by 2011
2. Governor's Task Force:
 - 6.0% (over 1/1/04 base) by 2015
 - Statewide goal is 10% from renewables by 2015
3. M-RETS may extend tracking to five upper Midwest states and Manitoba by 2006

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- <http://psc.wi.gov>