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

<table>
<thead>
<tr>
<th>Year</th>
<th>Minimum</th>
</tr>
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<tbody>
<tr>
<td>2001 - 2002</td>
<td>0.5 %</td>
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<tr>
<td>2003 - 2004</td>
<td>0.85 %</td>
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<tr>
<td>2005 - 2006</td>
<td>1.2 %</td>
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<tr>
<td>2007 - 2008</td>
<td>1.55 %</td>
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<tr>
<td>2009 – 2010</td>
<td>1.9 %</td>
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<tr>
<td>2011 and beyond</td>
<td>2.2 %</td>
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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 (WIRRC)
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
WI RRC 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
WI RRC System

- Creates RRCs (Renewable Resource Credits)
- Maintains participant accounts for RRCs
- Facilitates RRC transfers or trades through an 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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WEB SITES:

- www.wirrc.com
- http://psc.wi.gov