Renewable Energy Policies, Programs and Tracking

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AD Production of Energy

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2008 PA 295
Renewable Portfolio Standard

- 10% RPS by 2015, with interim steps for 2012-13-14.
2008 PA 295

Eligible Renewable Energy Resources

- Wind
- Solar

Diagram:

- Biomass
  - Multi-Fuel
  - Wood/plant burning
  - Anaerobic Digester
  - Farms
  - Foods
Biomass

- 20 of 211 total renewable projects
- Nearly 8 million of 25.5 million energy credits
Current Projects Registered in MIRECS

3 AD Projects in Michigan
AD Registered in MIRECS

Fremont Community Digester: 2012, 2.85 MW

Scenic View Dairy, Fennville: 2006, .9 MW

Scenic View Dairy, Freeport: 2009, 1.4 MW
MIRECS

Michigan Renewable Energy Certification System

• Creates
• Tracks
• Trades
• Retires
Michigan Energy Credits Explained

1 Megawatt-hour of Renewable Electricity

→

1 Renewable Energy Credit

→

1 MWh of Electricity

Michigan Incentive Credit(s)

Energy Credits can be sold separately from the electricity.
• Purchase energy credits
• Sell energy credits

• Opportunity
  – Rising Value

• Cost
  – Fees
PROGRAMS
EARP - AD

• Consumers Energy

• 2011 RE Plan Case: U-16543
  – Further AD Research
  – Program in Future Filing

• 2013 RE Plan Case: U-17301
  – $86/MWh over 20 years
  – 2,360kW
POLICIES
Incentive Credits

- Michigan Labor
- Michigan Equipment
- On-Peak

Over 13% of the energy credits issued for MI AD systems are incentive credits.
RPS Michigan Incentive REC
Applicable to Biomass

• Renewable energy generated from systems constructed by a Michigan work force earns an additional 10% REC for each MWh generated, for first 3 years of production.
• Renewable energy generated from equipment made in Michigan earns an additional 10% REC for each MWh generated, for the first 3 years of production.
• On-peak, non-wind generation earns additional 20% REC for each MWh generated
MIRECS.org

Michigan.gov/MPSC

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