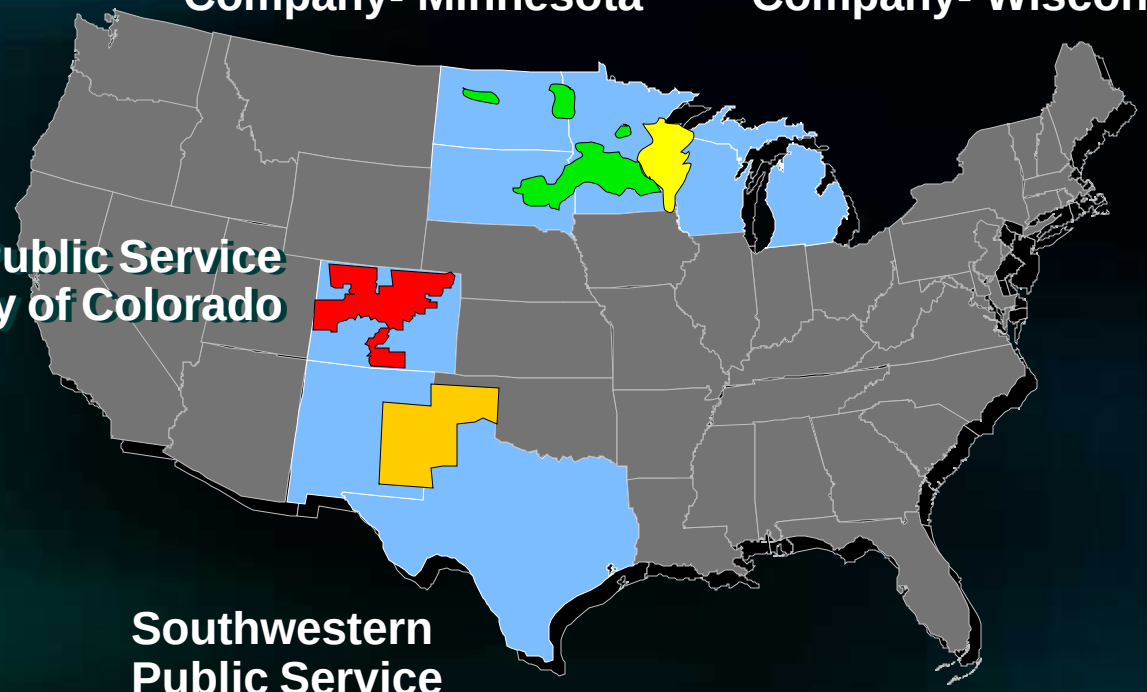
Xcel Energy's Renewable Energy Strategy

Richard C. Kelly
Chairman, President and CEO, Xcel Energy
April 7, 2008

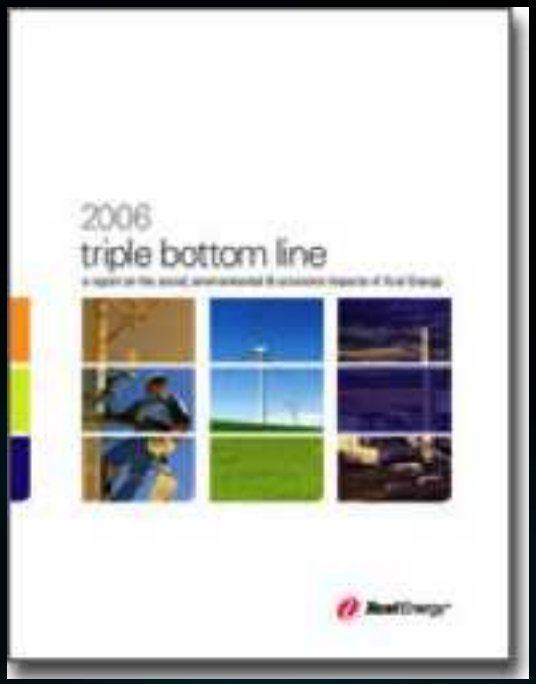
Xcel Energy Overview



Gas Customers	1.8 M
Electric Customers	3.3 M

Xcel Energy's Environmental Leadership

- No. 1 wind energy provider
- Windsource – Largest voluntary green pricing program
- Voluntary carbon management strategy
- New technologies
- Comprehensive CSR reporting
- Member of

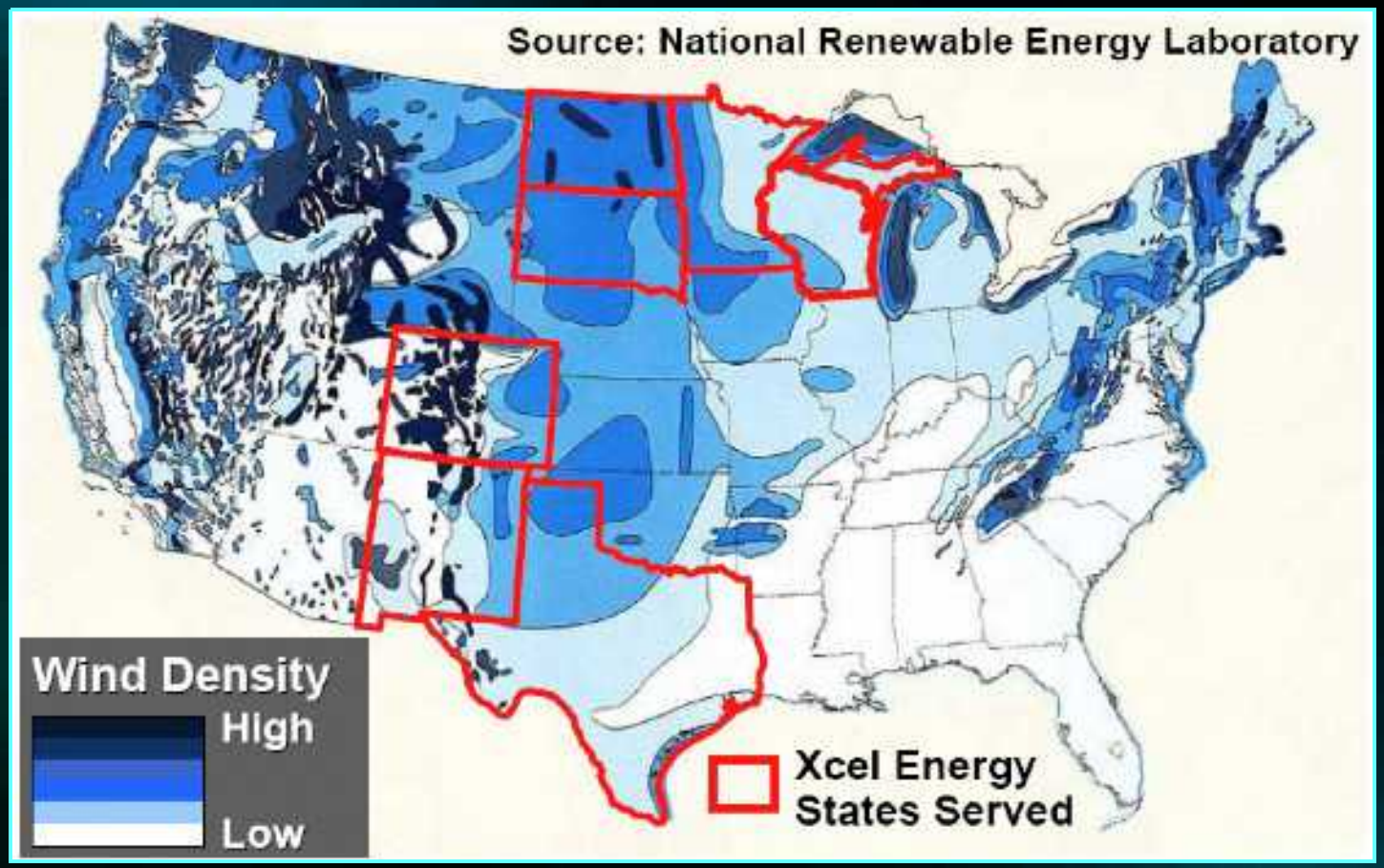


Dow Jones Sustainability Indexes
Member 2007/08

Renewable Energy Benefits

- Meets needs of customers, shareholders, environmental groups, regulators
- Significant component of $C0_2$ reduction strategy
- Reduces risk for future climate change regulation
- Takes advantage of our geography

Our Geographic Advantage: Wind Density



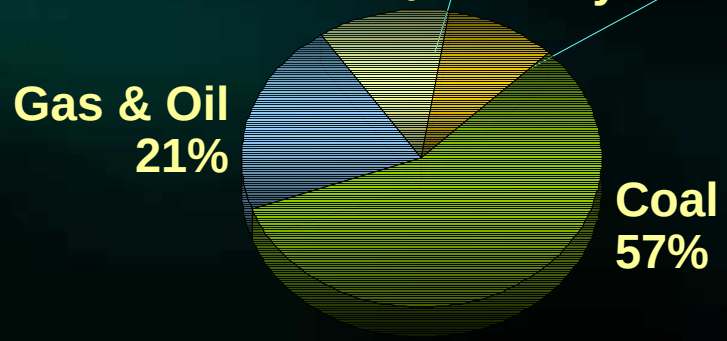
Renewable Energy Standard Legislation

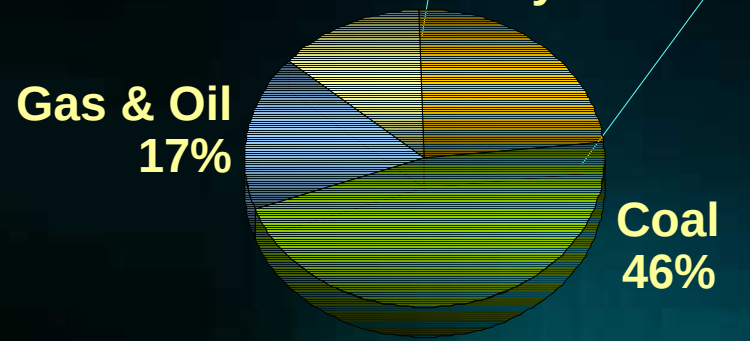
State	Renewable Portfolio Standard
Minnesota	30% by 2020
Colorado*	20% by 2020
Wisconsin	12.9% by 2015
New Mexico*	20% by 2020
Texas	5% by 2015 (capacity)
North Dakota	10% objective by 2015 (voluntary)
South Dakota	10% objective by 2015 (voluntary)

* Colorado – Includes 4% solar carve-out; half is on-site
* New Mexico – Includes carve-out (20% solar, 10% biomass, 1.5-3% DG)

Xcel Energy Renewable Energy Resources

MW	2007	2020
Wind	2,694	7,400
Hydro	365	400
Solar	17	600
Biomass	183	250
RDF	100	60
Landfill	15	20
Geothermal	0	20





Recent Initiatives: Minnesota Resource Plan

- Plan extends 2008 - 2020
- Achieves 22% CO_2 reduction by 2020
- Least cost strategy
- Acquisition plans:
  - 2600 MW of new wind
  - Includes 500 MW of community-based wind
- Also includes energy efficiency, hydro power

Recent Initiatives: Colorado Resource Plan

- Plan extends 2008 - 2015
- Achieves 10% CO_2 reduction by 2017
- Incremental costs are within 2% mandated cap
- Acquisition plans
  - 800 MW wind
  - Over 250 MW solar
- Also includes plant retirements, increased energy efficiency goals

Renewable Energy Challenges

- Intermittency
  - Potential renewable storage solutions:
    - CSP with storage
    - Wind to hydrogen
    - Wind to battery
    - Compressed air
- Resource Acquisition
  - Timing of RFP selection, construction timelines, transmission planning

Under construction near
Grenada, Spain
50 MW plus 6 hours storage

Renewable Energy Challenges

- Wind production tax credits
- Solar Investment tax credits
- Ownership

Alamosa Colorado 8.2 MW photovoltaic plant

Renewable Energy and National Climate Policy

Goal: Continue to focus on most cost-effective emissions reductions

- **Renewable energy plays a significant role in a clean energy future**
- **Climate policy should encourage renewable development**
- **Flexibility and credit for renewable leadership are key**


Xcel Energy®