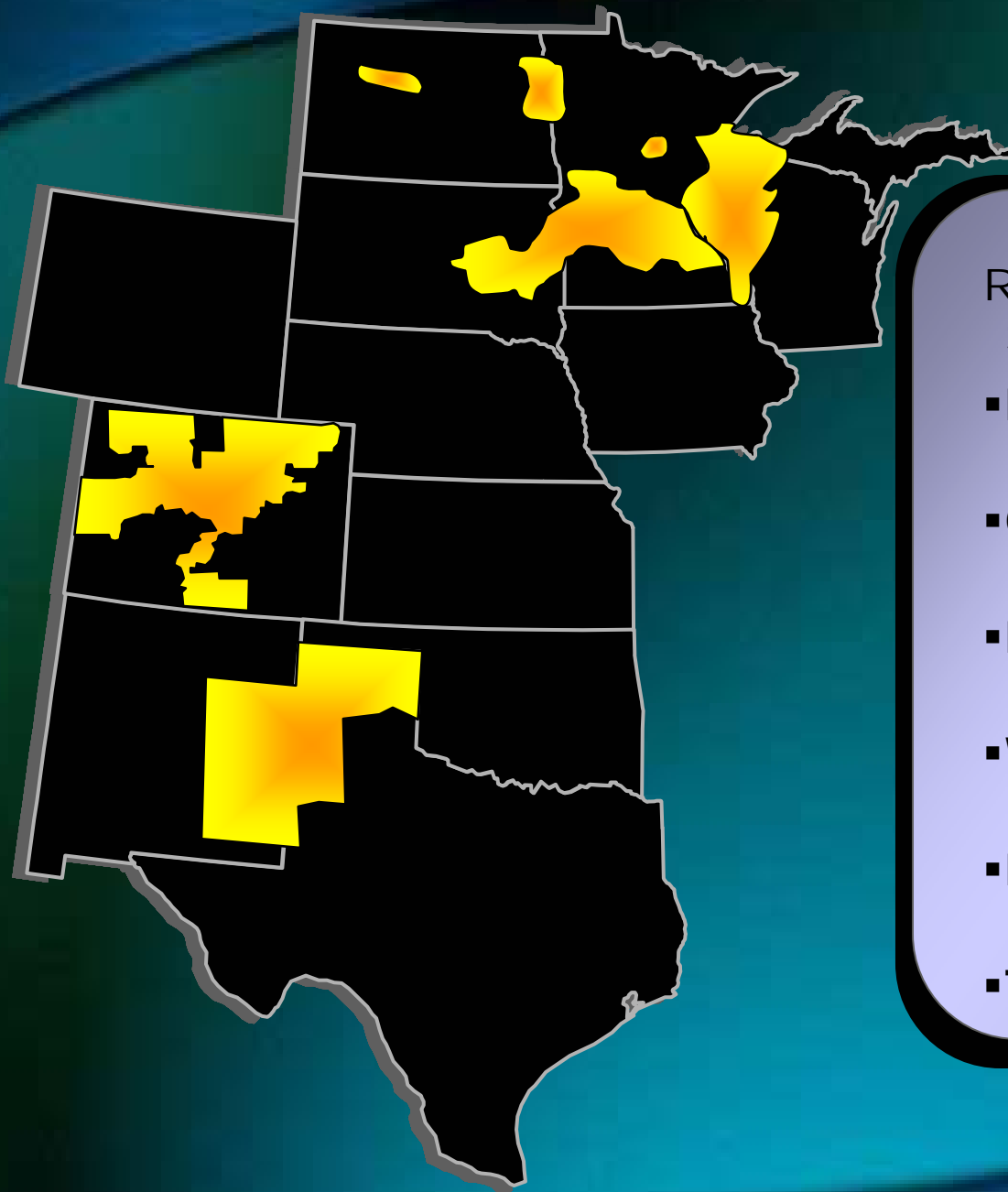




# Leveraging IT for a Regulatory Strategy

# Xcel Energy

- **Integrated electric & gas provider (8 jurisdictions)**
  - 15,300 Mw of generation (71 plants)
  - 34K miles of gas pipeline
  - 177K miles of transmission
- **\$10B in annual revenues**
- **9,735 employees in over 240 locations**
- **2007 Energy Profile**
  - 9% renewables (300Mw of Wind)
  - 12% nuclear
  - 27% natural gas/oil
  - 52% coal



## Renewable Energy Standards

- **MN – 30% by 2020**
- **CO – 20% by 2020**
- **NM – 20% by 2020**
- **WI – 10% by 2015**
- **ND – 10% by 2015**
- **TX – 5% by 2015**

# Regulatory Considerations

- **Renewable Energy Standards**
- **Carbon neutrality objectives**
- **Generation mix/least cost planning**
- **Reliability**
- **Critical Infrastructure Protection**
- **Customer optionality**

# Technology Leverage

**Process**

**Networks  
& Devices**

**Data**

*Integrated Systems*

*Data Analytics*

*Decision Automation*

*Customer Management Capabilities*

# IT Strategies

- **Expanded Analytics**
- **Vertical System Automation**
- **Horizontal Systems Integration**
- **Real-time Neural Network & Decisioning**



**Xcel Energy**<sup>®</sup>