THE MINNESOTA E21 INITIATIVE

An Update from the Heartland

Mike Bull, Director
Policy and Communications











Minnesota Energy Politics

Divided government 22 of past 25 years

Coal dominant

Almost 200 electric utilities

National
Clean Energy
Leader?

You bet.





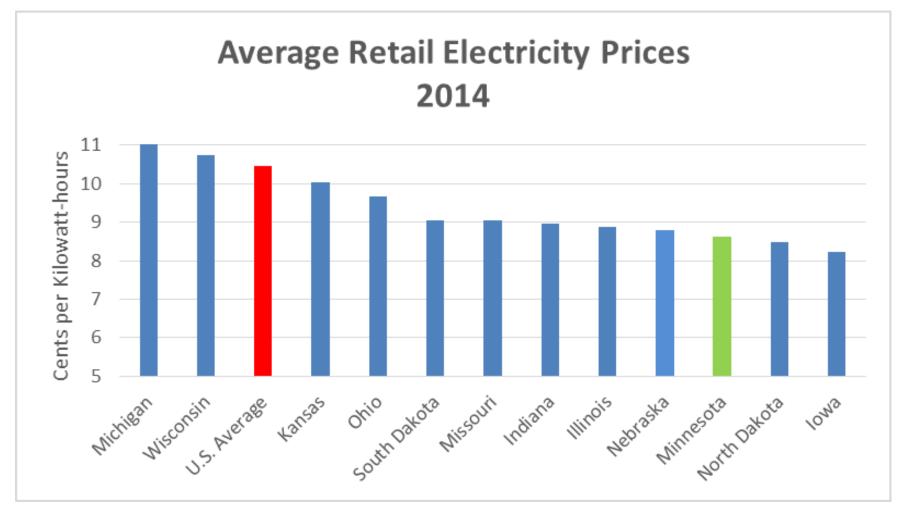




Reduced by almost 20% from 2005 baseline

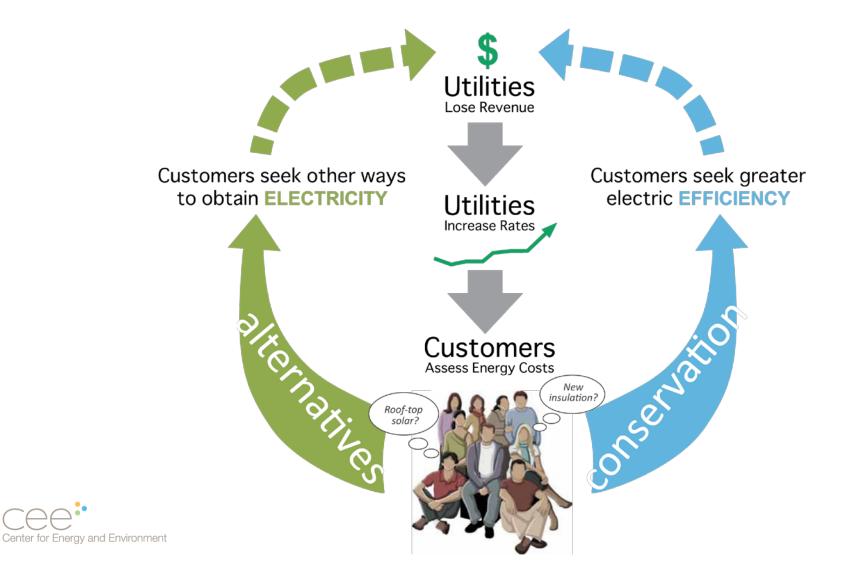
CO2 Emissions

Electricity Price Comparison





But... the industry is changing





Electricity for the **Twenty First** Century

A regulatory framework that better aligns how utilities earn revenue with customer demands and public policy goals.



Project Team





Better Energy. Better World.











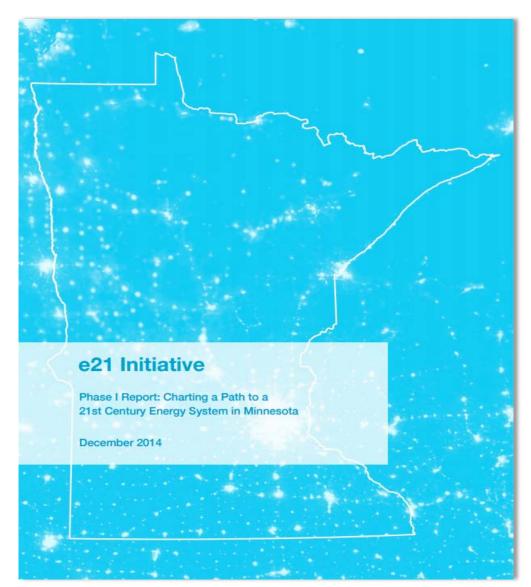
Broad Stakeholder Involvement



e21 Initiative Phase I Report

Dec 2014

After a year of effort:





Phase II: Putting Meat on the Bones

- Move Toward Performance Based, Multi-Year Revenue Model
- Improve Integrated Resource Planning
- Modernize the Distribution Grid
- Provide Additional Customer Choices



Phase II: Featured National Experts (to date)



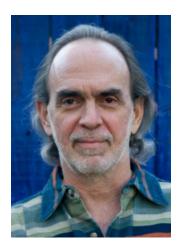
Melissa Whited Synapse



Sonia Aggarwal
Energy Innovation LLC



Jim LazarRegulatory Assistance Project



Lorenzo Kristof California ISO



Dan Cross-CallRocky Mountain Institute



Where is Minnesota going?

Smart Integrator

Energy Services Utility

Set by market

Price for Supply

Set by regulators

May not own

Generation

May own some or most

 Operates balancing, delivery and integration network

Power Delivery

 Operates balancing, delivery and integration network

Return on grid assets

Revenues

Provision of services

Primarily market

Energy Efficiency

A core function of ESU



More like ESU, but very early

Smart Integrator		Energy Services Utility
 Set by market 	Price for Supply	 Set by regulators
 May not own 	Generation	 May own some or most
 Operates balancing, delivery and integration network 	Power Delivery	 Operates balancing, delivery and integration network
 Return on grid assets 	Revenues	 Provision of services
 Primarily market 	Energy Efficiency	 A core function of ESU





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