

2017 e21 Forum Series

Toward a 21st C. Electric System in Minnesota

Friday, September 8th, 2017
The Saint Paul Hotel



Today's Agenda

- 1:30 – 1:45 pm** Welcome, Meeting Overview
- 1:45 – 2:15 pm** Background on Xcel Energy's Pilot Projects
- 2:15 – 3:30pm** Xcel Energy's Draft TOU Pilot Design (incl. 15-min. Intermission)
- 3:30 – 4:30 pm** Q&A and Discussion
- 4:30 – 6:00 pm** Networking Reception made possible by the McKnight Foundation



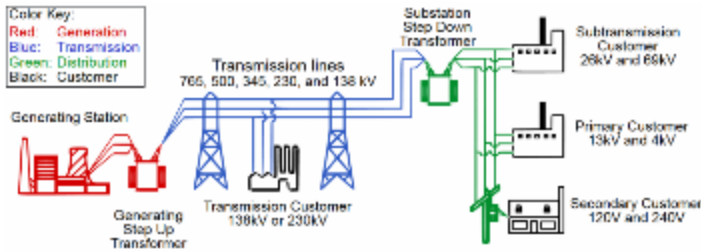
The Electric Sector is Changing



Analog & Manual



Digital & Automated



Centralized. One-way flow



**Cleaner. More Distributed.
Two-way flow**



Little consumer choice



More consumer choice



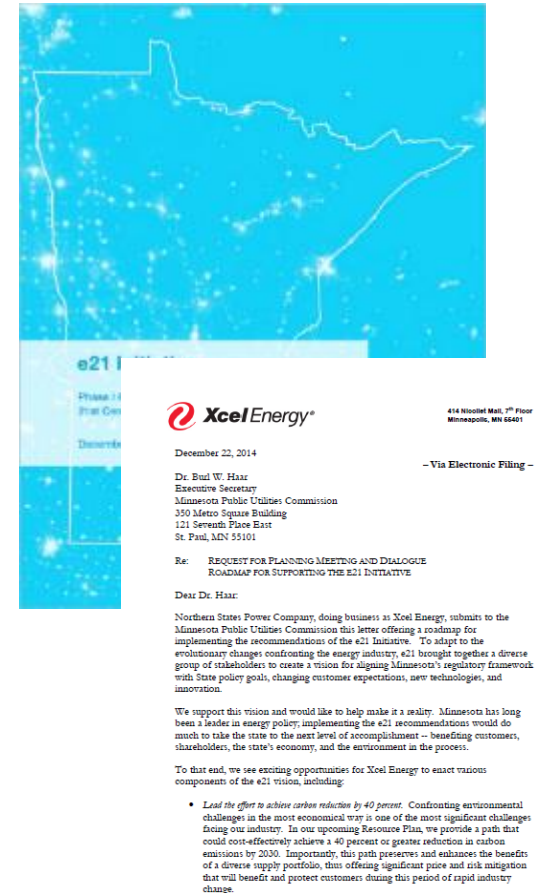
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e21 Phase I: Resulted in a Consensus on...

Evolving the utility business model & regulations to:

- 1) Provide more consumer choices.**
- 1) Better align utility financial incentives with outcomes consumers care about.**



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ceee
Center for Energy, Environment and Environment

e21 Phase 2: From “Blueprint” to “Building the House”

Developed next level of detail necessary to implement Phase I recommendations, including White Papers on:

1. Integrated System Planning
2. Performance-Based Utility Compensation
3. Grid Modernization

<http://www.betterenergy.org/e21-PhaseII>



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e21 Phase 3: From Ideas to Action

Phase 3 Has Two Main Elements:

e21 Forums (2-3 per year):

- Provide on-going platform for interested parties to learn about issues relevant to MN's changing electric sector and proposed pilots projects.
- Hear from utilities and other entities about their pilots and projects.
- Flag issues that require deeper investigation.

Specific Pilots/Projects:

- GPI/CEE will coordinate and facilitate stakeholder engagement that assists pilot/project leaders in shaping and refining their projects.

Goal: To reduce transaction costs & improve outcomes for all.



e21 Phase 3: Current Pilots

GPI/CEE are assisting with stakeholder engagement for two projects to date:

1. Xcel Energy's Time of Use rate design pilot
2. Seventhwave/LBNL's project to model implications of performance-based utility compensation options.



Other potential projects under discussion.



Xcel Rate Design Pilot:

3 Forums + 2 Intensive Rounds of Stakeholder Input

- **May**
 - e21 Stakeholder Forum on **May 5th** ✓
 - Convened small group of stakeholders for 3 meetings in May ✓
- **July**
 - e21 Stakeholder Forum on **July 14th** ✓
- **September & October**
 - e21 Stakeholder Forum on **September 8** ✓
 - Reconvene core stakeholder group for 3 meetings to refine suggestions for pilot design



Xcel TOU Stakeholder Working Group

- **Ryan Barlow**, Office of the MN Attorney General
- **Sara Bergan**, Stoel Rives
- **Holly Hinman**, Xcel Energy
- **Lon Huber**, Strategen Consulting
- **Annie Levenson-Falk**, Citizens Utility Board of MN
- **Amy Liberkowski**, Xcel Energy
- **Ron Nelson**, Office of the MN Attorney General
- **Will Nissen**, Fresh Energy
- **Susan Peirce**, MN Department of Commerce



Outcomes of May Meetings

Summary Notes to be filed early next week re:

1. Objectives...
 - a) For a TOU rate in general
 - b) For this Pilot (“must Have” and “nice to have”)
2. Identification of key issues that advocates are likely to haggle over
3. Pilot Design Suggestions
4. Metering Q&A
5. Requests for additional information



Questions?

