

Financing Considerations

- 1. Where is Minnesota in the market?
- 2. How does energy storage differ from solar?
- 3. Utility acceptance: who owns it? Who controls it? Time is everything in the market
- 4. Early adopters: aspirational or business
- 5. Examples

Where is Minnesota in the market?

Are we still in flyover country?

Our market drivers are mostly aspirational

Not a deregulated market here

Align with GHG Reduction Goals

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Energy storage is a different animal

doesn't generate more kilowatt-hours

makes solar dispatchable

capacity asset

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Early-stage Market Realities

- ▶ Business case: Where is the pain?
 - ▶ Market pieces are not in place yet
 - ▶ Difficult to finance
 - Most vendors want volume
 - ▶ Timeline on MISO rulemaking?
- ▶ Aspirational: between R&D and commercialization
 - Early adopters
 - More grants available
 - Utility pilot projects
 - Crowdsourced debt





