

# Wisconsin Energy Distribution and Technology Initiative (WEDTI)

Accelerating Innovation and the Deployment of New  
Technology in the Utility Sector

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# Agenda

1. GPI/MWERC
2. Rationale for a Process
3. Process Development
4. Principles
5. Issues
6. Recommendations



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# GPI and M-WERC

## GPI

Focused on transforming the energy system to benefit the economy and environment

## M-WERC

Supporting economic development for Wisconsin's Energy, Power and Controls (EPC) sector



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# Why a Wisconsin Process?

**Changing Technology**

**Dramatically Different Market  
Conditions**

**Environmental Concerns**

**Wisconsin Technology  
Opportunity**



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# Process Development

- M-WERC, GPI discuss with stakeholders
- Assemble entities, individuals
- Monthly meetings
- Meeting Rules/Consensus
- Level-set on existing Wisconsin system
- Principles
- Outside experts



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The electrical energy sector is undergoing a transition, and with this come opportunities and challenges. Among the opportunities are:

- significant economic development gains,
- reductions in the carbon impacts on and of Wisconsin's economy,
- energy security and community resilience, and
- equity for all customers.

Given these opportunities, we wish to:

- accelerate the transition to allow Wisconsin to take advantage of economic development opportunities;
- accelerate utility deployment of new technologies for the benefit of all customers, including residents and businesses; and
- optimize the energy system for the benefit of all (state, customers, and utilities), while enabling first-movers to advance the adoption of beneficial technologies.

In the process of pursuing this, we wish to:

- maintain affordability, efficiency, and reliability for customers;
  - recognize that solutions will require flexibility and being technology-neutral; and
- acknowledge that the outcomes from this change need to fit into Wisconsin's regulatory construct and maintain balance between customers and utilities.





# Issues of Interest

- Utility Grid Modernization
- Storage
- Distributed generation/EE
- MISO
- Demand Response/Beneficial Electrification
- Distribution Planning
- Resource Planning/Reliability
- Regulatory Innovation



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# Recommendations

1. Position Utilities as Conductors
2. Update Interconnection Rules
3. Establish an Innovative Technologies Initiative
4. Encourage Utility-Stakeholder Collaboration



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# Recommendations, cont.

5. Foster Innovation for Low-income, Multifamily and Renters
6. Align Focus on Energy with Carbon Reduction and Clean Energy Goals
7. Advance Clean Energy Through Enhanced Energy Efficiency
8. Shape Energy Consumption to Achieve Utility and State Goals
9. Improve MISO Visibility and Dispatch of DERs



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# Recommendations, cont.

**10. Improve DER Operator Visibility Into MISO Markets**

**11. Participate in Developing Changes to MISO Market Rules**

**12. Improve the Use of DER Data in Transmission Planning**

**13. Act Quickly**

**14. Provide Economic Stimulus**



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# Questions?



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# THANK YOU

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