

# Wisconsin Distributed Resources Collaborative



Update on PSC119

May 10, 2006

ATC Fen Oak offices



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# AGENDA

- Overview of PSC119
  - History and Current Status – Paul Helgeson, PSCW
  - Current Issues - Don Neumeyer, PSCW
- Utility Updates
  - Overall Status / Recent Activities or Initiatives
  - By the Numbers / Customers Interconnected via PSC119
  - Customer Issues / PSC119 Issues
- Open Discussion
- Action Items ?

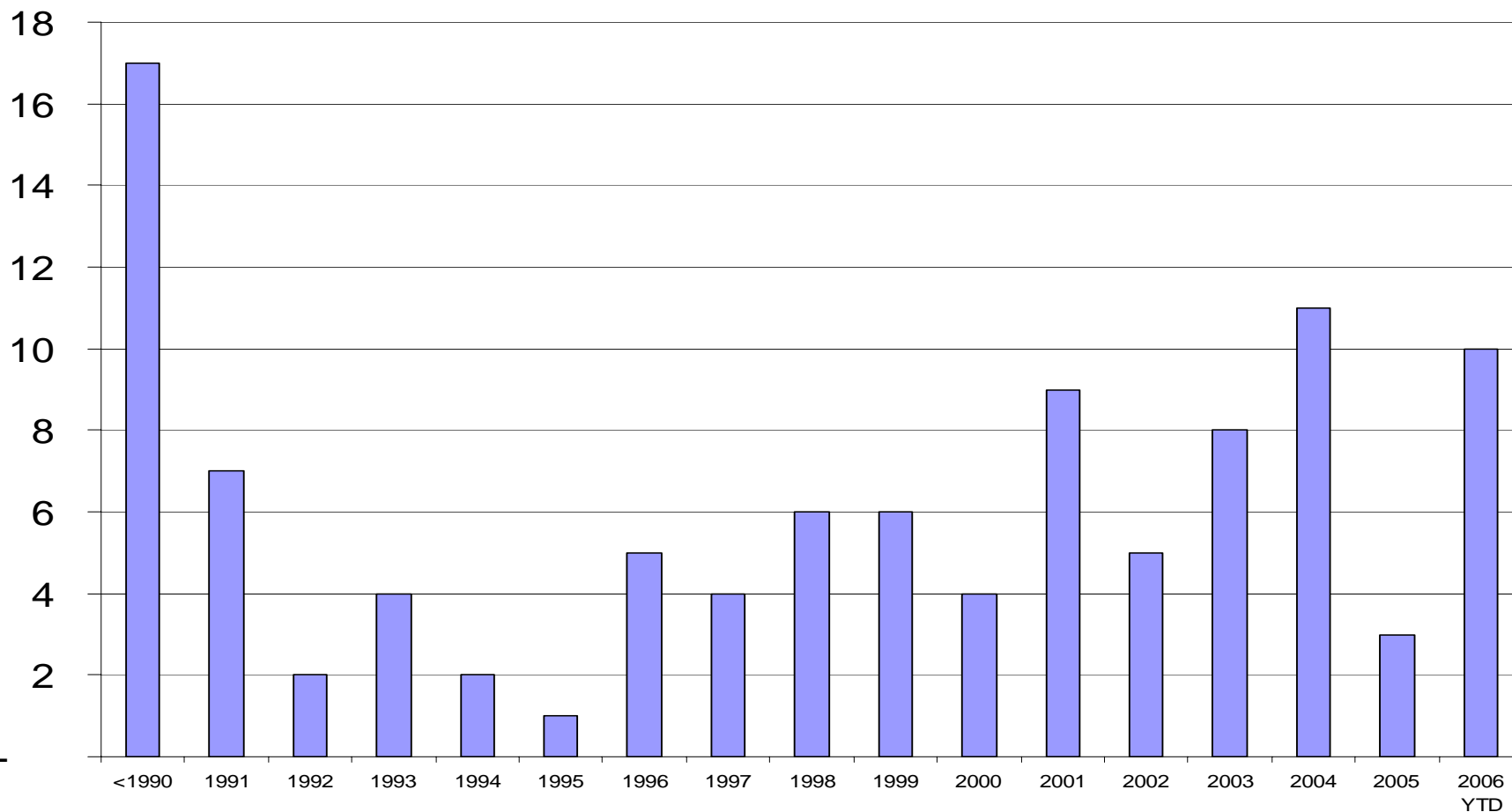


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## Utility – Alliant Energy

- New generation plan announced:
  - 300 MW expansion to Nelson Dewey coal plant by 2012
  - Option on 85 MW wind farm, Empire, WI
- Addition of (4) 30 kW Capstones to Sauk County landfill, bringing total to 16
- Commissioning of a (10) 30 kW Capstone installation at Sheboygan WWTP, May 15<sup>th</sup>

## Alliant Energy DR Interconnections





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## Madison Gas and Electric

- Overall Status / Recent Activities or Initiatives:
  - Overall the PSC 119 rules are working well
  - We did a mailing to all the local installers stressing the importance of them contacting us early during the project.
  - We are fielding questions about the availability of the new federal tax credits for Solar.



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## Madison Gas and Electric

- By the Numbers / Customers Interconnected via PSC119 :
  - We had 11 customers interconnected prior to the implementation of PSC119
  - We have had 19 customers interconnect since the implementation of PSC 119.



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## Madison Gas and Electric

- Customer Issues / PSC119 Issues:
  - We still have installers trying to avoid the interconnection disconnect switch
  - There are still some people who want to interconnect non U.L. listed devices.
  - They seem surprised that we require utility protection relays.



## We Energies / Wisconsin Electric

- Overall Status

### Recent Activities or Initiatives:

- Demonstration Projects
- Procedure development
- Customer Generation booklet
- Website: [www.we-energies.com/cg/](http://www.we-energies.com/cg/)
- Education and Awareness for Employees
- Education & Awareness for Customers
- New full-time position as of April 2006



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## We Energies / Wisconsin Electric

- By the Numbers

### Customers Interconnected via PSC119:

- Customer Inquiries (call center)
  - 2004 - 15 per quarter in
  - 2005 - up to 20 per quarter
  - 2006 - January-March 49 calls
- Current, In-Process Applications: 15
  - wind-7, solar-4, ag digesters-2, other-2
- Complete, installed: 86 altogether; since PSC119:
  - 17: wind-3, solar-10, ag digesters-3, hydro-1,



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## We Energies / Wisconsin Electric

- Customer Issues / PSC119 Issues:
  - Very pleased with PSC119 implementation
  - Do not perceive any changes needed to 119
- Other implementation challenges:
  - Some concerns about electrical inspections
  - Metering configurations for Solar Buy-Back Rate (self-inflicted complication)
  - Soft-transition back-up generators
  - Customers not complying with PSC119



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## Wisconsin Public Service Corp.

- By the Numbers / Customers Interconnected via PSC119  
(since Jan. 2004):
  - 19 Net metered (PG-4)
  - 8 Greater than 20 kW (PG-2)
  - 2 Non-Renewable (PG-1)



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## Xcel Energy / NSPW

- Overall Status

### Recent Activities or Initiatives:

- Internal Process Development
- Training for Customer Call Center
- Customer Presentations on Renewable and Distributed Generation



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## Xcel Energy / NSPW

- By the Numbers

### Customers Interconnected via PSC119:

- Customer Inquiries (call center)
  - 2004 – 10 total
  - 2005 – 11 total
  - 2006 – 20 through May 1
- Currently Zero Applications Completed:
- Completed, installed: 5 Total



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## Xcel Energy / NSPW

- Customer Issues / PSC119 Issues:
  - none

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2005 Review &  
2006 Planning



January 18, 2006  
Madison, Wisconsin