



## **Summer 2011 Outlook**

**May 24, 2011**

**Carl Chapman  
Chairman, President and CEO**

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# Attendees

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- Carl Chapman, Chairman, President and Chief Executive Officer
- Bill Doty, Executive Vice President Utility Operations
- Wayne Games, Vice President Power Supply
- Bob Heidorn, Vice President General Counsel and Chief Compliance Officer
- Scott Albertson, Director Regulatory Affairs
- Mike Chambliss, Director Network Operations and Dispatch
- Angila Retherford, Director Environmental Affairs
- Robbie Sears, Director Conservation



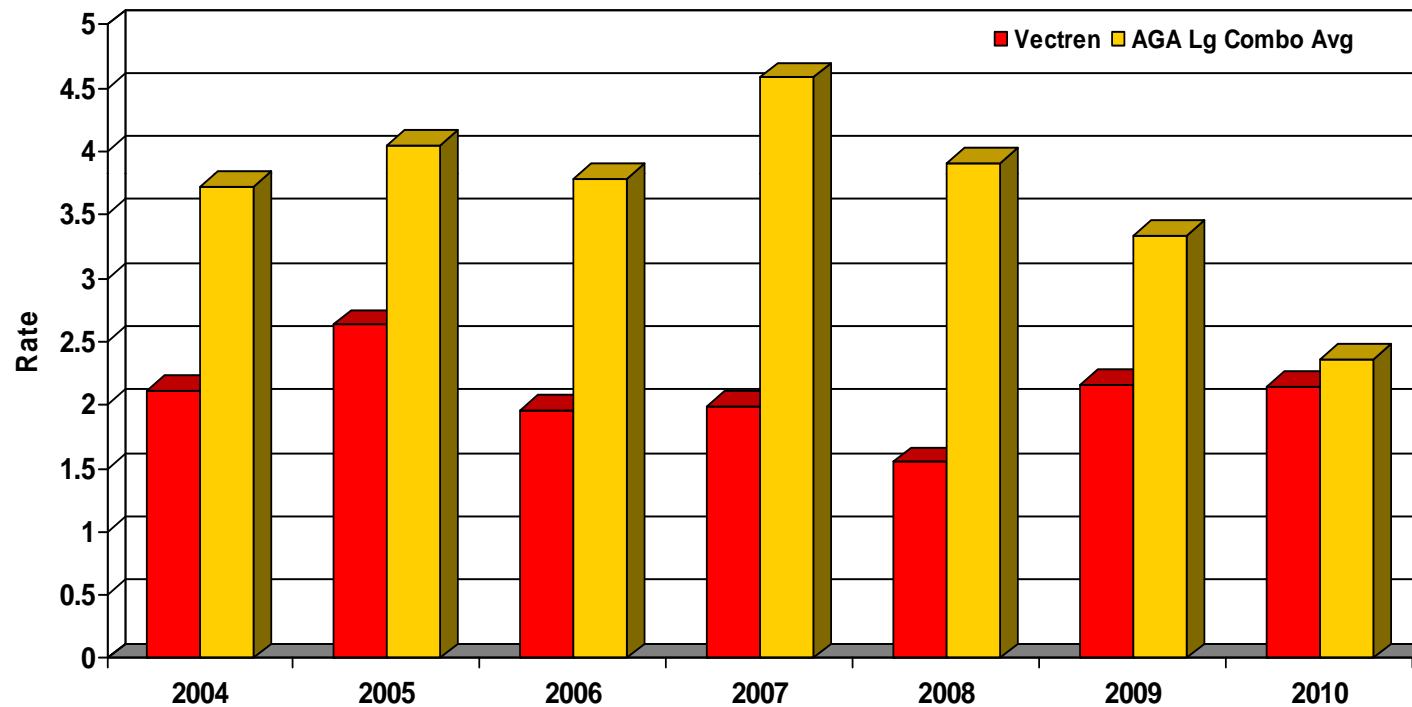
# Summer 2011 Outlook

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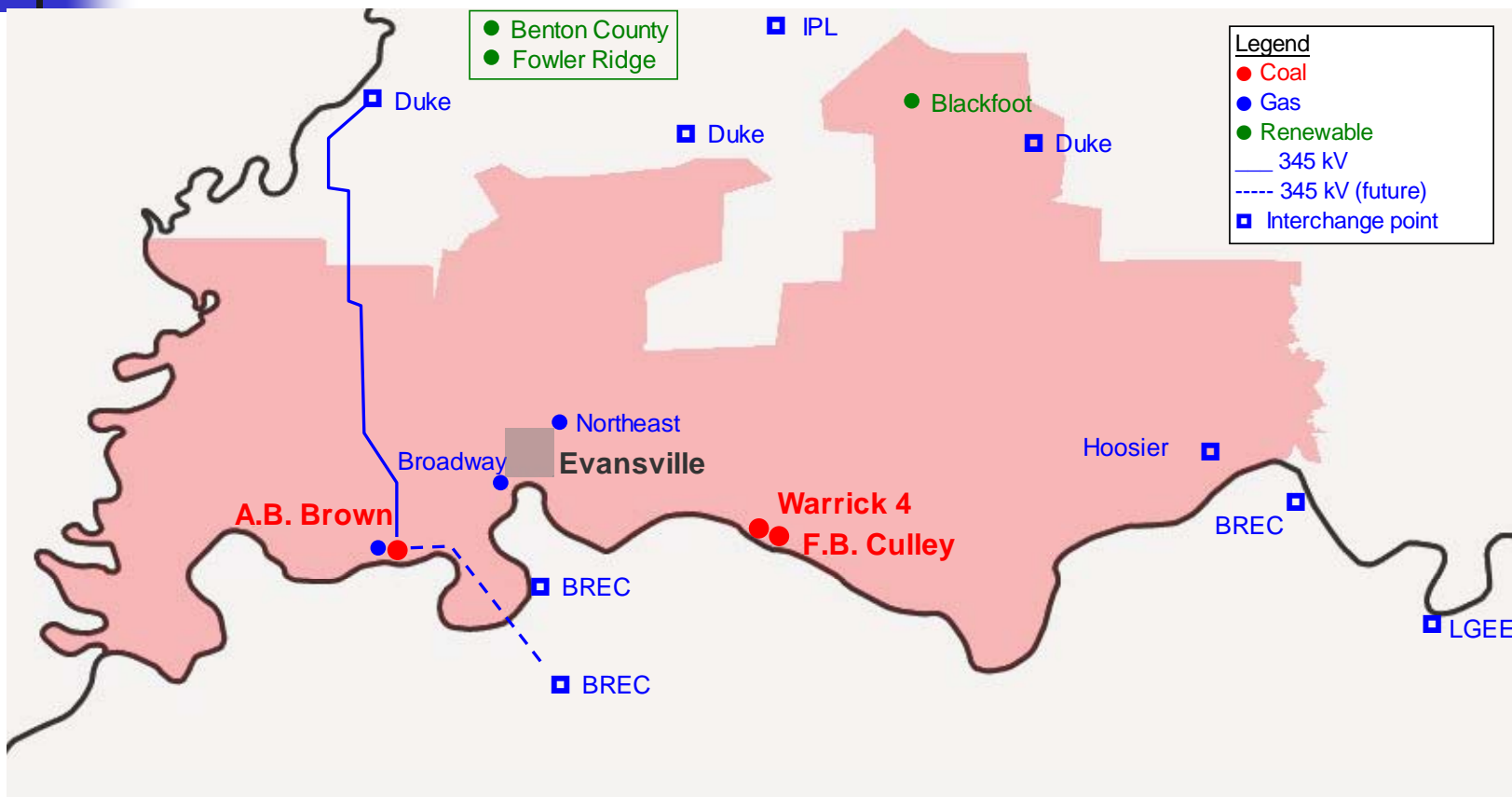
# Vectren: A Culture of Safety

Vectren OSHA rate vs. AGA Large Combo Class Average



- Top quartile performance-American Gas Association (AGA) Peer Group (Combination Gas and Electric Companies)- 6 of the last 7 years
- AGA Industry Leader Award last 7 years - based on safety record compared to our industry
- Winner of the Koselke Safety Award for the last three years presented by the Indiana Energy Association-lowest DART (Days Away Restricted and Transferred) rate in our class

# Vectren Electric System





# Vectren Electric System

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- Customers 146,240
- 2010 Retail Sales (GWh) 5,617
  - Residential 1,604
  - Commercial 1,600
  - Industrial 2,391
  - Other 22
- Transmission System
  - 959 Miles of transmission circuits
  - 46 transmission substations
- Distribution System
  - More than 4,200 miles of distribution circuits
  - 28% of distribution underground
  - 104 distribution substations

# Vectren Generation Facilities

Generator Name	Capability MW net	Commercial Year	Environmental Controls		
			SO2	NOX	Particulate
A.B. Brown 1	245	1979	scrubber	SCR & LNB	fabric filter
A.B. Brown 2	245	1986	scrubber	SCR & LNB	precipitator
F.B. Culley 2	90	1966	scrubber	low nox burners (LNB)	precipitator
F.B. Culley 3	270	1973	scrubber	SCR & LNB	fabric filter
Warrick 4	150	1970	scrubber	SCR & LNB	precipitator
<b>Total Coal</b>	<b>1,000</b>		<b>100% scrubbed</b>	<b>90% SCR</b>	<b>52% fabric filter</b>

A.B. Brown 3	80	1991
A.B. Brown 4	80	2002
Broadway 1	50	1971
Broadway 2	65	1981
Northeast 1	10	1963
Northeast 2	10	1964
<b>Total Gas</b>	<b>295</b>	

A.B. Brown units are black start capable



# Renewable Energy and Energy Efficiency

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- In 2010 Renewable Energy and Energy Efficiency accounted for 4.2% of Vectren's retail sales
  - Fowler Ridge wind PPA
    - 129,464 MWh
  - Benton County wind PPA
    - 85,154 MWh
  - Blackfoot Landfill gas project
    - 17,088 MWh
  - Energy Efficiency
    - 1,978 MWh
  
- Voluntary Clean Energy Portfolio Standard (SB 251)
  - Vectren is well positioned to meet the 2013-2018 goal of 4%.





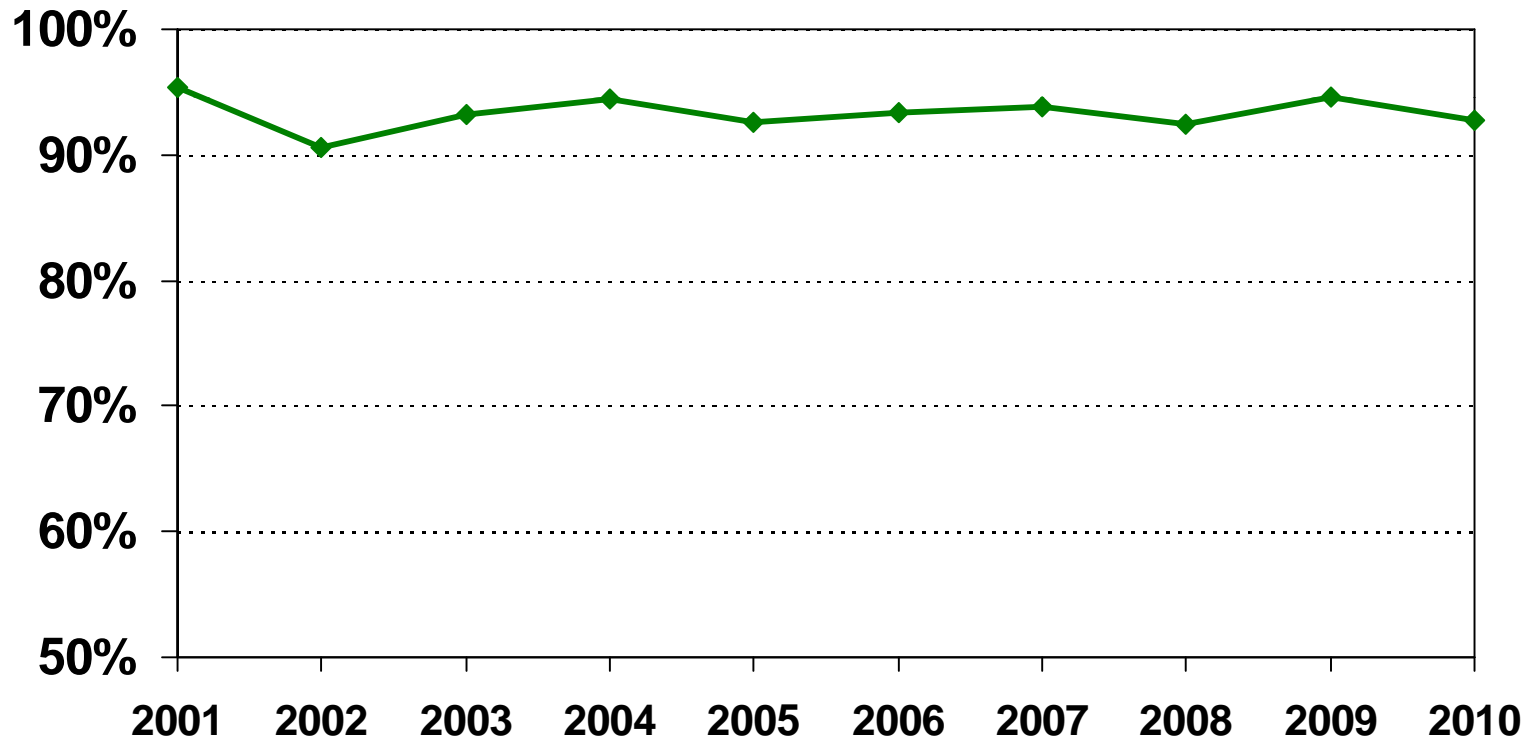
## Vectren System Capacity Meets Summer Projected Peak

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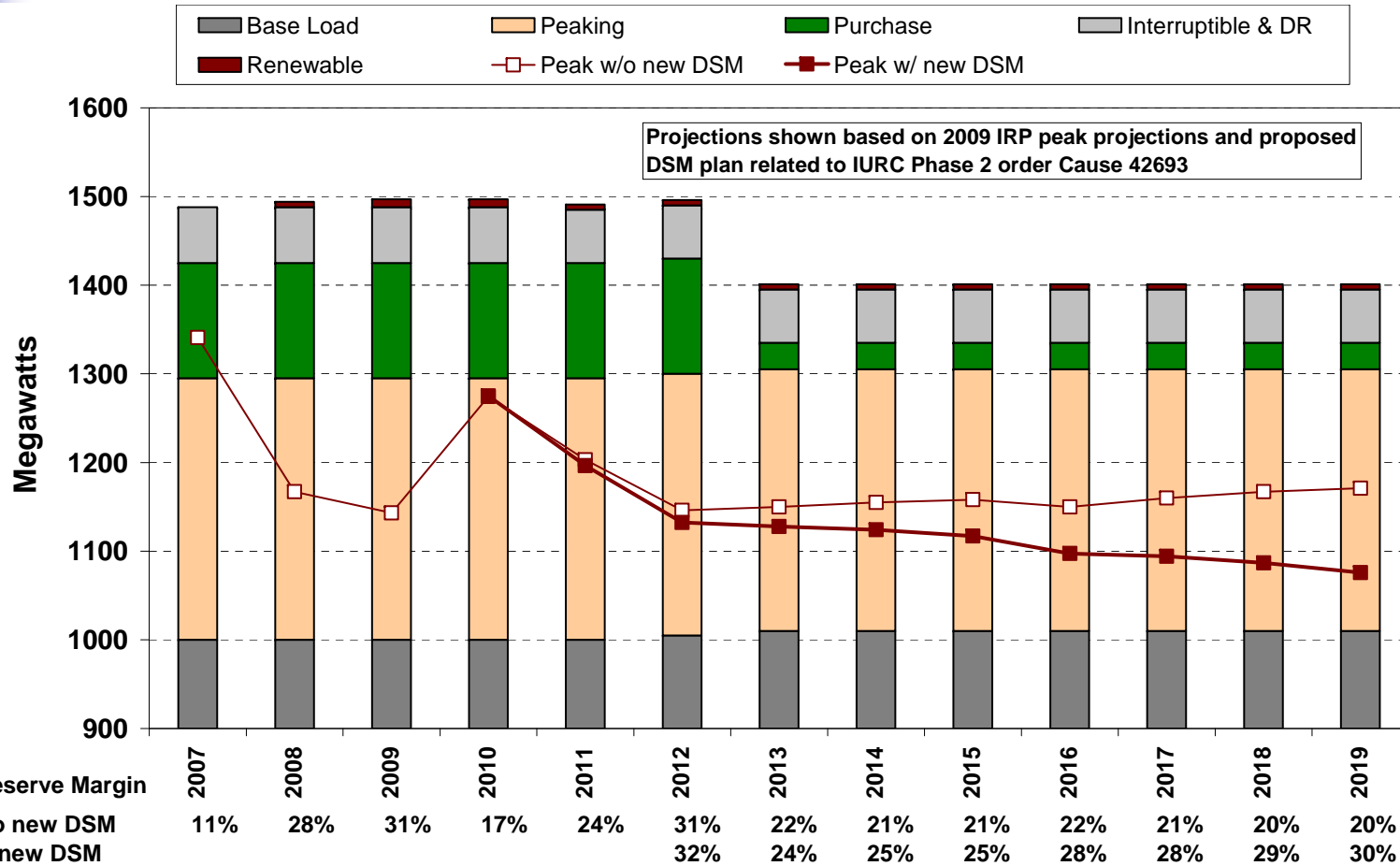
- System Capability (see Appendix)	1431 MW
- Interruptible / Demand Response	<u>60</u> MW
- Total Capability	1491 MW
<b>2011 PROJECTED PEAK</b>	1136 MW
<b>-firm wholesale</b>	<u>67</u> MW
	1203 MW
Reserve Margin (24%)	288 MW
Capacity Margin (19%)	228 MW

# Electric Reliability

## June through September Steam System Equivalent Availability



# FUTURE DEMAND



Peak contribution of firm wholesale: 57MW expires end of 2011, 10MW expires end of 2015



## CONCLUSION

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Vectren is prepared and confident in our ability to meet the electric needs of our customers in Southwest Indiana

- High plant availability
- Transmission Investments
- 24% reserve margin
- 19% capacity margin



## VECTREN CONCERNS

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- Customers Ability to Pay Bills
- Lack of cost effective technically feasible solution to GHG regulations
- Transmission Cost Allocation
- Major Weather Event
- New regulation/legislation that does not credit plants that have already made environmental investments

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# Environmental Compliance Planning

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- **Clean Air Transport Rule (CATR)**
  - Vectren fleet is well positioned to comply with rules as currently proposed
- **Hazardous Air Pollutants (HAPs)**
  - Vectren fleet is well positioned to comply with rules as currently proposed
- **Clean Water Act 316(b)**
  - Anticipate ability to comply with draft regulation without significant plant modifications
    - A.B. Brown Station: Cooling Towers
    - F.B. Culley Station and Warrick 4: once through cooling systems on Ohio River
- **Ash Disposal Regulations**
  - Completed dry fly ash conversions and participating in beneficial re-use
  - Concerns that new regulations could require premature and costly closing of existing impoundments



# MISO Related Activities

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- **Transmission Reliability**
  - Significant investments in the transmission system
    - Interchange Capability improvement of approximately 200 MWs above 2010 capability
      - AB Brown to Big Rivers Reid Station 345 kV line to be completed in 2012
  - System Reliability
    - Alcoa Warrick Operations reliability enhancements
    - SCADA communications enhancements

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## Cyber Security

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- Vectren safeguards both customer and corporate data using a series of protections to detect and thwart cyber threats
  - Systems and procedures are monitored and tested regularly
  - Vendors proactively update systems to enhance integrity
- Vectren has developed a robust Critical Infrastructure Protection (CIP) program to comply with NERC requirements
  - Cross Department teams to include TSO, Generation, Engineering, IT, HR, Corporate Security, and others have been established.
  - Policies and procedures developed
  - Staff members have been added to ensure compliance
  - Reliability First audit completed during 2010





# Electric DSM Programs

- **Actively engaged with Demand Side Management Coordination Committee (DSMCC) in support of Phase II generic DSM Order in Cause No. 42693**
- **Third party statewide program administrator and evaluation administrator selections currently being challenged by interveners**
- **Core Plus programs currently offered (implemented in 2010)**
  - Residential Refrigerator & Window A/C Recycling
  - Residential New Construction
  - Commercial New Construction
  - Commercial Audit & Custom Efficiency
- **Core programs currently offered**
  - Residential Lighting (implemented in 2011)
  - Low Income Weatherization (implemented in 2011)
  - School Education (implemented in 2010)
- **Core programs planned for implementation in 3<sup>rd</sup> quarter 2011**
  - Residential Audit & Direct Install
  - Commercial & Industrial Prescriptive
- **Vectren estimated MWh savings goals:**
  - 2011 – 38,098\*
  - 2012 – 46,506\*
  - 2013 – 56,046\*

\*Dependent upon approval of Cause No. 43938 and DSMCC selected statewide Third Party Administrator (TPA) to meet savings targets



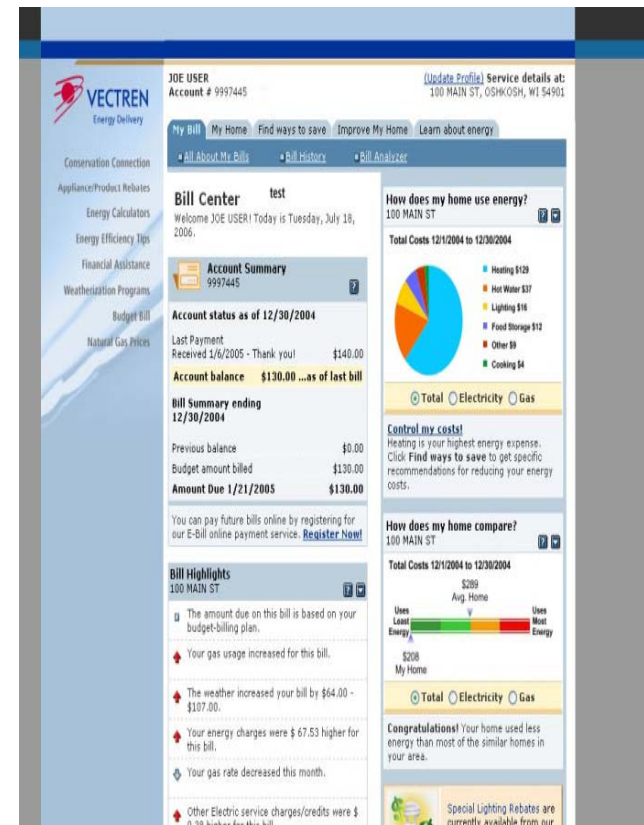
# 2011 Electric DSM Programs

Program	Participants/Measure s	Energy Savings (MWh)	Peak Demand Savings (kW)	Annual Budget (\$000)
Residential Refrigerator Recycling	1,200	1,976	228	\$270
Residential Window A/C Recycling	200	21	180	\$28
Residential New Construction	25	24	5	\$120
Residential HVAC	1,520	737	412	\$472
Residential Multi-Family	1,500	1,056	168	\$213
Residential Lighting*	97,000	6,596	388	\$806
Low Income Weatherization*	435	844	113	\$1,247
School Education*	3,200	1,984	346	\$472
Residential Audit & Direct Install*	2,500	1,760	280	\$631
Residential Behavioral Savings	24,250	6,790	1,213	\$420
<b>Total Residential</b>	<b>131,830</b>	<b>21,788</b>	<b>3,333</b>	<b>\$4,679</b>
Commercial & Industrial Custom	124	2,053	357	\$824
Commercial & Industrial Prescriptive*	1,033	13,697	2,066	\$2,079
Commercial & Industrial New Construction	20	560	108	\$311
<b>Total Commercial &amp; Industrial</b>	<b>1,177</b>	<b>16,310</b>	<b>2,531</b>	<b>\$3,214</b>
<b>Total Program Targets</b>	<b>133,007</b>	<b>38,098</b>	<b>5,864</b>	<b>\$7,893</b>

\*Pending approval of Cause No. 43938

# Online Conservation Tools

- Tools include-
  - Bill Analyzer
  - Online Energy Audit
  - Conservation Tips
  - Rebate Information
  
- The monthly average number of customer “hits” for the bill analyzer/energy audit is nearly 5,000





# Appendix

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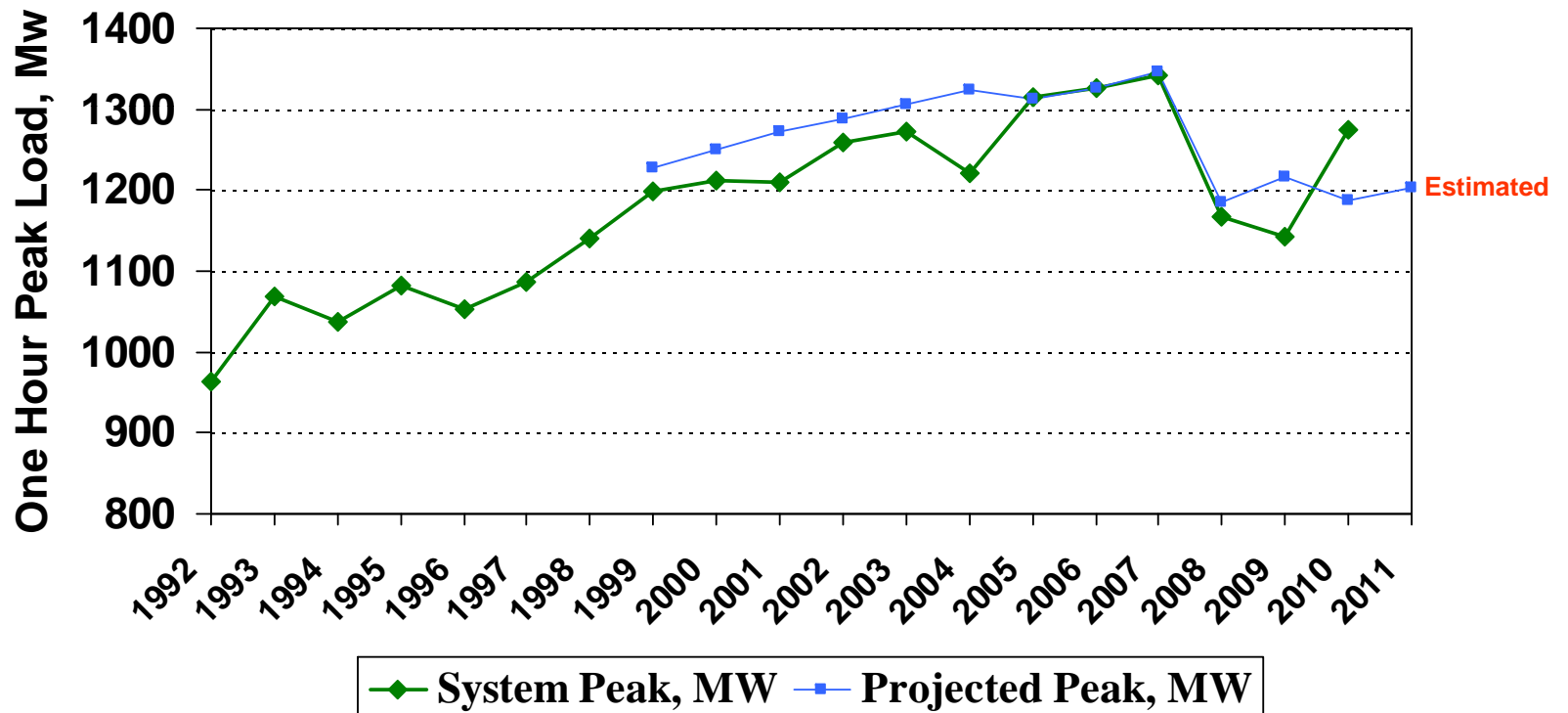


## Vectren System Capacity Summer Supply Resources

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- Coal Generation	1000 MW
- Combustion Turbine	295 MW
- OVEC (Ohio Valley Electric Corporation)	30 MW
- Purchased Capacity	100 MW
- <u>Renewable Capacity Credit (per MISO)</u>	<u>6 MW</u>
Supply Side Resources	1431 MW
- Interruptible Customers / Demand Response	<u>60</u> MW
TOTAL	1491 MW

# Summer Peak Load Demand Forecast



2009 economic conditions

2010 weather (102 degF peak day)

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## Contingencies to Meet Summer Projected Peak

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- |                                 |                 |
|---------------------------------|-----------------|
| - MISO Contingency Reserves     | MISO Controlled |
| - Capacity Contract             | 100 MW          |
| - Contractual Capacity Reserves | 60 MW           |
| - Industrial Interruptible      |                 |
| - Direct Load Control           |                 |
| - Internal Use Reduction Plans  | 10 MW           |
| - Conservation Request          | 30 MW           |
| - Emergency Load Reduction Plan | Last Resort     |

# Electric Reliability

## Transmission / Distribution (excluding major events)

• SAIDI (Minutes)	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
	137	151	89	133	110	89
• SAIFI (Outages)	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
	1.68	1.51	1.23	1.42	1.20	1.02
• CAIDI (Minutes)	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
	82	100	72	94	92	88

## Generation

• EFOR –Equivalent Forced Outage Rate (percentage)	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
•Culley	6.73	3.34	4.69	5.61	11.49	7.48
•Brown	3.67	3.62	4.47	4.87	3.45	10.47
•Warrick	10.39	10.33	15.24	10.54	6.32	6.46