

2008 Summer Capacity Survey

Lee Wilmes

Vice President, Power Supply

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Summer Actions

- Historic/Forecasted Peaks
- Capacity Supply Assessment
- Generation Resources
- Demand Side Programs
- Supply Assessment
- Emergency Preparedness

WVPA Membership



- 28 Distribution Cooperative in 4 states
- Operates in both MISO & PJM
- Load in seven Balancing Authorities
- Not segregated into separate state operating companies
- Member of Reliability First Regional Entity

2007 Historic Peak Demand

Summer Peak 2007

Date: 8/7/2007

Time: HE 19:00 EDT

Peak Demand System: 1,746 MW

Peak Demand Indiana: 1,240 MW

WVPA's average annual peak growth has been 8.4% and energy growth has been 9.7% over the past five years. The majority of that growth is the result of the addition of four more distribution cooperatives to the membership of WVPA. Additional recent growth has been the addition of several ethanol plants.

2008 Peak Demand Projections

	<u>June</u>	<u>July</u>	<u>August</u>
Indiana	1,290	1,404	1,369
Non-Indiana	489	543	542
Firm Sales	<u>158</u>	<u>158</u>	<u>158</u>
Total Peak	1,937	2,105	2,069
Less Interruptible Load	<u>(180)</u>	<u>(195)</u>	<u>(195)</u>
Total	1,757	1,910	1,874

Resources

- Two Types of Readiness:
 - Regulatory Capacity
 - Peak Energy Price Hedge

2008 Capacity Reserve Margin

	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>
Reserve Margin	11.3%	15.5%	13.4%	18.8%	17.2%

PJM - Secured and Supplied Capacity Requirements in RPM Market

MISO – Met Module E Requirement of PRSG set 14.3%

2008 Reserve Margin: **15.90%**

2008 Power Supply Resources

	<u>June</u>	<u>July</u>	<u>August</u>
Firm			
Owned	156	156	156
Purchased	<u>1,003</u>	<u>1,021</u>	<u>1,015</u>
Total Firm	1,159	1,177	1,171
Unit Contingent			
Owned	464	464	464
Purchased	<u>417</u>	<u>417</u>	<u>417</u>
Total Unit Contingent	<u>881</u>	<u>881</u>	<u>881</u>
Energy Supply	2,040	2,058	2,052
Capacity Purchase	<u>175</u>	<u>175</u>	<u>175</u>
Total Resources	2,215	2,233	2,227

2008 Power Supply Purchases

	<u>June</u>	<u>July</u>	<u>August</u>
Unit Contingent-Coal	250	250	250
Unit Contingent-Natural Gas	150	150	150
Unit Contingent-Diesel	9	9	9
Unit Contingent-Wind	8	8	8
Firm 7x24 Physical	345	345	345
Firm Schedulable	135	135	135
Firm Full Requirements	423	441	435
Call Option NG Physical	100	100	100
Capacity	<u>175</u>	<u>175</u>	<u>175</u>
Total Purchases	2,215	2,233	2,227

2008 Owned Resources

	<u>June</u>	<u>July</u>	<u>August</u>
<u>Coal</u>			
Gibson 5	156	156	156
<u>Pet Coke</u>			
Wabash River 1(net)	204	204	204
<u>Landfill Gas</u>			
Deer Croft	3	3	3
Deer Croft II	3	3	3
Prairie View	3	3	3
Prairie View II	3	3	3
Twin Bridges 2	3	3	3
Twin Bridges 1	3	3	3
Jay	2	2	2
Liberty	3	3	3
Oak Ridge	3	3	3
<u>Natural Gas</u>			
Lawrence Gen(8)	86	86	86
Vermillion Peaking	148	148	148
Total Owned	620	620	620

Demand Side Programs

<u>Program</u>	<u>Switches</u>	<u>MW</u>
Water Heater	60,000	20
Air Conditioners	6,500	8
Other		10
Customer Payback		<u>2</u>
Total		40

Large Industrial Interruptible 195

- Working with OUCC on Demand Response Market Potential Study

Emergency Preparedness

- WVPA operates in seven balance authorities:
 - AEP, Cinergy, IPALCO, NIPSCO, Ameren-IL, Ameren-MO, and Consumers
- WVPA operates in two RTO's, MISO and PJM
- WVPA does not directly operate transmission
- Initiated coordination with balance authorities to provide appropriate WVPA emergency response.

Conclusion

- WVPA believes it has adequate resources to meet our member's needs during the summer of 2008.