

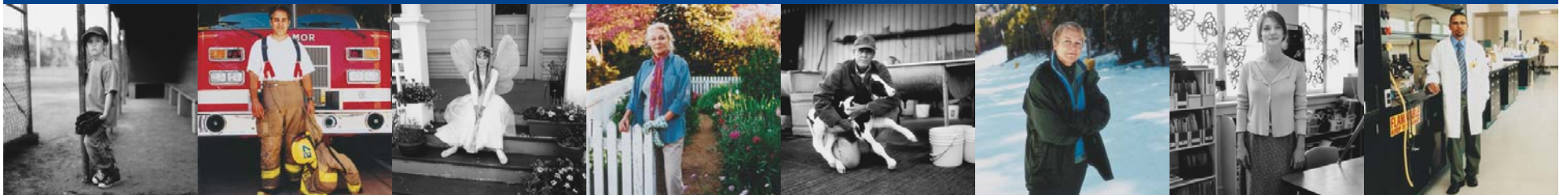
2007

Summer Capacity Survey

May 30, 2007

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Supply

Wabash Valley Power Association



Summer Actions

- Historic/Forecasted Peak
- Generation Resources
- Demand Side Control
- Adequate Generation Supply
- Emergency Preparedness

2006 - Historical Summer Peak

2005

1358 MW

2006

1450 MW

- 2006 Peak: July 31, Hour Ending 6:00 PM
- August 1,2: MISO Declared NERC Energy Emergency Alert Level 2
- WVPA Reduced Load 15-20 MW with Combined Public Appeals

2007 Summer Peak Projections

	<u>June</u>	<u>July</u>	<u>August</u>
Indiana	1,021	1,101	1,084
Non-Indiana	<u>434</u>	<u>471</u>	<u>445</u>
Total Native Load	1,455	1,572	1,529
Firm Sales ⁽²⁾	<u>150</u>	<u>150</u>	<u>150</u>
Total	1,605	1,722	1,679

Includes 2007 Addition of Citizens Electric in Missouri

(2) Includes 50 MW Financial Sale

2007 Power Supply Resources

	<u>June</u>	<u>July</u>	<u>August</u>
Firm			
Owned	156	156	156
Purchased	<u>1,163</u>	<u>1,231</u> ⁽²⁾	<u>1,227</u> ⁽²⁾
Total Firm	1,319	1,387	1,383
Unit Contingent			
Owned	255	255	255
Purchased	<u>217</u>	<u>417</u>	<u>417</u>
Total Unit Contingent	472	672	672
Total Resources	1,791	2,059	2,055

(2) Includes 100 MW Financial Purchase.

2007 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 5x16 Physical	25	25	25
Firm 5x16 Financial	0	50	50
Firm 7x24 Physical	400	400	400
Firm Schedulable	135	135	135
Firm Full Requirements	228	246	242
Call Option NG Physical	0	50	50
Call Option NG Financial	0	50	50
Call Option Fixed Price	0	100	100
Capacity	<u>175</u>	<u>175</u>	<u>175</u>
Total Purchases	1,380	1,648	1,644

2007 Owned Resources

	<u>June</u>	<u>July</u>	<u>August</u>
<u>Coal</u>			
Gibson 5	156	156	156
<u>Landfill Gas</u>			
Deer Croft	3	3	3
Prairie View	3	3	3
Twin Bridges 2	3	3	3
Twin Bridges 1	3	3	3
Jay	3	3	3
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	411	411	411

Demand Side Programs

<u>Program</u>	<u>Switches</u>	<u>MW</u>
Water Heater	61,000	28
Air Conditioners	5,500	5
Customer Payback		<u>5</u>
Total		38

- Working with OUCC/IURC on Demand Response Market Potential Study

2007 Reserve Margin

$$\frac{\text{July Non-Financial Resources}}{\text{July Non-Financial Sale+ Peak Load}} = \frac{1,959 \text{ MW}}{1,672 \text{ MW}}$$

= 17.2% 2007 Reserve Margin

- A significant share of WVPA Resources are Firm

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.



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