IPL's 2007 Summer Capacity

Presentation to IURC

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An AES Company

Presentation Overview

- Customer demand assessment
- Supply resources
- Reserve margins
- Customer Demand Response options
- Residential energy efficiency programs
- IPL generation
- Power Purchases
- MISO Market

IPL Historical Summer Peaks

	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>
MW	2,892	2,915	3,118	3,116
Date	Aug 26	July 22	July 25	July 31
Hour	5:00 PM	4:00 PM	4:00 PM	4:00 PM
Temp.	89°F	88°F	95°F	93°F

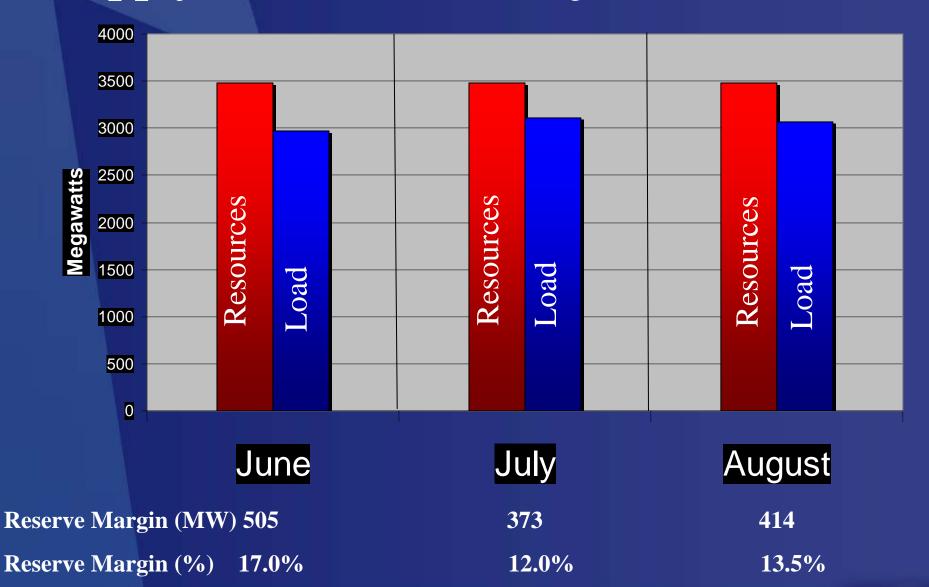
IPL 2007 Summer Projected Peaks (MW)

	<u>June</u>	<u>July</u>	<u>August</u>
Total Demand	3,063	3,195	3,154
Demand Response	89	89	89
Net Demand	2,974	3,106	3,065

Supply Resources 2007 (MW)

Total Supply Resources	3,479
Scrubber Option	19
Power Purchases	173
Perry K (CTE)	5
IPL Owned Generation	3,282

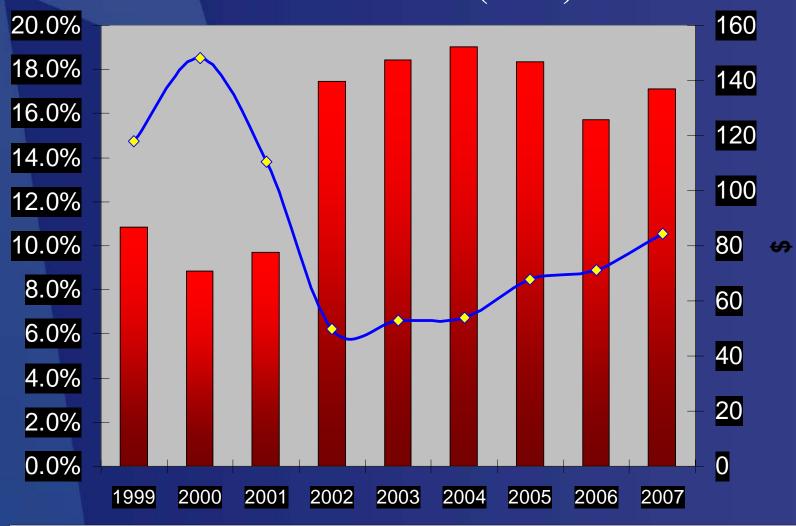
Supply Resources vs. Projected Peak Load



IPL & RFC/MISO Reserve Margins Summer 2007

	<u>June</u>	<u>July</u>	August
IPL Reserve Margin %	17.0%	12.0%	13.5%
Reliability First %	29.0%	20.7%	24.7%
MISO %		23.2%	

Capacity Margin vs. Forward Market Prices ECAR/RFC(2007)



■ ECAR/RFC % Capacity Margin → July/Aug 5X16 Forward Market Prices (\$)

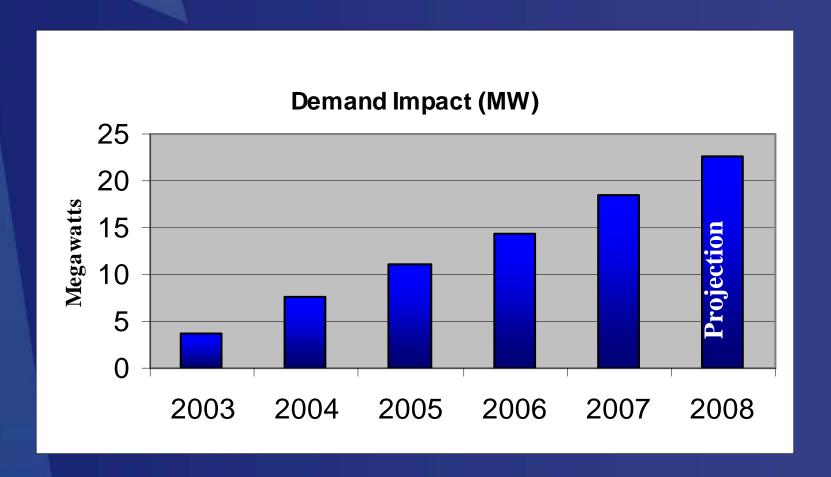
Customer Demand Response Options Summer Demand Impacts (MW)

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	<u>2005</u>	<u>2006</u>	<u>2007</u>
Real-time interruptible	12	12	12
Customer-owned generation	34	42	42
Interruptible with notice	15	7	7
Low load factor interruptible	9	10	10
Air Conditioning Load Mgmt	11	14	18
Total	81	85	89



Demand Response-ACLM "CoolCents"





Residential Energy Efficiency Programs

- Income qualified weatherization
- High efficiency heat pump and air conditioner incentives
- Energy efficiency education
- Renewable energy education

Schmidt & Associates PV system





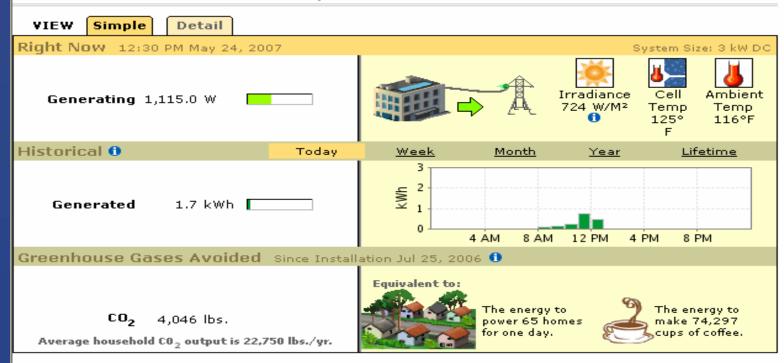
Third Sun Solar & Wind







Schmidt Associates — Indianapolis, IN



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IPL Generation

Petersburg – 1,760 MW

Unit	Fuel	Output (MW)	Environmental Controls
Unit 1	Coal	232	FGD, NN
Unit 2	Coal	435	FGD, SCR
Unit 3	Coal	540	FGD, SCR
Unit 4	Coal	545	FGD, LNB
DG	Diesel	8	

IPL Generation Harding Street – 1,102 MW

Unit	Fuel	Output (MW)	Environmental Controls
Units 3 & 4	Oil	70	New York (NO
Unit 5	Coal	106	SNCR, NN
Unit 6	Coal	106	SNCR, NN
Unit 7	Coal	435	SCR (FGD)
CTs 1-3	Oil	60	
CT 4	Oil/Gas	82	
CT 5	Oil/Gas	82	
CT 6	Gas	158	200
DG	Diesel	3	

IPL Generation Eagle Valley – 341 MW

Unit	Fuel	Output (MW)	Environmental Controls
Units 1 & 2	Oil	78	
Unit 3	Coal	43	
Unit 4	Coal	56	LNB
Unit 5	Coal	62	LNB
Unit 6	Coal	99	NN
DG	Diesel	3	



IPL Generation Georgetown

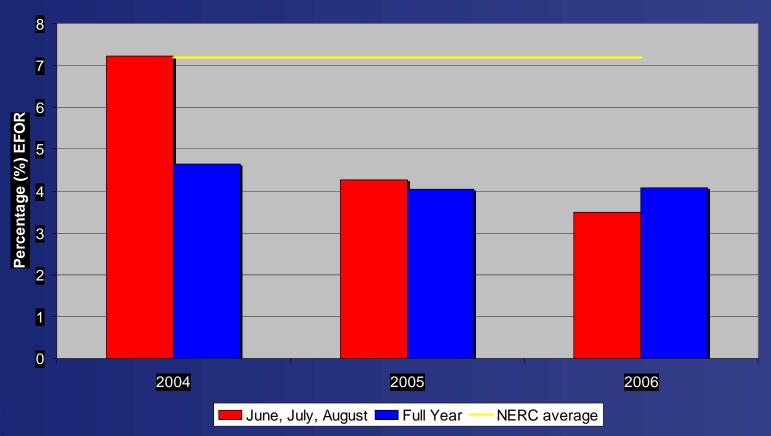
Unit	Fuel	Output (MW)
GT 1	Gas	79

Georgetown is a 4 unit plant:

GT 2 & 3 owned by IMPA

GT 4 owned by DTE Energy [Purchase by IPL is pending]

Equivalent Forced Outage Rate(EFOR)



EFOR is an industry measure that represents the effect on unit reliability due to unit forced outages and/or unplanned derates.

Power Purchases

- 73 MW Unit Power Purchase
 - May—September 2007
 - With DTE Energy for Georgetown Unit 4
- 100 MW Power Purchase
 - May—September 2007
 - Backed by peaking capacity in MISO

MISO Market

- Successful transition from prior bi-lateral market despite record setting summer peak demands in 2005
- Provides near real-time economic dispatch of IPL generation with generation supply of entire MISO footprint
- Actively involved at MISO

MISO Energy Emergency Alert 2

- EEA2 issued: August 1 and 2, 2006
- Requested member companies to make emergency units available
- Public appeal
- IPL responded as requested
 - Actually called on customers to interrupt, curtail, or exercise other forms of DR on 7/31, 8/1, and 8/2
 - IPL experienced no operating difficulties

Summary

• IPL's Resource Portfolio of Owned Generation, Demand Response Options, and Power Purchases will support projected summer 2007 customer load requirements.