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Year	On-Peak	PJM - AD	Annual	Off-Peak	All Hrs	ERCOT South	SPP	CAPP CSX	Annual
2005	Jan-05	2005	2005	2005	2005	2005	2005	2005	2005
2006	Feb-05	2006	2006	2006	2006	2006	2006	2006	2006
2007	Mar-05	2007	2007	2007	2007	2007	2007	2007	2007
2008	Apr-05	2008	2008	2008	2008	2008	2008	2008	2008
2009	May-05	2009	2009	2009	2009	2009	2009	2009	2009
2010	Jun-05	2010	2010	2010	2010	2010	2010	2010	2010
2011	Jul-05	2011	2011	2011	2011	2011	2011	2011	2011
2012	Aug-05	2012	2012	2012	2012	2012	2012	2012	2012
2013	Sep-05	2013	2013	2013	2013	2013	2013	2013	2013
2014	Oct-05	2014	2014	2014	2014	2014	2014	2014	2014
2015	Nov-05	2015	2015	2015	2015	2015	2015	2015	2015
2016	Dec-05	2016	2016	2016	2016	2016	2016	2016	2016
2017	Jan-06	2017	2017	2017	2017	2017	2017	2017	2017
2018	Feb-06	2018	2018	2018	2018	2018	2018	2018	2018
2019	Mar-06	2019	2019	2019	2019	2019	2019	2019	2019
2020	Apr-06	2020	2020	2020	2020	2020	2020	2020	2020
	May-06								
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	NYMEX		Coal		I-Basin		Annual	
	Annual	NAPP High Sulfur	Annual	NAPP Med Sulfur	Annual	I-Basin	PRB 8800	PRB 8400
Jan-05	2005		2005		2005			2005
Feb-05	2006		2006		2006			2006
Mar-05	2007		2007		2007			2007
Apr-05	2008		2008		2008			2008
May-05	2009		2009		2009			2009
Jun-05	2010		2010		2010			2010
Jul-05	2011		2011		2011			2011
Aug-05	2012		2012		2012			2012
Sep-05	2013		2013		2013			2013
Oct-05	2014		2014		2014			2014
Nov-05	2015		2015		2015			2015
Dec-05	2016		2016		2016			2016
Jan-06	2017		2017		2017			2017
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Mar-06	2019		2019		2019			2019
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Annual HH AD Hub PJM Classic HSC

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Annual AD - HR

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Annual ERCOT - HR SPP - HR

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Year	On-P (HH) REV 1-05		PJM - AD		ERCOT South		SPP	
	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak
2005								
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Year	CAPP		CSX		NYMEX		Coal		NAPP High NAPP Med I-Basin		PRB 8800 PRB 8400	
	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak	On-Peak	Off-Peak
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	Henry	AD Hub	Natural Gas	PJM Class	HSC	Swing Service	Adder	SO2	NOX	AD - HR	ERCOT - F	SPP - HR
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Jan-05						
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	PEAK	SAT	SUN	NIGHT
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KPSC CASE NO. 2005-00341
KIUC 1ST SET DATA REQUESTS
ITEM NO. 38

AEP SYSTEM – (EASTERN REGION)
KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05
JULY 2005 – DECEMBER 2007

PROMOD IV INPUT ASSUMPTIONS

Assumption

Data Used

6) Purchases:

7) Fuel Costs:

(Continued next page)

AEP SYSTEM – (EASTERN REGION)
KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05
JULY 2005 – DECEMBER 2007

PROMOD IV INPUT ASSUMPTIONS

<u>Assumption</u>	<u>Data Used</u>
8) Maintenance:	
9) Nuclear (Cook):	
10) Hydro-Electric	
11) O&M -- Variable & Fixed and Fuel Handling:	
12) Heat Rates:	
13) Compliance Plan:	

(Continued next page)

AEP SYSTEM – (EASTERN REGION)
KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05
JULY 2005 – DECEMBER 2007

PROMOD IV INPUT ASSUMPTIONS

<u>Assumption</u>	<u>Data Used</u>
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14) Expansion Plan:

15) New Unit Characteristics for Unit:

16) Unit Retirements:

(Continued next page)

AEP SYSTEM – (EASTERN REGION)
KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05
JULY 2005 – DECEMBER 2007

PROMOD IV INPUT ASSUMPTIONS

<u>Assumption</u>	<u>Data Used</u>
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17) Capacity Re-Rates:

18) Minimum Load:

19) Unit Run Status:

(Continued next page)

AEP SYSTEM – (EASTERN REGION)
KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05
JULY 2005 – DECEMBER 2007

PROMOD IV INPUT ASSUMPTIONS

<u>Assumption</u>	<u>Data Used</u>
20) Unit Characteristics – Robert P Mone	
21) Rockport Ownership:	
22) Demand Cost: (for CP&B Use Only)	
23) Member-Load-Ratio: (for CP&B Use Only)	

AEP Eastern Fleet

Anticipated Capacity Changes Incorporated into Long-Range Planning

Table 1

Unit / Amount / Timing

	Capacity Rating (MW)	HP/1st RH Turbine ADSP Improvement (8 600-series MW)	In-Service Date	HP/1st RH Turbine ADSP Improvement (12-MW)	In-Service Date	Main Stop Valve - MSV/CY Changeout (61-MW)	In-Service Date	FGD Derate (MW)	Net (MW) after FGD	In-Service Date	LPT Rotor Upgrade 41-MW	In-Service Date
Amos 3												
Cardinal 1												
Cardinal 2												
Cook 1												
Gavin 1												
Gavin 2												
Mitchell 1												
Mitchell 2												
Mountaineer 1												
Stuart 3												
Stuart 4												

Source: FGD retrofit reductions, future turbine upgrades and main stop valve (MSV) per M. J. Mudd (3/18/05).
 Stuart Units 1-4 FGD in-service dates per M. E. Guerriero of DP&L, (6/23/05) maintenance schedule.

REDACTED

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KIUC 1ST SET DATA REQUESTS
ITEM NO. 42





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