Exhibit No.
Issue: Fuel & Purchased Power Expense;
Interim Energy Charge
Witness: Brad P. Beecher
Type of Exhibit: Rebuttal Testimony
Sponsoring Party: Empire District
Case No. ER-2002-424
Date Testimony Prepared: 9/24/02

FILED
SEP 2 4 2002
Missouri Public
Service Commission

Before the Public Service Commission
of the State of Missouri

Rebuttal Testimony

Of

Brad P. Beecher

September 24, 2002

TABLE OF CONTENTS

REBUTTAL TESTIMONY OF

BRAD P. BEECHER

THE EMPIRE DISTRICT ELECTRIC COMPANY

CASE NO. ER-2002-424

REBUTTAL TESTIMONY
OF
BRAD P. BEECHER
THE EMPIRE DISTRICT ELECTRIC COMPANY
BEFORE
THE MISSOURI PUBLIC SERVICE COMMISSION
CASE NO. ER-2002-424

I. Introduction

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. Brad P. Beecher. My business address is 602 Joplin Street, Joplin, Missouri.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

A. The Empire District Electric Company ("Empire" or "Company"). I am Vice President - Energy Supply.

Q. DID YOU FILE DIRECT AND SUPPLEMENTAL DIRECT TESTIMONY IN THIS CASE?

A. Yes, I did.

Q. WHAT IS THE PURPOSE OF THIS TESTIMONY?

A. The purpose of this testimony is two-fold. First, in Section II, in accordance with the Procedural Schedule issued in this case, I will provide an update to Empire's Fuel and Purchased Power ("F&PP") filing reflecting changes from twelve months ending December 31, 2001, to June 30, 2002. Second, I will provide testimony rebutting Staff Witness Mr. David Elliott's direct testimony on F&PP in this case and Graham Vesely's direct testimony on natural gas cost inputs.

Q. WHAT IS THE CURRENT F&PP EXPENSE POSITIONS OF THE STAFF AND EMPIRE?

A. Schedule BPB-1 provides a comparison of on-system expenses for Empire's filed position, Empire's updated position, Staff's filed position (Run 127), and Staff's Run 128 that was created as a result of the pre-hearing conference. The total on-system costs are summarized in the table below.

Table 1

Empire Filed	Empire Updated	Staff Filed (127)	Staff Updated (128)
$90,070,244	$88,069,402	$84,445,016	$84,952,361

As a result, the current difference between Empire's updated costs and Staff's updated costs is $3,117,041. This amount represents approximately $2.5 million on a Missouri jurisdictional basis.

Q. WILL YOU PLEASE SUMMARIZE THE MAIN POINTS THAT WILL BE ADDRESSED IN THIS TESTIMONY?

A. In this testimony I will compare and contrast Empire's filed F&PP position, Staff's filed F&PP position, and Empire's updated F&PP position. The most distinct differences between Staff's filing and Empire's updated position lie in the following three areas.

1. Spot market purchased power availability
2. Natural gas pricing
3. Natural gas transportation charges

These differences result in significantly understated total costs for F&PP in the Staff's model runs. I will present evidence to the Commission that the quantity of spot market purchased power utilized by Staff Witness Mr. Elliott are overly optimistic and do not correspond with Empire's historical operation. In addition, Staff is recommending gas costs based on historical twelve-month ending ("TME") June 30, 2002 prices instead of utilizing the known and measurable prices that Empire has already secured through its hedging program.

II. Update of On-System Energy Level of Expense

Q. WHAT IS THE UPDATED LEVEL OF EXPENSE FOR ON-SYSTEM F&PP THAT EMPIRE IS RECOMMENDING IN THIS CASE?

A. Empire recommends $88,069,402 without demand charges ($104,783,394 with demand charges) total Company for on-system F&PP expense for the projected energy requirements of 4,867,833 MWh. On a unitized basis without demand charges, expenses are predicted to be $18.09/MWh. This compares to an actual unitized cost without demand charges of $19.92/MWh for the calendar year 2001 and $18.94/MWh for twelve months ended June 30, 2002.

Table 2

Actual TME 12/31/01	Actual TME 6/30/02	Staff Filed (127)	Staff Updated (128)	EDE Updated	EDE Filed
19.92	18.94	17.35	17.45	18.09	18.37

Schedule BPB-2 provides a graphical comparison between actual twelve-month ending costs on a unitized basis without demand charges against Empire's filed position, Empire's updated position, Staff's filed position (Run 127), and Staff's Run 128

Q. WHAT UPDATES AND/OR REVISIONS DID EMPIRE MAKE IN ITS UPDATED MODEL RUN?

A. Empire made the following updates to effectuate the changes between test year ended December 31, 2001, and June 30, 2002, and to effectuate changes due to discussion with Staff during the pre-hearing conference.

1. Empire updated the cost of coal to represent actual coal and freight costs contractually effective as of June 30, 2002. Empire's inputs are now nominally equal to the Staff's model inputs.

2. Empire updated its natural gas prices to reflect our known and measurable costs for calendar year 2003. As of July 1, 2002, Empire had 9,300,000 MMBtu of natural gas contractual commitments for 2003 at an average commodity cost of $3.37/MMBtu. Our gas costs were updated from an average price of $2.94/MMBtu in our original filing that was based on hedged 2002 pricing. Hedged costs for 2003 are appropriate because the rates in this case most likely will not be effective until 2003 and they are known and measurable as a result of the contractual commitments. Empire's gas position report as of July 1, 2002, is attached as Schedule BPB-3.
3. Empire updated the modeling methodology for SLCC. In Empire's original filing, SLCC was modeled as a single unit. After reading the direct testimony of Mr. Elliott, changes were made to reflect the existence of two combustion turbines and to update the heat rate for the unit based on a year's worth of actual operating data.
4. Empire updated both the spot purchase power costs and spot purchased power availability. Due to changing gas prices, transmission constraints, and overall changes in the wholesale market, it was necessary to update the inputs to produce results more representative of the then current market. In addition, the actual costs for the Jeffrey Energy purchase were less than Empire's original estimate. These costs were reduced from $13.50/MWh in Empire's original filing to $12.50/MWh in Empire's revised filing.
5. Empire removed the undistributed and other costs from its ProSym model run and included them as an add-on outside the model to calculate Empire's total costs (See BPB-1). This change was made to more clearly define the differences between the Staff and Empire's model runs and to try to avoid either the duplication or omission of these costs.

6. Empire included Gas Supply Realignment ("GSR") charges of $267,333 assessed by Williams Gas Pipeline Central ("Williams") that were omitted from the original filing. GSR charges are essentially stranded costs that the Federal Energy Regulatory Commission ("FERC") allowed pipeline companies to bill their then existing customers. Empire has no discretion as to whether we pay the charges or not because they are FERC authorized. Additionally, Empire included commodity related (variable) charges for the delivery of natural gas of $327,023 that were not included in the original filing.

Paper copies of our input data files and summaries of the output are included as Schedule BPB-4.

III. Rebuttal of Staff Witness Mr. David Elliott's F&PP Expense

Q. WILL YOU PLEASE SUMMARIZE YOUR POSITION RELATING TO THE STAFF'S F&PP RUN AS FILED IN THIS CASE?

1. The Staff's total test year cost for F&PP on a unitized basis is so much lower than actual 2001 costs and twelve months ending June 2002 costs as to cast serious doubt on the validity of Staff's modeling. See Table 2 and Schedule BPB-2.
2. The natural gas price utilized in the Staff's fuel run is not representative of Empire's currently hedged position. In essence, by utilizing historical gas prices and ignoring our known and measurable contracts, Staff is disallowing our prudently incurred costs without presenting any evidence that the contracts were entered into imprudently.
3. The Staff failed to include a proper amount for the GSR charges assessed by FERC.
4. The Staff's filed F&PP computer model outputs produce an unrealistic and unwarranted number of start-ups on many of Empire's generating units. When trying to fix this problem during pre-hearing, the Staff's RealTime computer model produced illogical results.

5. The Staff's F&PP model predicts overly optimistic non-contract purchased power cost and availability.

Q. WHAT IS THE FIRST THING YOU USUALLY DO AS A FIRST ASSESSMENT OF F&PP MODELING?

A. In my experience over the past 14 years I have found that it is always appropriate to look at the overall result of a model as a first test to see if the model is creating realistic results. On a unitized basis without demand charges, Empire's actual costs were $19.92/MWh for the calendar year 2001 and $18.94/MWh for twelve-months ended June 30, 2002. This compares to Staff's filed position (Run 127) at $17.33/MWh, Staff's Run 128 at $17.45/MWh, Empire's original filing at $18.37/MWh and Empire's update of $18.09/MWh.

Schedule BPB-1 and Table 3 below provide a comparison of total Company F&PP costs (on-system and off-system) for Empire's filed position, Empire's updated position, Staff's filed position (Run 127), and Staff's Run 128 that was created during the pre-hearing conference.

Table 3

Actual 12/31/01	Empire Filed	Empire Updated	Staff Filed (127)	Staff Updated (128)
$118,907,322	$109,141,060	$111,305,671	$107,740,432	$108,247,777

In this particular instance, the costs recommended by both Empire and Staff are well below actually experienced twelve-month ending costs. As an initial assessment of reasonableness, I would want to examine both Empire's and Staff's model runs to determine the reason(s) for the decline in costs.

This understatement of predicted costs in comparison to actual costs is particularly disconcerting given the volatility of the natural gas market, the volatility of the wholesale power market, transmission constraints, and the fact that current law in Missouri does not allow for a fuel cost adjustment provision. As a result, if a particular cost of serving customers, say non-contract purchased power, is arbitrarily assumed to be too low in the setting of rates for Empire's Missouri customers, then the risk of the assumed price falls squarely on Empire's shareholders.

Understandably, there will be differences between actual and modeled expenses due to normal weather, unit outages, updated fuel prices, and updated contract purchased power prices. However, a difference of this magnitude should cause all parties great concern and should force all parties to look in detail at the assumptions driving the results. As Empire witness Jill Tietjen will testify, Staff's methodology for determining the availability of non-contract purchased power is the underlying flaw in Staff's model results.

Q. WHAT GAS PRICING DID STAFF UTILIZE IN THEIR MODELING?

A. According to Staff Witness Graham Vesely, the Staff utilized a gas price based on twelve months ended June 30, 2002, of \$3.29/MMBtu. The Staff's approach in its direct testimony guarantees that Empire will not recover its actual fuel costs for natural gas.

Since the last case, Empire has implemented an Energy Risk Management Policy attached as Schedule BPB-5 and added employees who specifically focus their efforts on the purchasing and hedging of power and natural gas. It is essentially the operating manual for our purchasing decisions and is designed to ensure that prudent decisions are made. In general, the Energy Risk Management Policy brings more sophistication and discipline to our fuel procurement. The Energy Risk Management Policy sets targets as to how much natural gas Empire must have hedged at any point in time. Empire had 9,300,000 MMBtu of natural gas commitments for 2003 at an average commodity cost of \$3.37/MMBtu compared to the Staff's inclusion of \$3.29/MMBtu. While on the surface this appears pretty close, the difference to Empire represents $723,073 total company ($585,000 Missouri jurisdictional), which are significant expenses to a company Empire's size.

The other disconcerting fact that has continued since at least the mid-1990's is Staff's ever-changing basis for establishing natural gas costs. I have been directly involved in cases where the Staff has recommended the twelve-month ending cost, or if the twelve-month ending cost didn't suit their needs they supported a three-year historical average. As outlined above, Empire contends that the known and measurable contractual commitments Empire has made should be included as the cost basis.

Q. HAVE YOU HAD DISCUSSIONS WITH STAFF RELATIVE TO NATURAL GAS TRANSPORTATION CHARGES?

A. Empire has had open discussions during and after pre-hearing with Staff Witness Graham Vesely regarding losses on the Williams pipeline, GSR charges, and the calculation of variable commodity charges. Empire is still in disagreement with Staff on their GSR position and still unclear on how Staff is calculating the losses and variable commodity charges.

Q. WHAT CHARGES ARE APPROPRIATE TO INCLUDE FOR LOSSES AND VARIABLE COMMODITY CHARGES?

A. As stated earlier, we have had open discussions with Staff attempting to calculate the appropriate expenses. Attached, as Schedule BPB-6 is an actual bill from Williams. The commodity charges are marked with a capital letter A. When these are applied to the gas usage in the Staff's Run 128 a total commodity charge of $259,998 is the result.

Also on this bill, marked with capital letter B, it can be seen that Empire is charged for losses on the William's pipeline. Attached, as Schedule BPB-6 is the portion of the

Williams tariff that supports the charges. The loss percentages are marked with capital letter C. Losses charges on Staff Run 128 should total $704,752.

The total cost of the variable commodity charges and the loss charges should equal $964,750 but only $864,326 was included in a revised Summary of F&PP Expense worksheet supplied by Staff and included as part of Staff Run 128.

Q. WHAT IS THE ISSUE WITH GSR CHARGES?

A. GSR charges are costs that the Federal Energy Regulatory Commission ("FERC") allowed pipeline companies to assess to their then existing customers. The total amount of GSR charges due from Empire was set by FERC. Attached, as Schedule BPB-7 is a copy of a bill that we receive on a monthly basis for GSR charges. As can be seen on the bill, the remaining balance due Williams for GSR charges as of August 1, 2002, was $135,000. Originally, Staff completely omitted GSR charges from their calculation. After discussions at pre-hearing conference Staff appears to have included $135,000 of the $267,333 actual charges in the test year. On one hand the Staff argues that twelve-month ending prices are the only gas prices appropriate ($3.29/MMBtu) and on the other hand, they choose to ignore actual test year charges of $267,333 because our obligation to pay the GSR charges will expire at a future date. This is wholly inconsistent.

Q. DID YOU SEE ANYTHING IN THE OUTPUT OF STAFF'S MODEL RUNS THAT EXPLAINED STAFF'S LOW OVERALL EXPENSE RECOMENDATION?

A. Yes, a couple of things. In Staff's filed position (Run 127), Staff's computer model results call for start-ups and stops on the 52-year-old Riverton 7 coal unit a total of 243 times (16 cold and 227 hot) and 183 times (7 cold and 116 hot) for 48-year-old Riverton 8 coal unit. These units haven't experienced more than a dozen starts a year in actual operations since the early 1990's. Schedule BPB-9 lists actual starts on these units each year since 1997.

Staff agreed that this mode of operation was not logical for these units and made a change in the RealTime model to fix the excessive starts. Unfortunately, the RealTime model produced unpredictable and illogical results.

Q. EXPLAIN WHAT YOU MEAN BY UNPREDICTABLE AND ILLOGICAL RESULTS.

A. The RealTime model was allowed to simulate Empire's system and produce the most economical output. In the Staff's filed simulation, the most economical solution RealTime could find included the unrealistic cycling of units 7 and 8. When Staff tried to correct the unrealistic number of starts on units 7 and 8, making units 7 and 8 "must run" in the computer model, the predicted expenses "reduced" $811,000. This is completely illogical since the most economical dispatching scenario (making units 7 & 8 "must run) should have been the most economical to begin with. The computer model could have chosen to make units 7 and 8 "must run" on its own in its original "most economical" run.

Q. WHAT OTHER AREAS OF CONCERN DID YOU HAVE WITH THE STAFF'S MODEL?

A. The other main concern I had with Staff's modeling was the pricing and availability of spot market purchase power and transmission. Empire witness Jill Tietjen will cover these topics in great detail. Schedules BPB-10 through BPB-22 present some of the data that describes my concerns with the Staff's modeling of spot purchase power. Either myself or someone under my direct supervision created all schedules included in my testimony. Schedules BPB-10 through BPB-22 are also presented in the rebuttal testimony of Jill Tietjen as Schedules JST-1 through JST-13.

IV. Summary

Q. PLEASE PROVIDE A SUMMARY OF YOUR TESTIMONY.

A. Differences between Staff's filed position (Run 127), Staff Run 128, Empire's original filed position, and Empire's updated position are reflected in Schedule BPB-1. There is currently about a $3.1 million dollar total company ($2.5 million Missouri jurisdictional) difference between Empire's position and Staff Run 128. Of the total, $132,333 relate to GSR charges, $723,073 due to gas pricing, and approximately $2.4 million due to assumptions on the pricing and availability on spot market energy that is not under contract.

Based on the evidence presented in this testimony, the Commission should adopt Empire's updated position of $111,305,671 as the total cost for F&PP (on and off system) because the Staff's results are neither representative or accurate.

Q. ARE THERE ANY ALTERNATIVES THE COMMISSION COULD CONSIDER IN THIS CASE INSTEAD OF TAKING A POSITION ON THE COMPLICATED ISSUES OUTLINED IN THIS TESTIMONY?

A. Yes. As outlined in my direct testimony, the Commission could choose to utilize an Interim Energy Charge ("IEC"). In Empire's last Missouri rate case (Case No. ER-2001-299), a rider termed the IEC was incorporated in Empire's rates to specifically address the volatility and unpredictability of purchased power and natural gas prices. The IEC was large enough that it tended to mask the differences in modeling results between Staff and Empire that are described in this testimony.

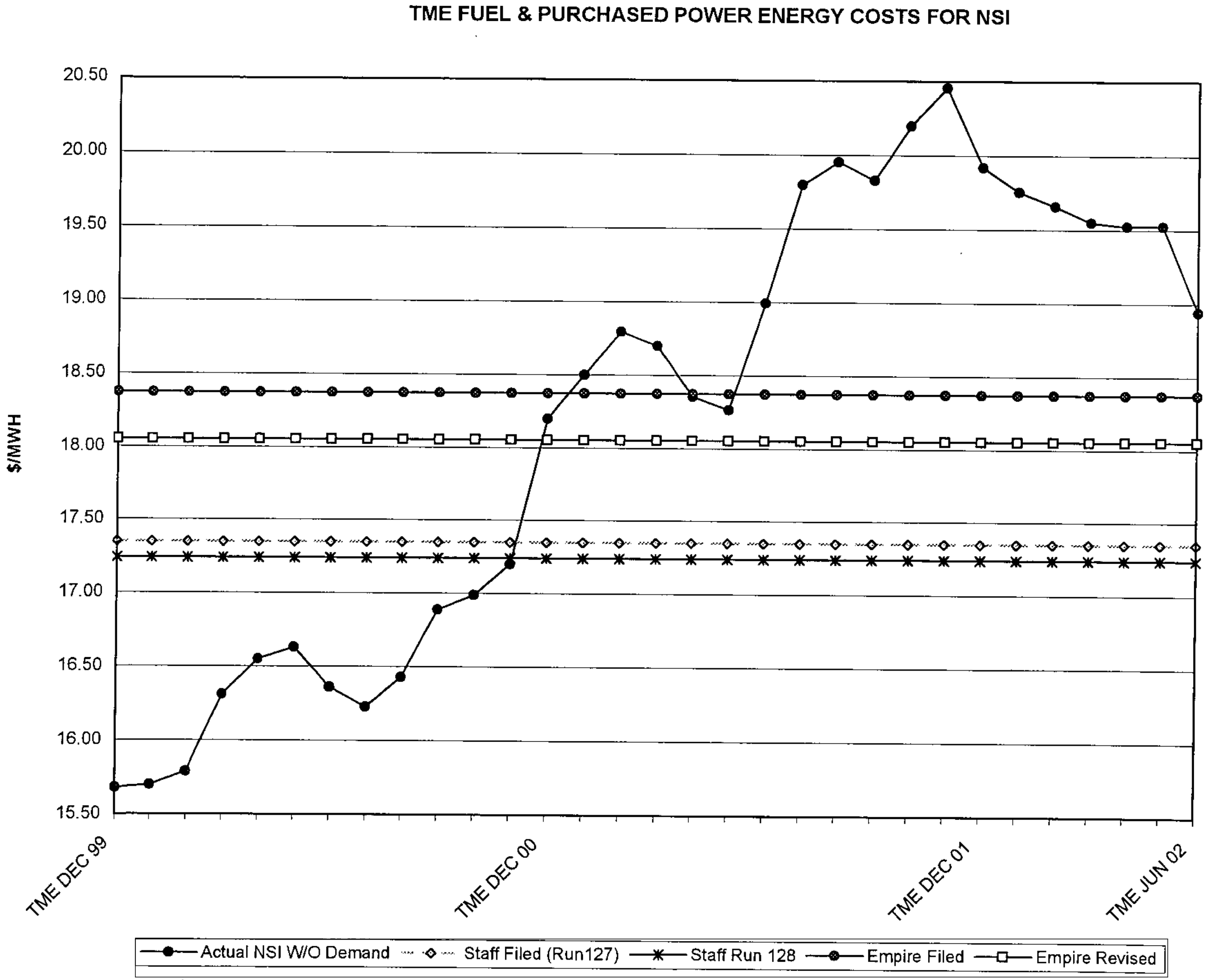
Q. DOES THIS CONCLUDE YOUR REBUTTAL TESTIMONY?

A. Yes, at this time.

Empire District Electric Company
Case No. ER-2002-424
Summary of Annualized Fuel & Purchased Power Expense

Revised 9/19/02

Description	Source of Annualized Value	Staff Filed Run 127	Staff Run 128	Empire Filed	Empire Adjusted
ON SYTEM MODEL OUTPUTS					
Annualized fuel	Fuel Run	$53,808,652	$54,571,006	$63,697,784	$63,472,000
Purchased power	Fuel Run	$26,119,012	$24,545,074	$20,782,000	$19,054,000
Western Adjustment	Discrepancy in TME Price		$276,662		
Total On System Model Outputs		$79,927,664	$79,392,742	$84,479,784	$82,526,000
FUEL TRANSPORTATION COSTS					
Gas Transportation-fixed	Current Contract Price	$3,285,044	$3,285,044	$3,285,044	$3,285,044
Gas Transportation-commodity related (variable)	Current Contract Price	$133,209			$327,023
Losses @ 2.37 percent	Gas Tariff		$864,326	$821,416	$909,427
Gas Supply Realignment (GSR)	12-mo Ended 6/30/02		$135,202		$267,333
Total fuel transportation		$3,418,253	$4,284,572	$4,106,460	$4,788,827
NON-DISTRIBUTED AND OTHER FUEL RELATED COSTS					
Fuel Handling - Nonlabor	Test Year - DR No. 255	$193,558	$193,559		$193,559
Asbury Unit Train Maint. Costs	Test Year - DR No. 55	$88,475	$88,475		$88,475
Rail Spur Costs	Test Year - DR No. 255	$77,549	$77,549		$77,549
Iatan Unit Train Maint. Costs	Test Year - DR No. 55	$10,617	$10,617		$10,617
Lease Iatan Unit Train	Test Year - DR No. 255	$115,216	$115,216		$115,216
Property Taxes - Unit Trains	Test Year - DR No. 255	$67,628	$67,628		$67,628
Lease Steel Train to Union Pacific	Test Year - DR No. 255	($675,000)	($675,000)		($675,000)
Lease Alum Unit Train	Test Year - DR No. 255	$598,125	$598,125		$598,125
Lease Train for Genwal Coal	Test Year - DR No. 255	$55,780	$55,780		$55,780
ARCO advance pymnt amortization	Test Year - DR No. 255	$567,151	$567,151		$567,151
Maintenance of Railroad	Test Year - DR No. 255		$79,263		$79,263
Other-Nonlabor	Test Year - DR No. 255		$96,684		$96,684
Total non-distributed and other fuel related costs		$1,099,099	$1,275,047	$1,484,000	$1,275,047
PURCHASE POWER DEMAND CHARGES					
Western Resources	Current contract	$16,193,520	$16,193,520	$16,193,520	$16,193,520
WR Off-line auxiliary	12-mo Ended 6/30/02	$57,549	$57,549		
Total demand charges		$16,251,069	$16,251,069	$16,193,520	$16,193,520
OFFSET in MWH (4,902,060 vs 4,867,833)					$520,472
TOTAL ON SYSTEM FUEL AND PURCHASE POWER (NSI)		$100,696,085	$101,203,430	$106,263,764	$104,262,922
OFF SYSTEM SALES					
Cost of off system sales (Fuel)	12-mo Ended 6/30/02	$1,700,820	$1,700,820	$317,999	$1,700,820
Cost of off system sales (Purchased Power Energy)	12-mo Ended 6/30/02	$3,630,018	$3,630,018	$847,170	$3,630,018
Off-system sales (Demand Charges)	12-mo Ended 6/30/02	$1,711,911	$1,711,911	$1,712,128	$1,711,911
Energy exchanged - SWPA	Test Year	$1,598	$1,598		
TOTAL OFF SYSTEM FUEL AND PURCHASE POWER		$7,044,347	$7,044,347	$2,877,297	$7,042,749
TOTAL FUEL AND PURCHASE POWER (NSO)		$107,740,432	$108,247,777	$109,141,061	$111,305,671
NSI $ w/out purchase power demand		$84,445,016	$84,952,361	$90,070,244	$88,069,402
NSI $/MWH w/out purchase power demand		17.35	17.45	18.37	18.09



Planning and Regulatory

Empire District Electric Gas Position Summary as of July 1, 2002	July 2002	August 2002	September 2002	Oct-Dec 2002	Jul-Dec 2002	Year 2003	Year 2004	Year 2005	Net All Years
Budget DTh	1,731,602	1,823,149	898,302	2,138,036	6,591,089	13,715,667	14,352,389	15,371,036	50,030,181
Expected DTh	1,082,000	1,119,000	493,000	1,035,000	3,729,000	13,715,667	14,352,389	15,371,036	47,168,092
Policy minimum hedged DTh (2)	865,600	895,200	394,400	828,000	2,983,200	8,229,400	5,740,956	3,074,207	20,027,763
Policy maximum hedged DTh	1,082,000	1,119,000	493,000	1,035,000	3,729,000	10,972,534	8,611,433	6,148,414	29,461,381
Amount Hedged from Upside Volatility Dth	2,212,000	1,126,000	490,000	1,030,005	3,732,005	9,300,000	6,600,000	1,800,000	21,432,005
percentage	**204%**	**101%**	**99%**	**100%**	**100%**	**68%**	**46%**	**12%**	**45%**
Amount Hedged from Downside Volatility Dth	2,212,000	1,126,000	490,000	1,030,005	3,732,005	9,300,000	6,600,000	1,800,000	21,432,005
percentage	**204%**	**101%**	**99%**	**100%**	**100%**	**68%**	**46%**	**12%**	**45%**
Bookout per physical Dth, all positions	2.534	2.541	2.681	3.042	2.729	2.114	-2.182	3.763	2.555
Average Cost per Dth hedged	**2.431**	**2.463**	**2.427**	**2.721**	**2.511**	**3.370**	**3.291**	**3.763**	**3.094**
Net All Positions Marked to Market $ (1)	1,311,350	650,930	302,370	816,452	2,430,172	3,804,060	3,611,900	186,000	10,032,132
PHYSICAL HEDGES									
Purchased DTh (3)	2,392,000	1,196,000	700,000	1,600,005	4,692,005	2,400,000	600,000	1,800,000	9,492,005
Purchased $	6,785,360	3,407,600	1,994,000	5,091,017	13,870,377	8,167,000	2,256,000	6,774,000	31,067,377
Purchased $/DTh	**2.837**	**2.849**	**2.849**	**3.182**	**2.956**	**3.403**	**3.760**	**3.763**	**3.273**
Market $	7,373,340	3,689,660	2,179,100	5,684,219	15,236,659	8,877,600	2,302,900	6,960,000	33,377,159
Market $/Dth (on Williams Pipeline)	**3.083**	**3.085**	**3.113**	**3.553**	**3.247**	**3.699**	**3.838**	**3.867**	**3.516**
Gain/(Loss) versus current market	587,980	282,060	185,100	593,202	1,366,282	710,600	46,900	186,000	2,309,782
FINANCIAL HEDGES									
Swap/Futures Dth Purchased	0	0	0	0	0	4,500,000	6,000,000	0	10,500,000
Net Cost, $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.096**	**3.244**	**0.000**	
Market $/Dth (at Henry Hub or Swap location)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.665**	**3.838**	**0.000**	
Swap Settlement - Receipt / (Payment)	-	-	-	-	-	2,559,000	3,565,000	-	6,124,000
Swap/Futures Dth Sold or Settle	980,000	470,000	210,000	570,000	1,760,000	0	0	0	1,760,000
Net Cost, $/Dth	**3.816**	**3.835**	**3.831**	**4.015**	**3.882**	**0.000**	**0.000**	**0.000**	
Market $/Dth (at Henry Hub or Swap location)	**3.241**	**3.245**	**3.273**	**3.623**	**3.368**	**0.000**	**0.000**	**0.000**	
Swap Settlement - Receipt / (Payment)	563,970	277,470	117,270	223,250	904,490	-	-	-	904,490
Call Dth (Buy a Call)	0	0	0	0	0	0	0	0	0
Call Strike $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Market $/Dth (at Henry Hub or Swap location)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Cost of Call $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Value $ of Call Position	-	-	-	-	-	-	-	-	0
(Cost) $ of Call Position	-	-	-	-	-	-	-	-	0
Collar Dth	800,000	400,000	-	-	800,000	2,400,000	-	-	3,200,000
Floor $/Dth	**2.615**	**2.620**	**0.000**	**0.000**	**2.615**	**3.350**	**0.000**	**0.000**	
Ceiling $/Dth	**2.915**	**2.920**	**0.000**	**0.000**	**2.915**	**4.000**	**0.000**	**0.000**	
Market $/Dth (at Henry Hub or Swap location)	**3.083**	**3.085**	**0.000**	**0.000**	**3.083**	**3.876**	**0.000**	**0.000**	
Cost of Floor $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Value of Ceiling $/Dth	**0.199**	**0.229**	**0.000**	**0.000**	**0.199**	**0.223**	**0.000**	**0.000**	
(Cost) / Value $ of Collar Position	159,400	91,400	-	-	159,400	534,460	-	-	693,860
Put Dth (Sell a Put)	0	0	0	0	0	0	0	0	0
Put Strike $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Market $/Dth (at Henry Hub or Swap location)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Revenue from Put $/Dth	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Value $ of Put Position	-	-	-	-	-	-	-	-	0
(Cost) $ of Put Position	-	-	-	-	-	-	-	-	0

Note 1: Market data using NYMEX Close Prices as of June 28, 2002.
Note 2: Policy minimums and maximums are 12/31/2002 targets
Note 3: Total contracts with Enron for the years 2002 and 2003 are cancelled and are therefore not included.

Build ID: 001582 Empire District Electric Company p. 1
PROSYM V3.3a0e Copyright 1988-1998 by Henwood Energy Services, Inc. P-124 3 iter Convergent Monte
2003: 12 Months thru Dec. EDE, Planning Year 2002 Scenarios, F&PP Budget

No.	Station	Energy GWh	Use Factr %	Strts	Fuel Burn GBtu	Heat Rate Btu/kWh	Hours per Unit	Fuel-or-Prch Cost c/MMBtu <F> $/MWh <P>	Fuel-or-Prch Cost $1000	Start Cost $1000	O&M Fixed $1000	O&M Varbl $1000	Opertg Cost $/MWh	Total Cost $/MWh	Total Cost $1000
1	Asbury 1	1309.7	94.1	11	14670.2	11201	7547	104.9	15391	28	0	786	12.35	12.37	16204
2	Asbury 2	1.0	1.0	29	18.1	18252	153	105.4	19	0	0	15	34.23	34.23	34
3	Riverton 7	150.1	80.0	12	1947.3	12971	7057	117.4	2286	12	0	150	16.23	16.30	2448
4	Riverton 8	276.8	80.8	4	3330.6	12034	7879	114.6	3818	4	0	277	14.79	14.81	4099
5	Riverton 9and10	27.5	12.0	21	501.3	18244	1243	343.0	1719	63	0	82	65.57	67.85	1864
6	Riverton 11	4.2	3.4	30	78.7	18709	491	344.5	271	46	0	13	67.45	78.27	329
7	Energy Center 1	44.8	7.5	66	782.6	17467	1245	343.0	2684	199	0	168	63.67	68.11	3051
8	Energy Center 2	30.6	5.1	52	532.4	17420	839	344.1	1832	156	0	115	63.69	68.79	2103
9	Energy Center 3	0.0	0.0	0	0.0	0	0	0.0	0	0	0	0	0.00	0.00	0
10	Energy Center 4	0.0	0.0	0	0.0	0	0	0.0	0	0	0	0	0.00	0.00	0
11	State Line 1	105.8	16.4	25	1272.9	12036	1243	344.0	4378	126	0	317	44.40	45.59	4821
12	SLCC 1x1	319.0	28.4	60	2413.6	7566	2793	341.5	8243	1678	0	1116	29.34	34.60	11037
13	SLCC 2x1	759.5	40.7	17	5578.5	7345	3768	344.4	19211	828	0	2278	28.29	29.38	22317
14	Iatan 1	573.5	96.3	13	5766.1	10055	7389	62.7	3618	31	0	344	6.91	6.96	3993
15	Ozark Beach	65.9	47.0	0			8760	0.00	0	0	0	0	0.00	0.00	0
16	AEP Purch	0.0	0.0	0	0.0	0	8760	0.0	0	0	0	0	0.00	0.00	0
17	KGE Purch	0.0	0.0	0	0.0	0	8760	0.0	0	0	0	0	0.00	0.00	0
18	WRI Purch 1	339.7	85.3	6			7346	12.49	4243	0	5398	0	12.49	28.38	9641
19	WRI Purch 2	313.5	78.7	6			7358	12.49	3915	0	5398	0	12.49	29.71	9313
20	WRI Purch 3	288.3	72.4	9			7226	12.49	3601	0	5398	0	12.49	31.21	8999
21	Off Peak 0	104.1	10.2	312			5685	19.64	2045	0	0	0	19.64	19.64	2045
22	On Peak 1	174.1	36.7	304			7119	28.24	4916	0	0	0	28.24	28.24	4916
23	unserved energy	0.0	0.0	0	0.0	0	8424	0.0	0	0	0	0	0.00	0.00	0
24	emergency purch	8.7	0.2	18			85	38.35	334	0	0	0	38.35	38.35	334
25	GasFT Storage	0.0	0.0	0	0.0	0	8760	0.0	0	0	0	0	0.00	0.00	0
26	train costs	0.0	0.0	0	0.0	0	8760	0.0	0	0	0	0	0.00	0.00	0
SYSTEM PRODUCTION		4896.7		997	36892.2	10241			82526	3169	16194	5662	18.01	21.96	107550

No.	Group	Energy GWh	Use Factr %	Strts	Fuel Burn GBtu	Heat Rate Btu/kWh	Hours per Unit	Fuel-or-Prch Cost c/MMBtu <F> $/MWh <P>	Fuel-or-Prch Cost $1000	Start Cost $1000	O&M Fixed $1000	O&M Varbl $1000	Opertg Cost $/MWh	Total Cost $/MWh	Total Cost $1000
Native Load		4885.3													
Dump Power		11.4												12.61	143
Tran. Losses		0.0													
LESS Resources (Exports):															
1	EDE Fuel	3602.3	46.1	340	36892.2	10241		172.0	63471	3169	0	5662	19.19	20.07	72302
2	Hydro	65.9	47.0	0				0.00	0	0	0	0	0.00	0.00	0
3	contract Purch	941.5	78.8	22				12.49	11760	0	16194	0	12.49	29.69	27953
4	non contract	286.9	5.3	634				25.43	7295	0	0	0	25.43	25.43	7295
5	all	0.0	0.0	0				0.00	0	0	0	0	0.00	0.00	0
Resource Totals		4896.7		997	36892.2	10241			82526	3169	16194	5662	18.01	21.96	107550
E.N.S.		0.0												94.56	0
SYSTEM														21.93	107407

Fuel Use Report

No.	Fuel	GBtu used	Commod $000	Volume1 $000	Volume2 $000	Demand $000	Total $000	c/GBtu average	Units used

Fuels Section

```
asb.wstl.coal
      FuelPrice        [2003m1] 99.3 [2003m9] 95.4
      HeatValueF       17.6   ! MMBtu/ton

 riv.wst.coal
      FuelPrice       [2003m1] 115.8 [2003m9] 111.8
      HeatValueF       17.6   ! MMBtu/ton

iat.wst.coal

      FuelPrice        [2003] 61.5
      HeatValueF       17.6   ! MMBtu/ton

asb.local.coal

      FuelPrice        [2003m1] 164.5
      HeatValueF       25.2  ! MMBtu/ton

riv.local.coal

      FuelPrice        [2003m1] 122.0
      HeatValueF       25.4   ! MMBtu/ton



!******************  GAS PRICES *******************

Nat.Gas.Riv
      Fuelgroup        Nat.Gas
      FuelPrice    [2003m1] 346.1 [2003m2] 342.6 [2003m3] 345.8 [2003m4] 335.0 -
                   [2003m5] 333.8 [2003m6] 344.4 [2003m7] 347.5 [2003m8] 351.0 -
                   [2003m9] 341.3 [2003m10] 332.1 [2003m11] 336.0 [2003m12] 348.5
      HeatValueF       1.0

Nat.gas.EC
      Fuelgroup        Nat.Gas
      FuelPrice    [2003m1] 346.1 [2003m2] 342.6 [2003m3] 345.8 [2003m4] 335.0 -
                   [2003m5] 333.8 [2003m6] 344.4 [2003m7] 347.5 [2003m8] 351.0 -
                   [2003m9] 341.3 [2003m10] 332.1 [2003m11] 336.0 [2003m12] 348.5
      HeatValueF       1.0

Nat.gas.CC
      Fuelgroup        Nat.Gas
      FuelPrice    [2003m1] 346.1 [2003m2] 342.6 [2003m3] 345.8 [2003m4] 335.0 -
                   [2003m5] 333.8 [2003m6] 344.4 [2003m7] 347.5 [2003m8] 351.0 -
                   [2003m9] 341.3 [2003m10] 332.1 [2003m11] 336.0 [2003m12] 348.5
      HeatValueF       1.0

Nat.Gas.SL1
      Fuelgroup    Nat.Gas
      FuelPrice    [2003m1] 346.1 [2003m2] 342.6 [2003m3] 345.8 [2003m4] 335.0 -
                   [2003m5] 333.8 [2003m6] 344.4 [2003m7] 347.5 [2003m8] 351.0 -
                   [2003m9] 341.3 [2003m10] 332.1 [2003m11] 336.0 [2003m12] 348.5


      HeatValueF  1.0


!*********************** #2 oil PRICES *********************

oil
        FuelPrice        [2003] 537.55 !TME JUNE 02
        heatvaluef       138.7 ! mmbtu/gal
```

Stations Section

```
GasFT.Storage
        Area                Empire
        Plant               ft.demand
        StationGroup        all
        StationType         =thermal
        TransArea(separate.areas) ede
        Price               [2000] 0.00
        CapacityMax         0
        CapacityMin         0
        Spinstatus          =nonfirm
        fixedcostm        [2003] 0
train.costs
        Area                Empire
        Plant               train.costs
        StationGroup        all
        StationType         =thermal
        TransArea(separate.areas) ede
        Price               [2000] 0.00
        CapacityMax         0
        CapacityMin         0
        Spinstatus          =nonfirm
        fixedcostm          [2003] 0



Iatan.1
      fixedcostm  [2003m1] 0
```

Stations Section

```
WRI.Purch.1
        Area                 Empire
        Plant                Wri.Purch
        StationGroup         contract.Purch
        StationType          =thermal
        TransArea(separate.areas) ede
        Price                [2003m1] 12.49
        CapacityMax          [2001m1] 54 [2010m6] 0
        CapacityMin          [2001m1] 16 [2010m6] 0
        Spinstatus           =firm
        Maintdays            [2003m4d3] 33
        OUTAGE               .075
        mindown              8
        minup                8
        fixedcostm           [2001m1] 449820

WRI.Purch.2
        Area                 Empire
        Plant                Wri.Purch
        StationGroup         contract.Purch
        StationType          =thermal
        TransArea(separate.areas) ede
        Price                [2003m1] 12.49
        CapacityMax          [2001m1] 54 [2010m6] 0
        CapacityMin          [2001m1] 16 [2010m6] 0
        Spinstatus           =firm
        Maintdays            [2003m4d1] 33
        OUTAGE               .075
        mindown              8
        minup                8
        fixedcostm           [2001m1] 449820


WRI.Purch.3
        Area                 Empire
        Plant                Wri.Purch
        StationGroup         contract.Purch
        StationType          =thermal
        TransArea(separate.areas) ede
        Price                [2003m1] 12.49
        CapacityMax          [2001m1] 54 [2010m6] 0
        CapacityMin          [2001m1] 16 [2010m6] 0
        Spinstatus           =firm
        Maintdays            [2003m1d26] 33
        OUTAGE               .075
        mindown              8
        minup                8
        fixedcostm           [2001m1] 449820
```

Non Contract Spot Purchases

```
Off.Peak.Spot
       Area                 Empire
       Plant                OffPeak
       StationGroup         non.contract
       StationType          =thermal
       TransArea(separate.areas) ede

       Price       [wp]  [2003]      [m1] [wkd] 18.64 [6am] 0 [10pm] 18.64 -
                                     [wke] 18.64 -
                                     [m2] [wkd] 17.37 [6am] 0 [10pm] 17.37 -
                                     [wke] 17.37 -
                                     [m3] [wkd] 22.11 [6am] 0 [10pm] 22.11 -
                                     [wke] 22.11 -
                                     [m4] [wkd] 26.00 [6am] 0 [10pm] 26.00 -
                                     [wke] 26.00 -
                                     [m5] [wkd] 15.91 [6am] 0 [10pm] 15.91 -
                                     [wke] 15.91 -
```

```
                                    [m6] [wkd] 17.11 [6am] 0 [10pm] 17.11 -
                                    [wke] 17.11 -
                                    [m7] [wkd] 32.98 [6am] 0 [10pm] 32.98 -
                                    [wke] 32.98 -
                                    [m8] [wkd] 34.36 [6am] 0 [10pm] 34.36 -
                                    [wke] 34.36 -
                                    [m9] [wkd] 17.63 [6am] 0 [10pm] 17.63 -
                                    [wke] 17.63 -
                                    [m10] [wkd] 18.63 [6am] 0 [10pm] 18.63 -
                                    [wke] 18.63 -
                                    [m11] [wkd] 17.09 [6am] 0 [10pm] 17.09 -
                                    [wke] 17.09 -
                                    [m12] [wkd] 17.12 [6am] 0 [10pm] 17.12 -
                                    [wke] 17.12

CapacityMax       [wp]              [m1] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m2] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m3] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m4] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m5] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m6] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m7] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m8] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m9] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m10] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m11] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200 -
                                    [m12] [wkd] 250 [6am] 0 [10pm] 250 -
                                    [wke] 200

CapacityMin       [wp]              [m1] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m2] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m3] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m4] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m5] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m6] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m7] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m8] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m9] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m10] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m11] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10 -
                                    [m12] [wkd] 10 [6am] 0 [10pm] 10 -
                                    [wke] 10

Spinstatus        [2003m1] =firm [2003m6] =nonfirm [2003m9d15] =firm
commit            =economic
dispatch          =economic
srunusedmw        0
```

```
    mindown         1
    minup           1


On.Peak.Spot
    Area                Empire
    Plant               OnPeak
    StationGroup        non.contract
    StationType         =thermal
    TransArea(separate.areas) ede


    Price       [wp]        [2003] [m1] [wkd] 0 [6am] 24.15 [10pm] 0 -
                            [wke] 0 -
                            [m2] [wkd] 0 [6am] 20.75 [10pm] 0 -
                            [wke] 0 -
                            [m3] [wkd] 0 [6am] 29.49 [10pm] 0 -
                            [wke] 0 -
                            [m4] [wkd] 0 [6am] 33.80 [10pm] 0 -
                            [wke] 0 -
                            [m5] [wkd] 0 [6am] 29.58 [10pm] 0 -
                            [wke] 0 -
                            [m6] [wkd] 0 [6am] 28.72 [10pm] 0 -
                            [wke] 0 -
                            [m7] [wkd] 0 [6am] 42.86 [10pm] 0 -
                            [wke] 0 -
                            [m8] [wkd] 0 [6am] 40.38 [10pm] 0 -
                            [wke] 0 -
                            [m9] [wkd] 0 [6am] 24.66 [10pm] 0 -
                            [wke] 0 -
                            [m10] [wkd] 0 [6am] 27.15 [10pm] 0 -
                            [wke] 0 -
                            [m11] [wkd] 0 [6am] 25.86 [10pm] 0 -
                            [wke] 0 -
                            [m12] [wkd] 0 [6am] 24.58 [10pm] 0 -
                            [wke] 0


    CapacityMax             [wp] [m1] [wkd] 0 [6am] 73 [10pm] 0 -
                            [wke] 0 -
                            [m2] [wkd] 0 [6am] 115 [10pm] 0 -
                            [wke] 0 -
                            [m3] [wkd] 0 [6am] 98 [10pm] 0 -
                            [wke] 0 -
                            [m4] [wkd] 0 [6am] 69 [10pm] 0 -
                            [wke] 0 -
                            [m5] [wkd] 0 [6am] 53 [10pm] 0 -
                            [wke] 0 -
                            [m6] [wkd] 0 [6am] 133 [10pm] 0 -
                            [wke] 0 -
                            [m7] [wkd] 0 [6am] 128 [10pm] 0 -
                            [wke] 0 -
                            [m8] [wkd] 0 [6am] 80 [10pm] 0 -
                            [wke] 0 -
                            [m9] [wkd] 0 [6am] 145 [10pm] 0 -
                            [wke] 0 -
                            [m10] [wkd] 0 [6am] 160 [10pm] 0 -
                            [wke] 0 -
                            [m11] [wkd] 0 [6am] 194 [10pm] 0 -
                            [wke] 0 -
                            [m12] [wkd] 0 [6am] 120 [10pm] 0 -
                            [wke] 0

    CapacityMin             [wp] [m1] [wkd] 0 [6am] 10 [10pm] 0 -
                            [wke] 0 -
                            [m2] [wkd] 0 [6am] 10 [10pm] 0 -
                            [wke] 0 -
                            [m3] [wkd] 0 [6am] 10 [10pm] 0 -
                            [wke] 0 -
                            [m4] [wkd] 0 [6am] 10 [10pm] 0 -
```

```
                        [wke] 0 -
                        [m5] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m6] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m7] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m8] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m9] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m10] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m11] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0 -
                        [m12] [wkd] 0 [6am] 10 [10pm] 0 -
                        [wke] 0
    MinUp        1

    Spinstatus   [2003m1] =firm [2003m6] =nonfirm [2003m9d15] =firm
    commit       3


Emergency.purch.Spot
      Area              Empire
      Plant             outage.purch
      StationGroup      non.contract
      StationType       =thermal
      TransArea(separate.areas) ede
      Price    [wp]            [2003][m1] [wkd] 0 [6am] 29.47 [10pm] 0 -
                               [wke] 0 -
                               [m2] [wkd] 0 [6am] 35.09 [10pm] 0 -
                               [wke] 0 -
                               [m3] [wkd] 0 [6am] 32.11 [10pm] 0 -
                               [wke] 0 -
                               [m4] [wkd] 0 [6am] 30.59 [10pm] 0 -
                               [wke] 0 -
                               [m5] [wkd] 0 [6am] 28.46 [10pm] 0 -
                               [wke] 0 -
                               [m6] [wkd] 0 [6am] 41.15 [10pm] 0 -
                               [wke] 0 -
                               [m7] [wkd] 0 [6am] 67.52 [10pm] 0 -
                               [wke] 0 -
                               [m8] [wkd] 0 [6am] 78.17 [10pm] 0 -
                               [wke] 0 -
                               [m9] [wkd] 0 [6am] 28.16 [10pm] 0 -
                               [wke] 0 -
                               [m10] [wkd] 0 [6am] 28.41 [10pm] 0 -
                               [wke] 0 -
                               [m11] [wkd] 0 [6am] 31.78 [10pm] 0 -
                               [wke] 0 -
                               [m12] [wkd] 0 [6am] 29.83 [10pm] 0 -
                               [wke] 0


      CapacityMax      [2002] 450
      CapacityMin      0
      commit           5
      Spinstatus       =nonfirm
```

```
*****************************  THERMAL STATIONS  ******************************

Asbury.1  (1+)
        Stationtype        =thermal
        Area               Empire
        Plant              Asbury
        StationGroup       EDE.Fuel
        TransArea(separate.areas) EDE
        Fuel               [v2] asb.wst.coal asb.local.coal
        fuelratio          [v2] .90 .10
        Peakcapacity       [2002] 193
        CapacityMax        [2002] 183
        CapacityMin        105
        Outage             [2002] .065
        Heatpoints         [v5]  110   140   162   188   191
        Heatrate           [v5]  11485  11230  11135  11180  11210
        Maintdays          [2003m4d27] 26
        Startfuel          1200
        startfuelname      oil
        MinDown            90
        RampRate           90
        startcost          2500
        spinstatus         =firm
        srunusedmw         60
        meantimerep        60
        commit             =economic
        dispatch           =economic
        convgroup          1
        CommitVOM          0.60
        DispatchVOM        0.60
        VOMcost            0.60
        fixedcostm         0

Asbury.2
        Stationtype        =thermal
        Area               Empire
        Plant              Asbury
        StationGroup       ede.fuel
        TransArea(separate.areas) EDE
        Fuel               [v2] asb.wst.coal asb.local.coal
        fuelratio          [v2] .90 .10
        Peakcapacity       20
        CapacityMax        16
        CapacityMin        4
        Outage             [2002] .20
        Heatpoints         [v2]  4 20
        Heatrate           [v2] 18300 18200
        Maintdays          [2003m4d27] 26
        Startfuel          0
        startfuelname      oil
        MinDown            60
        RampRate           60
        startcost          0000
        spinstatus         =firm
        srunusedmw         10
        meantimerep        60
        commit             =economic
        dispatch           =economic
        convgroup          1
        CommitVOM          15.0
        DispatchVOM        15.0
        VOMcost            15.0
        fixedcostm         0

Riverton.7
        Stationtype        =thermal
        Area               Empire
        Plant              Riverton
        StationGroup       ede.fuel
        TransArea(separate.areas) EDE
        Fuel               [v2] riv.wst.coal riv.local.coal
```

```
        fuelratio       [v2] .75 .25
        Peakcapacity    38
        CapacityMax     23
        CapacityMin     19
        Outage          .015
        Heatpoints      [v3]  19 25 38
        Heatrate        [v3]  12950  12700  22800
        Maintdays       [2003m11d15] 20
        Startfuel         600
        startfuelname   nat.gas.Riv
        MinDown         12
        RampRate        40
        startcost       1000
        spinstatus      =firm
        srunusedmw      10
        meantimerep     48
        commit          =economic
        dispatch        =economic
        convgroup       1
        CommitVOM       1.00
        DispatchVOM     1.00
        VOMcost         1.00
        fixedcostm      0

Riverton.8
        Stationtype     =thermal
        Area            Empire
        Plant           Riverton
        StationGroup    ede.fuel
        TransArea(separate.areas) EDE
        Fuel            [v2] riv.wst.coal riv.local.coal
        fuelratio       [v2] 1.00 .0
        Peakcapacity    54
        CapacityMax     42
        dispatchpeak    7
        CapacityMin     26
        Outage          .015
        Heatpoints      [v3]  30  46  54
        Heatrate        [v3]  12080 11980 21610
        Maintdays       [2003m3d6] 20
        Startfuel       600
        startfuelname   nat.gas.Riv
        MinDown         12
        RampRate        40
        startcost       1000
        spinstatus      =firm
        srunusedmw      20
        meantimerep     72
        commit          =economic
        dispatch        =economic
        convgroup       1
        CommitVOM       1.00
        DispatchVOM     1.00
        VOMcost         1.00
        fixedcostm      0

Riverton.9and10
        Stationtype     =thermal
        Area            Empire
        Plant           Riverton
        StationGroup    ede.fuel
        TransArea(separate.areas) EDE
        Fuel            [v1] nat.gas.Riv
        dispatchfcm     0.6
        commitfcm       0.6
        Peakcapacity    [2001m1] 28
        CapacityMax     [2001m1] 28
        CapacityMin     [2001m1] 20
        Outage          .05
        Heatpoints      [v2]  20 28
        Heatrate        [v2]  18500  17500
```

```
    Maintdays        [2002m9d30] 27
    Startfuel        100
    startfuelname    nat.gas.Riv
    minup            12
    MinDown          24
    RampRate         60
    startcost        3000
    spinstatus       =firm
    meantimerep      72
    commit           =economic
    dispatch         =economic
    convgroup        1
    CommitVOM        3.00
    DispatchVOM      3.00
    VOMcost          3.00
    fixedcostm       0


Riverton.11
    Stationtype      =thermal
    Area             Empire
    Plant            Riverton
    StationGroup     ede.fuel
    TransArea(separate.areas) EDE
    Fuel             [v1] nat.gas.Riv
    Peakcapacity     16
    CapacityMax      16
    CapacityMin      8
    Outage           .05
    Heatpoints       [v2]  10  16
    Heatrate         [v2]  18534  17034
    Maintdays        [2003m10d27] 27
    Startfuel        50
    startfuelname    nat.gas.Riv
    minup            12
    MinDown          24
    RampRate         60
    startcost        1500
    spinstatus       =firm
    meantimerep      60
    commit           =economic
    dispatch         =economic
    convgroup        1
    CommitVOM        3.00
    DispatchVOM      3.00
    VOMcost          3.00
    fixedcostm       0

Energy.Center.1
    Stationtype      =thermal
    Area             Empire
    Plant            Energy.Center
    StationGroup     ede.fuel
    TransArea(separate.areas) EDE
    Fuel             [v1] nat.gas.EC
    Peakcapacity     85
    CapacityMax      80
    CapacityMin      30
    Outage           .075
    Heatpoints       [v5]  30 50 70 85 90
    Heatrate         [v5]  18850 14700 13550 13100 12990
    Maintdays        [2003m3d1] 27
    Startfuel        150
    startfuelname    nat.gas.EC
    MinDown          24
    Minup            12
    RampRate         60
    startcost        3000
    spinstatus       =firm
    srunusedmw       50
    meantimerep      72
```

```
        commit          =economic
        dispatch        =economic
        convgroup       1
        CommitVOM       3.75
        DispatchVOM     3.75
        VOMcost         3.75
        fixedcostm      0

Energy.Center.2
        Stationtype     =thermal
        Area            Empire
        Plant           Energy.Center
        StationGroup    ede.fuel
        TransArea(separate.areas) EDE
        Fuel            [v1] nat.gas.EC
        Peakcapacity    85
        CapacityMax     80
        CapacityMin     30
        Outage          .075
        Heatpoints      [v5]  30 50 70 85 90
        Heatrate        [v5]  18850 14700 13550 13100 12990
        Maintdays       [2003m5d10] 27
        Startfuel       150
        startfuelname   nat.gas.EC
        MinDown         24
        Minup           12
        RampRate        60
        startcost       3000
        spinstatus      =firm
        srunusedmw      50
        meantimerep     72
        commit          =economic
        dispatch        =economic
        convgroup       1
        CommitVOM       3.75
        DispatchVOM     3.75
        VOMcost         3.75
        fixedcostm      0

State.Line.1
        Stationtype     =thermal
        Area            Empire
        Plant           State.Line
        StationGroup    ede.fuel
        TransArea(separate.areas) EDE
        Fuel            [v1] nat.gas.SL1
        Peakcapacity    90
        CapacityMax     86
        CapacityMin     85
        Outage          .075
        Heatpoints      [v2]  85 86
        Heatrate        [v2]  12000 12000
        Maintdays       [2003m9d30] 27
        Startfuel       150
        startfuelname   nat.gas.SL1
        MinDown         24
        Minup           24
        RampRate        60
        startcost       5000
        spinstatus      =firm
        srunusedmw      50
        meantimerep     120
        commit          =economic
        dispatch        =economic
        convgroup       1
        CommitVOM       3.00
        DispatchVOM     3.00
        VOMcost         3.00
        fixedcostm      0
```

```
SLCC.1x1
        Stationtype      =thermal
        Area             Empire
        Plant            State.Line
        StationGroup     ede.fuel
        TransArea(separate.areas) EDE
        Fuel             Nat.Gas.CC
        Peakcapacity     150
        CapacityMax      150
        CapacityMin      110

        Outage           .07
        Heatpoints       [v4] 110 120 135 150
        Heatrate         [v4]  7600 7400 7150 6950
        Maintdays        [2003m3d27] 30
        Startfuel        300
        startfuelname    Nat.Gas.CC
        MinDown          36
        Minup            48
        RampRate         60
        startcost        28000
        spinstatus       =firm
        srunusedmw       60
        meantimerep      72
        commit           =economic
        dispatch         =economic
        convgroup        1
        CommitVOM        3.50
        DispatchVOM      3.50
        VOMcost          3.50
        fixedcostm       0

SLCC.2x1
        Stationtype      =thermal
        Area             Empire
        Plant            State.Line
        StationGroup     ede.fuel
        TransArea(separate.areas) EDE
        Fuel             Nat.Gas.CC
        Peakcapacity     300
        CapacityMax      270
        CapacityMin      180

        Outage           .14
        Heatpoints       [v6] 180 195 210 225 240 300
        Heatrate         [v6]  7600 7400 7250 7000 6900 6850
        Maintdays        [2003m3d27] 30
        Startfuel        480
        startfuelname    Nat.Gas.CC
        MinDown          36
        Minup            72
        RampRate         60
        startcost        48000
        spinstatus       =firm
        srunusedmw       60
        meantimerep      72
        commit           =economic
        dispatch         =economic
        convgroup        1
        CommitVOM        3.00
        DispatchVOM      3.00
        VOMcost          3.00
        fixedcostm       0
        Commitfcm        1.05

Iatan.1
        Stationtype      =thermal
        Area             Empire
        Plant            Iatan
        StationGroup     EDE.Fuel
```

```
TransArea(separate.areas) EDE
Fuel               [v1] iat.wst.coal
Peakcapacity       80
CapacityMax        80
CapacityMin        40
Outage             .075
Heatpoints         [v2]  70 80
Heatrate           [v2]  10100 10025
Maintdays          [2003m10d5] 30
Startfuel          1200
startfuelname      oil
MinDown            60
RampRate           90
startcost          2500
spinstatus         =firm
srunusedmw         60
meantimerep        60
commit             =economic
dispatch           =economic
convgroup          1
CommitVOM          0.60
DispatchVOM        0.60
VOMcost            0.60


!****************************************************************************
!                                HYDRO
!****************************************************************************

Ozark.Beach
        Area               Empire
        Plant              Ozark.Beach
        StationGroup       Hydro
        StationType        =hydro
        TransArea(separate.areas) ede
        ConvGroup          1
        Price              [2001]  0
        CapacityMax        [2002] 16
        CapacityMin        2
        EnergyM            [ap]     6.5 6.5 6.5 6.5 6.5 6.5 6 6 4.25 2.125 2.5 6
```

System Section

```
-------- Simulation Control --------
        MaintMethod      =Scheduled

        Iterations       3



        DispatchIncr     1
        HydroIncr        1

        Inflation        [2001] 0.025

        CostEngyNS       [2001] 90      [GRI] .0
        DumpPrice        [2001] 12.0    [GRI] 0.0

       ConvergeTOD      1

       SR               [2003m1] 0 [2003m6] 35 [2003m9d15] 0
```

```
*********************************************************************
Rulegroups Section
*********************************************************************
asbury.2.rule
        stations        asbury.2
        commitonly      asbury.1

SLCC.1x1.rule
      stations          SLCC.1x1
      CommitUnless      SLCC.2x1


Riverton.9and10.rule
        stations        Riverton.9and10
        commitonly      [v2] Riverton.7 Riverton.8


WRI.Purch.rule
        stations        [v3]  WRI.Purch.1  WRI.Purch.2  WRI.Purch.3
        CommitStas      1
```

```
*********************************************************************
System Section
*********************************************************************
Report.Dat
-------- Print Commands --------
        PageLines          118
        PrintArea          =no
        PrintBase          =yes
        PrintFuelUse       2
        PrintEmiss         =no
        PrintFuel          0
        PrintMaint         =no
        PrintTime          0
        PrintHours         1
        PrintGraphs        =yes
        PrintOutages       =yes
        PrintHour          1
```

THE EMPIRE DISTRICT ELECTRIC COMPANY

ENERGY RISK MANAGEMENT POLICY

July 19, 2002

Services You Count On

THE EMPIRE DISTRICT ELECTRIC COMPANY
ENERGY RISK MANAGEMENT POLICY

TABLE OF CONTENTS

1 STANDARDS OF OVERALL COMPANY PROGRAM

INTRODUCTION

The purpose of the Energy Risk Management Policy (RMP) document is to define the approach and internal rules that The Empire District Electric Company (EDE) will utilize to manage its natural gas commodity risk. The content of this document establishes and describes the EDE policy in assuming, assessing, and controlling the level of natural gas commodity risk exposure involved in the normal course of serving EDE's native load energy requirements.

OBJECTIVES

It is the policy of EDE NOT to engage in financial or commodity transactions unless they are related to underlying exposures related to supplying EDE's native load or to hedge back-to-back off-system transactions. It is the express intention of EDE to prohibit financial or physical commodity transactions that would reasonably be considered outside of EDE's core business activities.

The following are specific RMP objectives for EDE that represent a balanced financial and operational focus:

OBJECTIVE #1

Provide an organizational structure to support management goals and budget performance by mitigating energy price volatility and; hence, limiting fluctuations in the cost of supplying power to retail customers.

The RMP provides an organizational structure for effectively assessing and managing risk associated with EDE's natural gas supply and wholesale power activities. It provides a framework for effective control, audit, and reporting. The procedures set forth allow for the management of operational risks without placing undue restrictions on the operations of EDE.

OBJECTIVE #2

Allow utilization of physical and financial tools to provide a predictably priced reasonable cost gas-supply.

EDE's cost to generate, purchase, and supply power is greatly impacted by fluctuations in the market price of energy sources such as coal, natural gas, oil, and wholesale electricity. This RMP outlines procedures on how hedge positions will be employed to limit these market fluctuations in the price of natural gas and; hence, provide EDE with tools to manage expenses to generate, purchase, and supply power for its customer base.

2. RESPONSIBILITY FOR ENERGY RISK MANAGEMENT POLICY

The Officer Group as listed below is responsible for maintaining and overseeing the RMP:

The Officer Group is comprised as follows:

President and CEO
Vice President – Finance and CFO
Vice President – Energy Supply
Vice President – Regulatory and General Services
Vice President – Commercial Operations
Vice President – Nonregulated Services

From time to time, the Officer Group will report to the Board of Directors on the risk management activities surrounding natural gas risk. Officer Group activities shall include:

- Providing the Risk Management Oversight Committee (RMOC) authorization to engage in those activities consistent with prudent risk management and related trading practices which correlate with the native load requirements of EDE;
- Recognizing financial instruments such as futures, swaps, options, as well as physical market position management, can be effective transaction tools; and
- Providing sufficient management involvement, financial controls, and systems to monitor, report, and ensure the integrity of the RMP at all levels.

RISK MANAGEMENT OVERSIGHT COMMITTEE

The RMOC is charged to monitor aggregate risks and ensure they are managed in accordance with the RMP. The RMOC will meet periodically to assess aggregate risks and review EDE's market positions and exposures and strategy.

The RMOC is comprised as follows:

Chairman
Vice President – Finance and CFO

Members:
Vice President – Energy Supply
Vice President – Regulatory and General Services
Controller and Assistant Treasurer and Secretary
Director of Wholesale Energy Group

Internal Control Members:
President and CEO
Director of Internal Audit

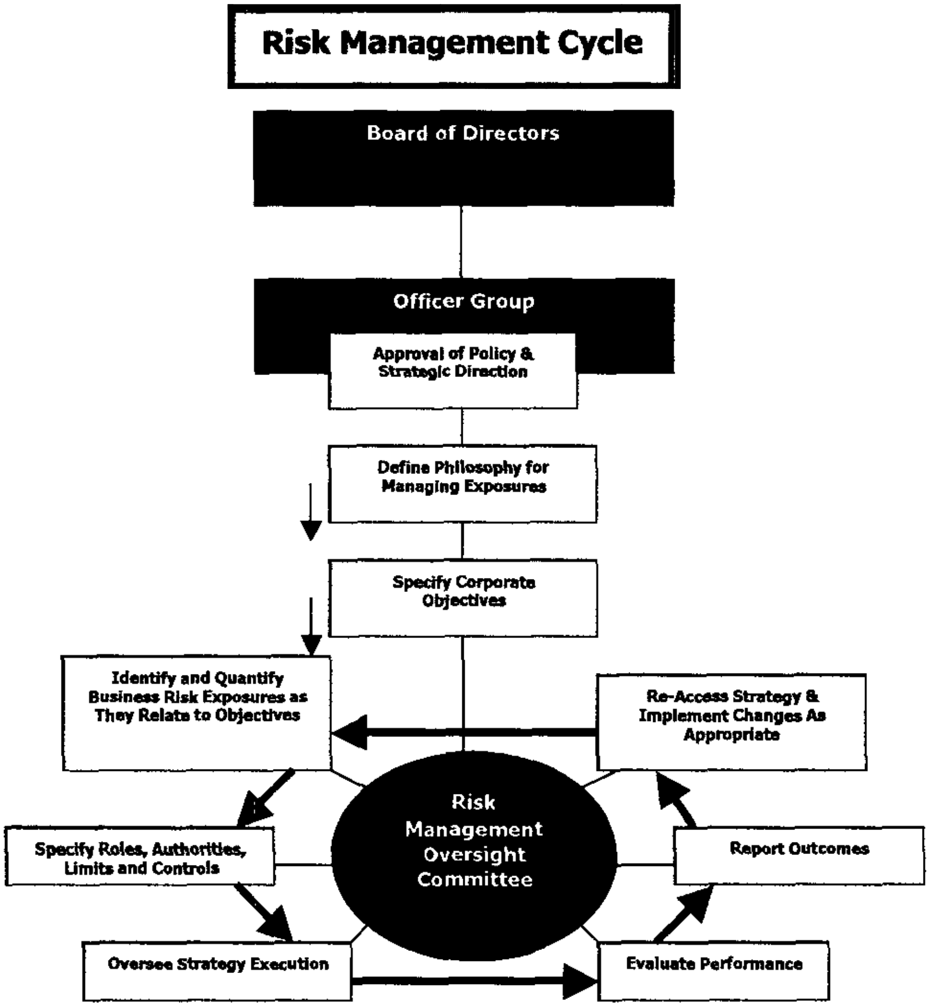
RMOC RESPONSIBILITIES

- **Approve Hedging Strategies** – Develop and approve strategies that achieve risk management objectives.
- **Individual Trading Authorization** – Approve a list of individuals authorized to establish trading relationships and execute trades. The hierarchy of oversight will include opening futures accounts, executing International Swap Dealer Association (ISDA) master agreements, placing futures orders, and entering into transactions per a master swap agreement.
- **Set Transaction Exposure Limits** – Approve limits on volumes and length of coverage of all outstanding physical, futures, options, and Over-the-Counter (OTC) positions.
- **Ensure Credit Approval and Documentation** – Measures will be established by September 1, 2002, for assessing counterpart creditworthiness. Counterparts will be reviewed at periodic intervals to ensure they have sufficient financial strength to meet their obligations.
- **Establish Procedures and Develop Reporting Systems** – Ascertain appropriate checks and balances are in place and financial reporting is correct.

Any member of the RMOC has authority to call committee meetings and the responsibility to ensure that all activities are in accordance with this program. The committee may meet in person, through telephone conference calls, and/or electronic mail. The RMOC secretary (who is not a member of the RMOC) will keep regular minutes and records of meetings and actions.

At any time a RMOC member believes the committee has failed to adequately address a situation in which the member believes price or credit speculation is taking place, that member shall submit a written statement describing the concern to the President and CEO or the Director of Internal Audit.

RMOC CYCLE



3 RISK

COMPANY EXPOSURE

EDE's exposure spans activity in both the physical fuels market and the financial derivative markets that have developed to accommodate natural gas and power. Without risk management, EDE will be subject to cost and pricing uncertainty, as well as uncertainty in meeting budgeted earnings and cash flow.

The primary components of EDE's risk exposure are operations risk, market risk, and credit risk. The RMP is designed to address the management of these risks in the aggregate.

OPERATIONS RISK

Involves the potential increased cost for items such as providing replacement power to serve customers due to the unscheduled outage of generation plants, interruptions of power purchases from other parties, or interruption of gas supply.

MARKET RISK

Involves the potential change in value of a commodity contract, liability, or cash flow caused by adverse fluctuations in market factors over a pre-defined holding period. Types of market risk include:

- **Price Risk** – Uncertainty associated with changes in the price level of commodity fuel costs.
- **Liquidity Risk** – Risk associated with the diminished market activity of a fuel commodity.
- **Volume Risk** – Supply or demand deviation from forecast (for example, the risk of not having enough or having too much natural gas to meet forecasted obligations). Volume risk is highly correlated with price risk because availability of wholesale electricity is high and price low when the weather is mild causing reduced volume need. Conversely, when weather is extreme causing an increase in our underlying needs, the price of wholesale electricity may increase exponentially.
- **Calendar Risk** – Exposure due to time differential in commodity value between actual physical delivery and financial position expiration.
- **Basis Risk** – Exposure due to a difference in commodity value between different delivery points or between cash market prices and the pricing points used in the financial markets.

COUNTERPARTIES/CREDIT RISK

A component of the overall RMP is the management of credit exposure. EDE's exposure is very different when transacting on the New York Mercantile Exchange (NYMEX) versus when transacting OTC.

The creditworthiness of trading partners or clearinghouses is a function of both qualitative and quantitative factors. Such factors are centered on the credit rating assigned to a company by major credit rating services and an evaluation of the company's ability to financially meet its obligations to EDE. Typical sources of credit-related information are credit rating reports (published by one or more of the commonly recognized rating agencies, such as Dunn & Bradstreet, Standard & Poor's, or Moody's), general market intelligence, electronic news releases, and other public information sources. Based on these resources, EDE will assign an internal credit rating to use in assessing the viability of potential trading partners.

Credit risk associated with maintaining an account with a futures clearinghouse is considerably less than that with OTC counterparts. This distinction exists because the collective clearinghouse members of NYMEX, which includes virtually every major energy company and financial institution in the country, guarantee the performance on all positions placed on the exchange. Requiring margin deposits and daily mark-to-market by clearinghouse members allows for incremental monitoring and control of transactions and eliminates the potential for sudden defaults on contracts.

ESTABLISHING CREDIT RESPONSIBILITIES

Establishing limits and creditworthiness monitoring will be done independent of the trading function and will be performed by the Risk Management Accountant in Finance in order to guarantee appropriate segregation of duties within EDE. All trading activity with a particular counterpart who no longer meets EDE's credit standards will be halted. A Counterpart Credit Analysis Report will be included as part of the weekly Position Report described later. The report will summarize the total amount of outstanding credit, categorized by individual counterpart and by composite credit rating. A Credit Limit Flowchart is included in this policy as Appendix 1 and Appendix 2, respectively.

4. HEDGE STRATEGY

EDE's Missouri and Kansas retail rates are not subject to a fuel cost adjustment clause. As such, the only time EDE's rates are adjusted for changes in fuel costs is during a rate proceeding. The regulatory schedule for a rate proceeding in Missouri requires 11 months from the date of filing before new rates come into effect. Adding preparation time for a rate case, this period could stretch to 12 or 13 months. This regulatory schedule combined with the volatility of natural gas necessitates that EDE focus on procuring fuel over periods longer than 18 months to help prevent EDE's revenues from lagging its costs.
EDE's strategic focus addresses both the regulatory structure and volatility by attempting to protect against volatile natural gas costs for EDE plants. To best utilize the economic trade-offs between generating with on-system resources versus buying non-firm wholesale power, EDE will apply risk management strategies. EDE will attempt to lessen the risks associated with variances in the volume of fuel consumed relative to budgeted fuel consumption volume.

EDE's specific hedge strategy goals are as follows:

- Provide for predictable fuel and purchased power costs over a multi-year period;
- Minimize fuel and purchased power costs to serve retail load;
- Maximize margin on off-system sales opportunities; and
- Provide framework to allow EDE to manage its risk positions.

EDE's RMP is designed to provide Wholesale Energy Group with a more comprehensive set of tools to mitigate the adverse impacts associated with changing natural gas or wholesale electricity prices.

EDE's risk management strategies involve an active and continual "mark-to-market" assessment of market conditions to match its supply portfolio to its portfolio of retail and wholesale obligations.

In effect, these strategies set out to determine how much market risk is reasonable to best minimize costs and volatility, while still providing EDE's customers with reasonable fuel costs.

An overview of the hedging targets for natural gas is outlined below.

NATURAL GAS

At least yearly, EDE will model its electric system with a production cost model to establish an expected gas burn for retail load for each of the next four years. This budgeted gas burn will be the same as that utilized in EDE's financial projections.

From time to time as conditions change (i.e. unit outages, gas commitments, purchase power commitments), the Wholesale Energy Group shall re-model EDE's system to establish a new "expected" gas burn for native load.

EDE will utilize the following procurement guidelines:

- Hedge 0% - 20% of year four expected gas burn
- Hedge 20% - 40% of year three expected gas burn
- Hedge 40% - 60% of year two expected gas burn
- Hedge 60% - 80% of year one expected gas burn.

  (By December 31 of current year we should have 60-80% of the next years projected gas burn hedged.)

This progressive dollar cost averaging approach is intended to protect our customers and shareholders from volatility in the marketplace. In addition, the progressive approach allows for increasing uncertainty of gas needs inherent in forecasting events occurring further in the future.

If changes in expected gas burns occur that make us more than 100% hedged, immediate steps will be taken to reduce our hedged position to 100% or less.

5. INTERNAL CONTROLS

Internal controls are essential in ensuring adherence to the RMP and include the authorization of acceptable instruments, limits, and credit standards. Additional checks and balances including segregation of departmental duties, market position monitoring, and a management reporting structure should be in place to verify and reconcile the integrity of EDE's risk management activity results.

SEGREGATION OF DEPARTMENTAL RESPONSIBILITIES

An appropriate segregation of duties is fundamental in controlling EDE's risk management operations and includes activities such as approvals, verifications, and reconciliations. A clear separation between transacting, credit review and approval, margining and cash settlements, and accounting has been established with respect to the RMP.

Wholesale Energy Group, Finance, and Internal Audit are the departments most directly impacted by energy supply risk management activities.

AUTHORIZATION PARAMETERS

INSTRUMENTS

A primary responsibility of the RMOC is the review and approval of tools acceptable for implementation of the risk management strategy.

The various hedging instruments that EDE is authorized to use by this RMP are described as follows:

- **Physical Contract** – Contract for future delivery of a designated quantity of a fuel source or power supply at a designated price, time, and location. Physical forward contracts obligate both the buyer and seller to accept the agreed-upon price, regardless of the market price when the delivery takes place.
- **Futures Contract** – Standardized binding agreement to buy or sell a specified quantity or grade of a commodity at a later date. Futures contracts are freely transferable, can be traded exclusively on regulated exchanges, and are settled daily based on their current value in the marketplace.
- **Option** – Contract giving the holder the right, but not the obligation, to purchase or sell the underlying futures contract at a specified price within a specified period of time in exchange for a one-time premium payment. The contract also requires the writer, who receives the premium, to meet these obligations. (Use of these instruments in a manner that precludes them from falling under hedge accounting treatment is prohibited.)
- **OTC Instrument** – Any financial or physical instrument that is customized and created by a counterpart to replicate the risk profile associated with a commodity. The OTC swap tool allows two parties to fix price without physical quantity, and period. There is a monthly settlement price, which is the difference between the fixed price of the contract and the index price in the publication for that month's date. If the index price for the delivery period is higher than the fixed price of the OTC contract, then the seller pays the buyer the difference. If the index price is lower, the buyer pays the seller the

difference. This policy approves the use of OTC forwards and options for natural gas and power. Power examples include: 5x16, 7x24, 5x8, 2x24, 7x8, 1x16, etc. (Use of these instruments in a manner that precludes them from falling under hedge accounting treatment is prohibited.)

LIMITS

AUTHORIZED TRADERS AND TRADING LIMITS

- **"Round Trip" Trades Prohibited** – "Round trip" transactions shall be strictly prohibited. Round trip transactions, as used herein, refers to simultaneous (or nearly simultaneous) energy purchases and sales of equal duration, price and volume. Employees engaging in such transaction shall be subject to progressive discipline up to and including termination of employment.

Authorized traders, along with approval and transaction limits, are listed in Appendix 12.

6. REPORTING POSITION REPORT

The Position Report contains a list of all open and recently closed transactions for EDE trade-based activity and serves as a crucial element of RMP control and management. The Position Report has multiple applications for risk management review that includes account transaction tracking and evaluation as well as overall performance evaluation.

The Position Report is updated and distributed weekly by Wholesale Energy Group (WEG). Its primary objectives are:

- Allow for marking individual transactions to market;
- Provide data for transactions as well as portfolio analysis; and
- Simplify accounting and program results evaluation through analysis of the closed positions list.

MARK-TO-MARKET

All positions will be mark-to-market (using the appropriate NYMEX prices or other suitable market indicator) weekly or as determined by the RMOC on the Position Report by Wholesale Energy Group. This analysis is performed to appropriately reflect the current value and cash flows associated with open positions and to provide timely information regarding EDE's market risk and exposure.

The Wholesale Energy Group is responsible for verifying the validity of the market data used in mark-to-market calculations through the Position Report, with Finance performing a subsequent review as a check on this report's accuracy. On certain OTC positions, it may be difficult to obtain an accurate mark-to-market value. In these instances, Wholesale Energy Group will provide the most precise estimate of values and will identify the source and reliability of the data.

ADDITIONAL MANAGEMENT REPORTING

Management reports are to be based on the principles of: adequate compliance limit monitoring, accuracy of data sources, and frequency and quality of information. All reports should communicate the price risks assumed by EDE. Information pertaining to performance measurement and program evaluation will be included in required reports and will be used as a basis for RMOC discussions and future strategy setting.

MINIMUM REPORTING REQUIREMENTS

The following table identifies the various reports to be generated by different departments or management levels, the normal regularity, and circulation of the document.

Report	Distribution	Normal Frequency	Originator
Position Report	WEG Risk Mgt. Acct. RMOC	Weekly and Quarter-End	WEG
Account Statements via email	WEG Risk Mgt. Acct. RMOC	Monthly - RMOC Daily – Others	RMI
Minutes of RMOC Meetings	RMOC	Monthly	RMOC Secretary
Counterpart Credit Analysis	RMOC WEG	Weekly	WEG (as reviewed by Risk Mgt. Acct.)

DISCIPLINE

Any violation by an employee of the RMP will be subject to the Progressive Discipline Policy as outlined in the Personnel Policy Manual of EDE.

7. POLICY REVIEW

On a periodic basis, the RMOC will review and mutually make a recommendation to the Officer Group on the adequacy of the RMP and any necessary changes.

8. CONFLICTS OF INTEREST

Personnel responsible for executing and managing EDE's trading activity will not be authorized to enter into energy-related commodity transactions on behalf of others or themselves unless specifically approved by the RMOC.

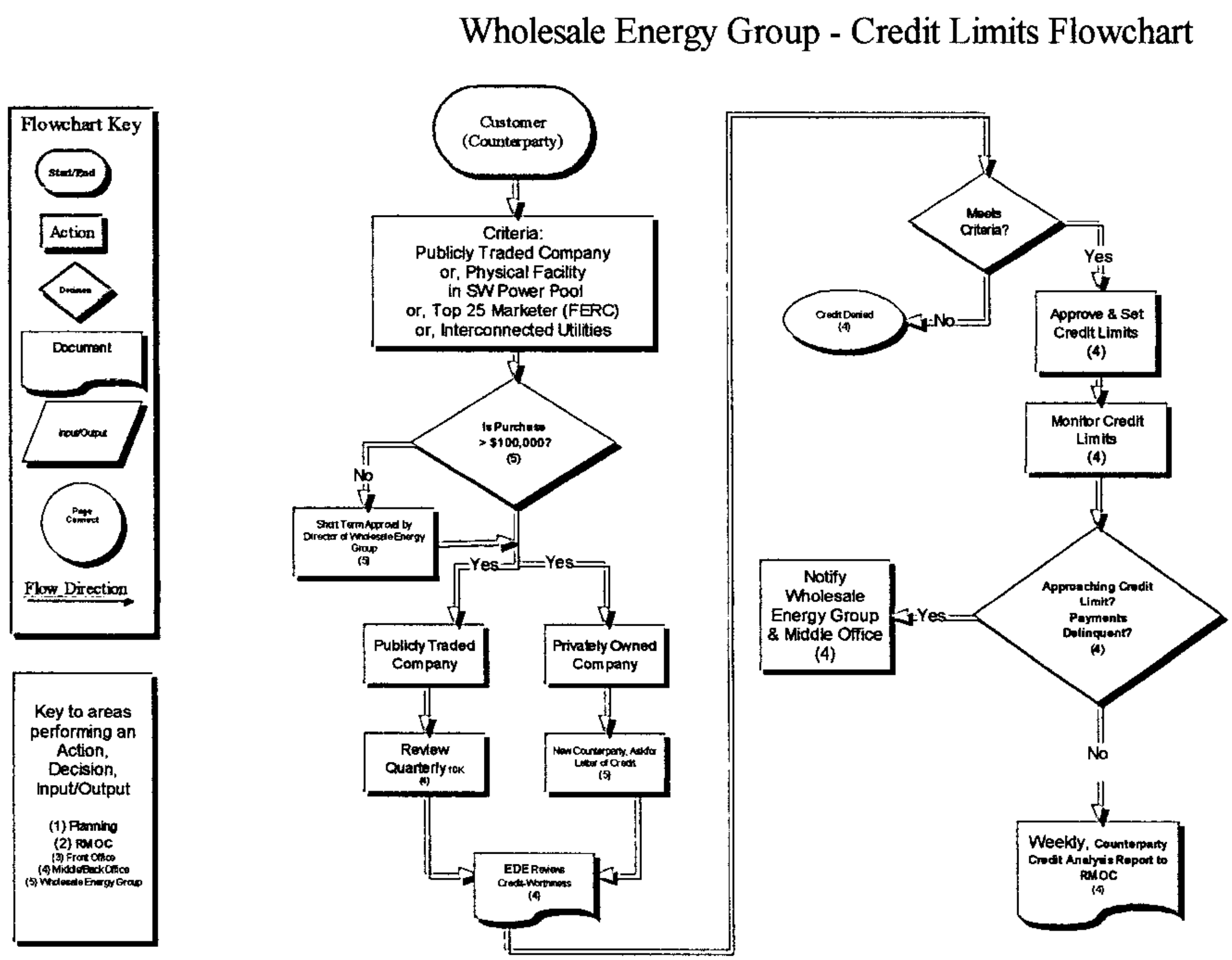
9. DUTIES AND WORK FLOW

Appendices are listed as follows:

- **Credit Limits Flowchart – Appendix 1**
- **Duties for Wholesale Energy Group – Appendix 2**
- **Duties for Finance – Appendix 3**
- **Duties for Auditing – Appendix 4**
- **Work Flow to Execute Trade – Appendix 5**
- **Procedure for Hedge Transactions and Reconciliation – Appendix 6**
- **Trade Ticket – Appendix 7**
- **Confirmation Procedure – Appendix 8**
- **Position Report – Appendix 9**
- **Mark to Market Report – Appendix 10**
- **Broker Account Statement – Appendix 11**
- **Authorized Traders – Appendix 12**

APPENDIX 1

CREDIT LIMIT FLOW CHART

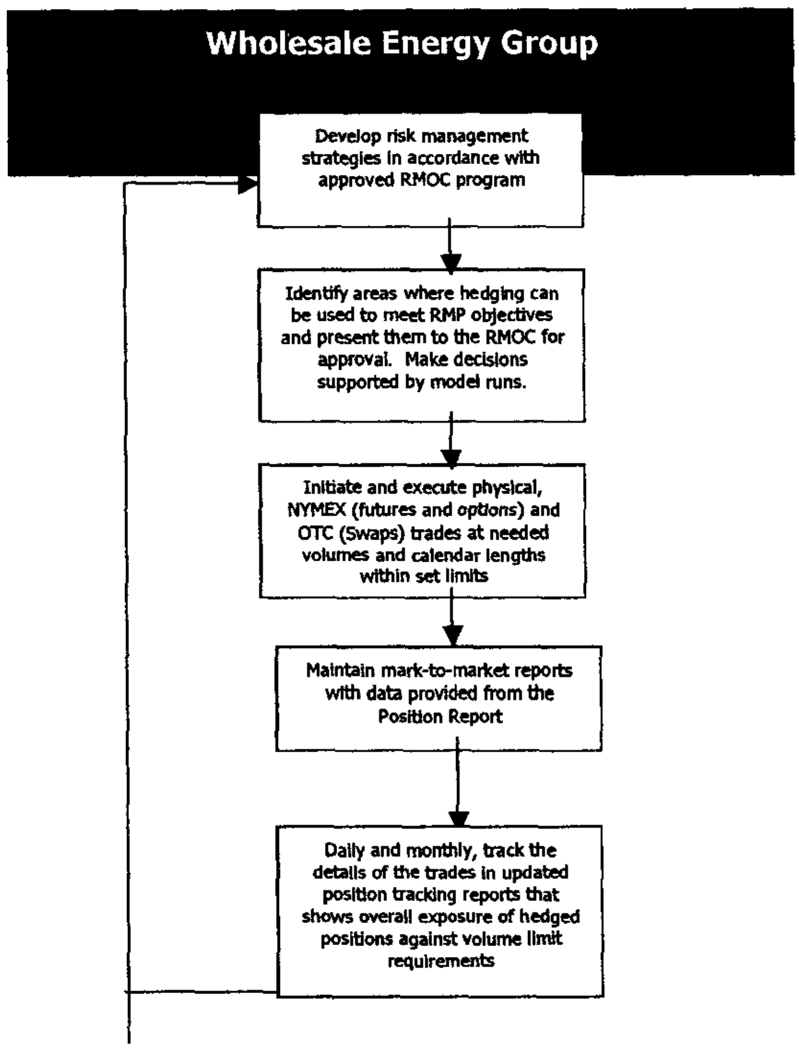


APPENDIX 2

WHOLESALE ENERGY GROUP

Responsible for analyzing the market and developing appropriate strategies and tactics in line with the RMP.

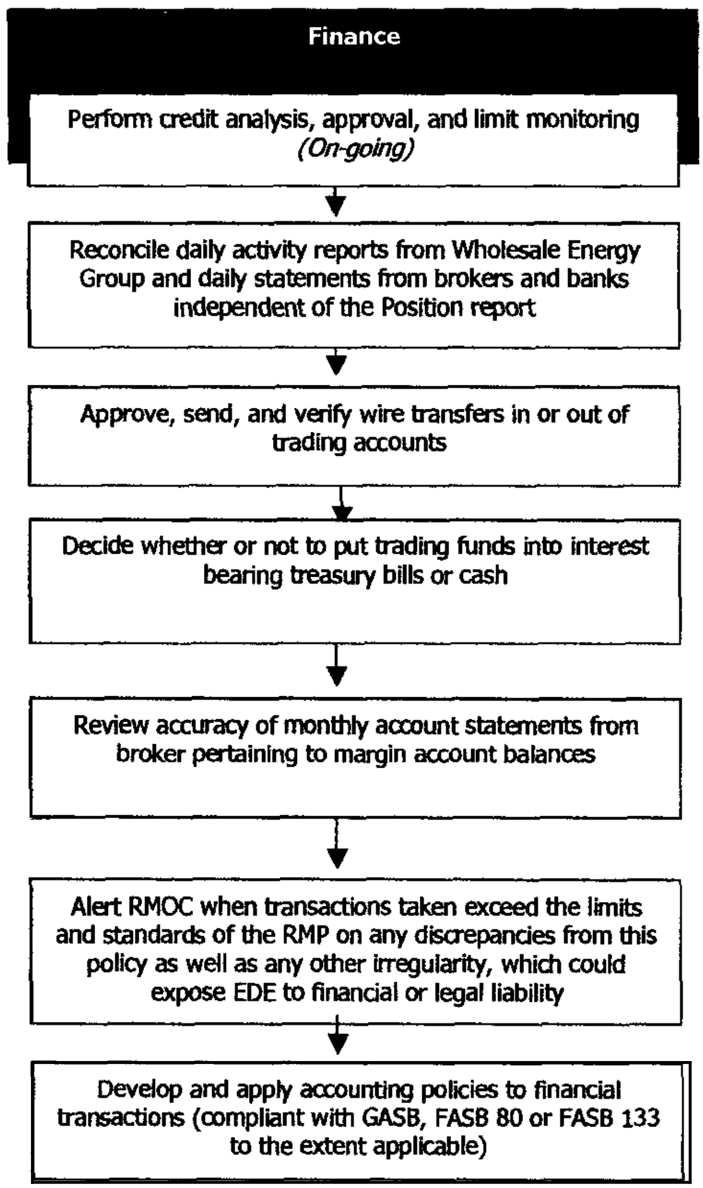
Responsibilities include the following:



APPENDIX 3

FINANCE

Responsible for the provision of financing Wholesale Energy Group hedge transactions. In addition, Finance will crosscheck hedge positions placed by Wholesale Energy Group in physicals, swaps, futures, and options for accuracy and accordance with EDE's RMP. Accountable for review of account balances for any associated margin requirements with day-to-day activity and also responsible for the following:



APPENDIX 4

INTERNAL AUDIT

Review documentation as needed to verify the RMP defined limits of EDE hedge transactions and operations and will periodically confirm the internal controls in place are effective in protecting the objectives of EDE's risk management program.

APPENDIX 5

FOR ANY HEDGE TRANSACTION

(Physical, Exchange-Traded or OTC)

**Please reference appendix 7 for a graphical representation of this process*

DAILY

1. **Monitor Market Prices/Identify Need for a Hedge in line with Hedging Strategy Objectives**

✓ Wholesale Energy Group will monitor prices for opportunities to meet RMP hedge goals and objectives.

2. **Determine Best Strategy within Limits to Achieve Hedging Objective**

✓ Within the RMOC approved limits, Wholesale Energy Group will determine the best hedge strategies to implement in line with objectives.

✓ For any chosen strategies that exceed a specified time period or dollar limit, the Vice President – Energy Supply must verify that the chosen hedge transaction meets objectives.

3. **Confirm Counterparty Meets Credit Requirements**

✓ For an OTC transaction, the prospective counterparty must be crosschecked with Finance counterparty credit list for credit verification.

4. **Implement Transaction**

✓ Wholesale Energy Group prepares internal documentation for current order.

5. **Communicate Order**

✓ Wholesale Energy Group executes a hedge with broker and/or counterpart by picking up the phone and calling in information that is simultaneously recorded via a trading ticket (*reference "Ticket Input Illustrations" in next section*) which is date/time stamped and entered into a position tracking report.

6. **Broker Documents and Executes Transaction**

✓ In addition, the broker and the NYMEX floor representatives keep their own trading tickets to document the transaction.

7. **Verify Transaction (Verbal and Written)**

✓ Broker and/or counterpart verifies hedge fill via phone initially to Wholesale Energy Group.

✓ Written confirmations will be sent to Wholesale Energy Group and Finance the following business day via e-mail or fax.

8. **Confirm Accuracy of Transaction**

- ✓ Wholesale Energy Group crosschecks daily broker Account Statement confirmations against internal Position Report for accuracy
- ✓ Wholesale Energy Group provides mark-to-market reports that tracks the value of the hedge based on current market price.

9. Track Positions

- ✓ This Wholesale Energy Group Position Report is forwarded to Finance as a check for accuracy on market value and is compared to the broker daily Account Statement report.

10. Reconcile Positions Daily with Broker via Finance

- ✓ On a daily basis, Finance will determine and verify cash flow receipts and obligations. If EDE is on margin call, funds will be wired to the broker to keep the hedge account equity in line with the current market value.

MONTHLY AND ON-GOING

1. Reconcile Monthly Account Statements

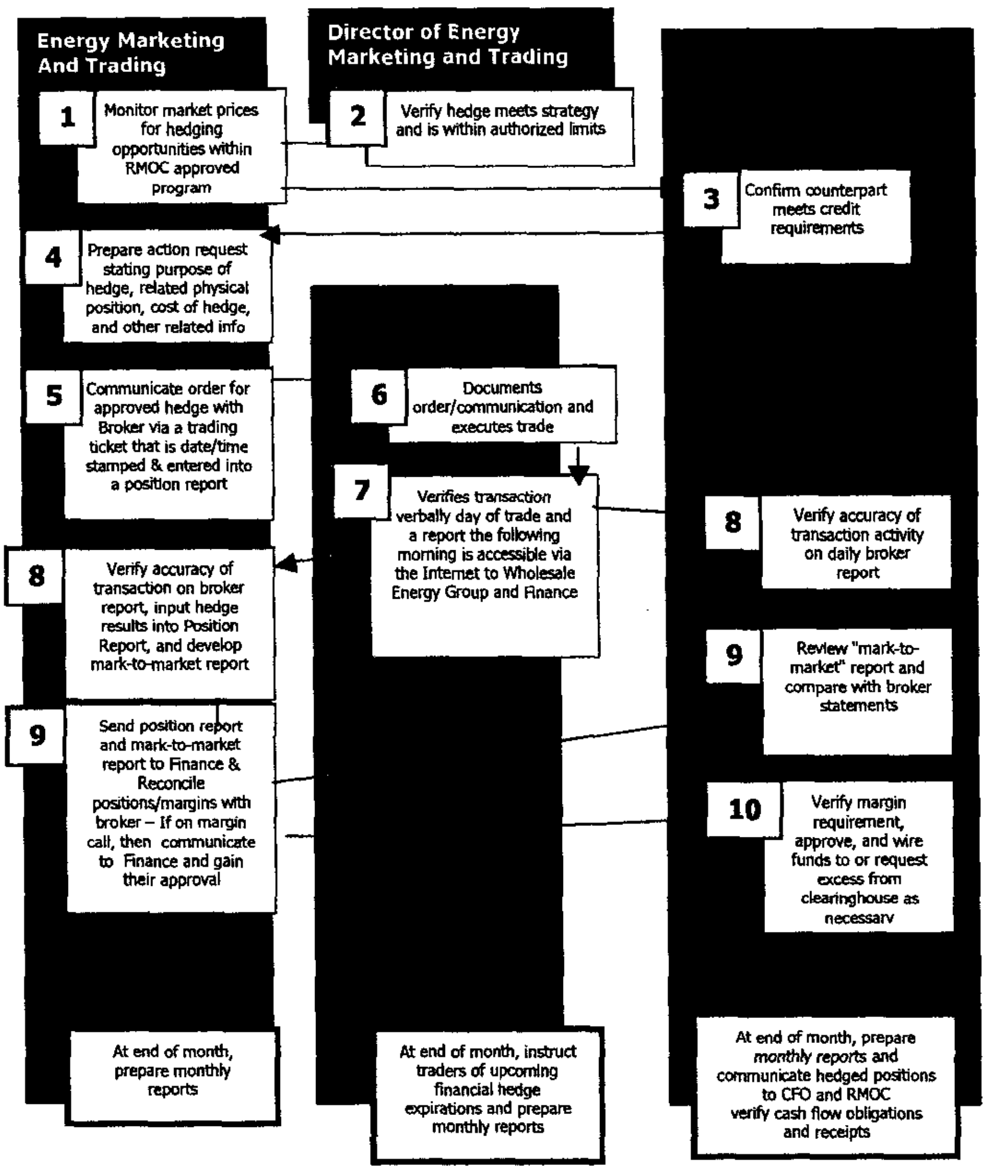
- ✓ Finance reconciles broker and/or counterpart statements with internal Position Report.

2. Review of Transaction/Reporting

- ✓ On a monthly basis, Wholesale Energy Group will review with the RMOC the strategy and positions taken. On a semi-annual basis, the results of the RMP hedge strategy will be reported to the Audit Committee by the RMOC.

APPENDIX 6

PROCEDURAL FLOW FOR HEDGE TRANSACTIONS & RECONCILIATION



***Internal Audit will periodically review process to verify accuracy and compliance**

APPENDIX 7

TRADE TICKET

The ability to internally track hedge transactions is crucial to providing an audit trail whereby all parties involved in the decision-making process are notified of a hedge position. This notification of a transaction is also the primary document in tracking a hedge and providing information for the Position Report. Included in the document will be the volumes hedged, the price or instrument used, the length of time for the hedge, and the counterpart to the transaction. Internal Trade Transaction Ticket(s) are included on the following pages.

Incentive Copy

Energy Trade Confirmation Sheet A

Trader: PSE:

Trade Ticket Number Path:

Date 4/1/2002

HE	MW	$	Cost $	$		MW	$
0100			0			0.00	
0200			0			0.00	
0300			0			0.00	
0400			0			0.00	
0500			0			0.00	
0600			0			0.00	
0700			0			0.00	
0800			0			0.00	
0900			0			0.00	
1000			0			0.00	
1100			0			0.00	
1200			0			0.00	
1300			0			0.00	
1400			0			0.00	
1500			0			0.00	
1600			0			0.00	
1700			0			0.00	
1800			0			0.00	
1900			0			0.00	
2000			0			0.00	
2100			0			0.00	
2200			0			0.00	
2300	25	17.00	425	25	13.00	325.00	
2400	25	17.00	425	25	13.00	325.00	
02AA			0			0.00	
Totals	50	850.00			650.00		
		17.00					
		Net Margin:			200.00		

Comments:

Economy Sale to Company 1

Deal type:

Economy sale/Company 1

Fax or Voice Confirmation

Eligible for Incentive (Y/N): Margin:

Avoided Unit: Asbury Avoided Unit Cost: $/MWH

Incentive amount: Supervisor's initials:

Empire District Electric Company
Internal Trade Transaction Ticket

Trade Ticket No. S33
Trade Date 16-Jun-02
Trade Time 11:30 AM

Buy/Sell	Instrument	Type	Strike Price	Market
Sell	Physical	Normal		OTC
			Premium	

Location

Quality
n/a

Delivery Start Date
14-Jun-02

Exercise Date
n/a

Delivery End Date
17-Jun-02

Settlement Date
01-Jul-02

Volumetric Quantity
Rate per day
Total Qty 8,334 MMBtu
(33,336 total)

Price Differential / Basis
2.7

Price Type
Fixed

Transmission/Transport Charges

Scheduling Requirement

Counterparty

Mark-to-Market Point

Broker Commission

General Comments

Energy Trader: Sam Ellis

Energy Trader's Initial ______

Transaction Objective Based on Empire's Risk Management Policy

Not planning on utilizing some baseload purchase over the weekend, and we are selling to honor Williams pipeline reliability notice dated June 13, 2002, asking that pipeline users do not schedule delieveries in excess of receipts through this coming weekend.

Middle Office - Risk Management ______ Doug Gallemore

Back Office - Accounting ______ Doug Gallemore

Back Office - Tax Accounting ______ Jay Williams

This Transaction complies with:
Ordinary Property Obligations
(IRC Section 1221 (a)(6))

Identification Requirements
(Treas. Regs. Section 1.1221-2(e))

Distribution:
Energy Trading
Risk Management
Tax Accounting
Treasury

APPENDIX 8

CONFIRMATION PROCEDURE

Exchange Traded Confirmations

Wholesale Energy Group will verbally confirm every transaction with broker and/or counterpart on the trade date. Trade confirmations on the daily open position statements will be sent by the broker (on the following business day) to Wholesale Energy Group and Finance. Wholesale Energy Group must check for accuracy on the following business day, input updates into the position report, maintain a mark-to-market report, and forward said report to Finance. Finance is responsible for verifying the confirmation against the transacting records.

Physical and OTC Financial Confirmations

Wholesale Energy Group must verbally confirm every transaction with the broker/counterpart on the trade date. For physical and financially settled OTC transactions, written or email confirmations of the applicable business terms and conditions will be completed by Wholesale Energy Group and forwarded to Finance by the end of the second business day following the trade day. Finance is responsible for verifying the confirmation against the transacting records.

The following procedures will be adhered to at all times:

- The trader will review a copy of the confirmation for completeness and initial the confirmation.
- Confirmations will be completed, signed, and sent to the counterpart by Finance within two business days.
- Original tickets and confirmations will be kept by Finance until after the transaction has settled. Once the transactions have settled, the confirmations and tickets will be maintained.

APPENDIX 9

POSITION REPORT

Empire District Electric
Gas Position Summary as of Aug 20, 2001

	August	September 12 Days Out	October 42 Days Out	Nov-Dec 73 Days Out	Year 2002	Year 2003	Year 2004	Net All Years
Budget Dth	1,906,044	1,321,724	1,456,044	2,933,327	13,577,600	14,296,600	14,512,000	50,003,339
Expected Dth	1,906,044	1,321,724	1,456,044	2,933,327	13,577,600	14,296,600	14,512,000	50,003,339
Policy minimum hedged DTh (3)	1,429,533	991,293	582,418	0	8,146,560	5,718,640	2,902,400	19,770,844
Policy maximum hedged DTh	1,906,044	1,321,724	873,626	586,665	10,862,080	8,577,960	5,804,800	29,932,900
Amount Hedged from Upside Volatility Dth	1,750,000	1,000,000	590,000	400,000	6,200,000	1,200,000	0	11,140,000
percentage	92%	76%	41%	14%	46%	8%	0%	22%
Amount Hedged from Downside Volatility Dth	1,950,000	1,200,000	590,000	400,000	6,200,000	1,200,000	0	11,540,000
percentage	102%	91%	41%	14%	46%	8%	0%	23%
Bookout per physical Dth, all positions	3.541	3.341	3.110	N/A	3.780	3.875	N/A	3.704
Net All Positions Marked to Market $ (1)	(654,850)	(160,550)	59,000	(364,000)	(349,800)	25,600	-	(1,444,600)
PHYSICAL HEDGES								
Purchased DTh (2)	1,750,000	1,000,000	590,000	0	5,600,000	1,200,000	0	10,140,000
Purchased $	6,170,100	3,304,750	1,834,900	-	20,726,000	4,650,000	-	36,685,750
Purchased $/DTh	3.526	3.305	3.110	0.000	3.701	3.875	0.000	3.618
Market $	5,542,250	3,180,000	1,893,900	-	20,819,000	4,675,600	-	36,110,750
Market $/Dth (on Henry Hub)	3.167	3.180	3.210	0.000	3.718	3.896	0.000	3.561
Gain/(Loss) versus current market	(627,850)	(124,750)	59,000	-	93,000	25,600	-	(575,000)
FINANCIAL HEDGES								
Swap Dth	0	0	0	400,000	600,000	0	0	1,000,000
Swap Strike $/Dth	0.000	0.000	0.000	4.485	4.485	0.000	0.000	
Market $/Dth (at Henry Hub or Swap location)	0.000	0.000	0.000	3.575	3.747	0.000	0.000	
Swap Settlement - Receipt / (Payment)	-	-	-	(364,000)	(442,800)	-	-	(806,800)
Call Dth (Buy a Call)	0	0	0	0	0	0	0	0
Call Strike $/Dth	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Market $/Dth (at Henry Hub or Swap location)	0.000	3.180	3.210	0.000	3.718	3.896	0.000	
Cost of Call $/Dth	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	
Value $ of Call Position	-	-	-	-	-	-	-	-
(Cost) $ of Call Position	-	-	-	-	-	-	-	-
Collar Dth	-	-	-	-	-	-	-	0
Floor $/Dth	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Ceiling $/Dth	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Market $/Dth (at Henry Hub or Swap location)	0.000	0.000	0.000	0.000	0.000	3.896	0.000	
Cost of Floor $/Dth	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Value of Ceiling $/Dth	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(Cost) / Value $ of Collar Position	-	-	-	-	-	-	-	0
Put Dth (Sell a Put)	200,000	200,000	0	0	0	0	0	400,000
Put Strike $/Dth	3.500	3.500	0.000	0.000	0.000	0.000	0.000	
Market $/Dth (at Henry Hub or Swap location)	3.167	3.128	0.000	0.000	0.000	0.000	0.000	
Revenue from Put $/Dth	0.198	0.193	0.000	0.000	0.000	0.000	0.000	
Value $ of Put Position	-	-	-	-	-	-	-	-
(Cost) $ of Put Position	(27,000)	(35,800)	-	-	-	-	-	(62,800)

Note 1: Market data using NYMEX Open Prices as of August 20, 2001.

Note 2: A counterparty exercised the August put option for 170,000 Dth. Net cost for the transaction is $3.80 and is included in physical commodity.

Note 3: Policy minimums for years 2002-2004 are 12/31/2001 hedging targets.

APPENDIX 10

MARK-TO-MARKET REPORT

As mentioned previously, all positions will be "mark-to-market" (using the appropriate NYMEX prices) weekly. This analysis is performed by Wholesale Energy Group to appropriately reflect the current value and cash flows associated with open positions and to provide timely information regarding EDE market risk and exposure. Wholesale Energy Group is responsible for verifying the validity and accuracy of the market data used in mark-to-market calculations through the position report on a daily basis.

Following is an example of the mark-to-market report: (Replace with one from Position Report.

MARK-TO-MARKET REPORT

Report Date: *04/03/2001*

Period	Instrument	Counterparty	Trade Date	Days in Month	MMBtus Purchased Per Month	Fixed Price	NYMEX Futures Market Price	Gain/Loss
2001								
May 2001	Future	NYMEX	10/15/2000	31	10,000	5.000	5.115	1,150
June 2001	Future	NYMEX	10/15/2000	30	10,000	4.950	5.160	2,100
June 2001	Future	NYMEX	11/20/2000	30	10,000	4.900	5.160	2,600
July 2001	Future	NYMEX	11/20/2000	31	10,000	5.300	5.210	(900)
July 2001	Future	NYMEX	10/15/2000	31	10,000	5.200	5.210	100
July 2001	Future	NYMEX	02/15/2001	31	10,000	5.100	5.210	1,100
August 2001	Future	NYMEX	11/01/2000	31	10,000	5.100	5.237	1,370
August 2001	Future	NYMEX	11/15/2000	31	10,000	5.050	5.237	1,870
August 2001	Future	NYMEX	03/01/2001	31	10,000	5.000	5.237	2,370
September 2001	Swap	Dynegy	11/01/2000	30	100,000	4.800	5.213	41,300
September 2001	Future	NYMEX	11/15/2000	30	10,000	4.750	5.213	4,630
October 2001	Swap	Enron	11/01/2000	31	100,000	4.900	5.217	31,700
November 2001	Future	NYMEX	11/01/2000	30	10,000	5.200	5.330	1,300
November 2001	Swap	Enron	03/01/2001	30	50,000	5.250	5.330	4,000
December 2001	Future	NYMEX	11/01/2000	31	10,000	5.100	5.440	3,400
December 2001	Swap	Dynegy	03/01/2001	31	50,000	5.200	5.440	12,000

APPENDIX 11

DAILY BROKER ACCOUNT STATEMENT

The RMI Account Statement shown below is an illustration of the daily report that Wholesale Energy Group and Finance can access on the Internet and will receive a hard copy via US mail from the broker to verify and confirm the previous day's trading activities:

MIDAS — A Product of Man Financial — Help

eMIDAS Reports | Query | Snapshots | Tools | Logoff

Apr 2001

Back

Reports

```
2/20/01     F1   1              MAR 02 NY NATURAL GAS        4.970    US          290.00
3/12/01     F1   1              MAR 02 NY NATURAL GAS        4.900    US          990.00
3/21/01     F1   2              MAR 02 NY NATURAL GAS        5.036    US          740.00DR
3/22/01     F1   1              MAR 02 NY NATURAL GAS        5.050    US          510.00DR
3/23/01     F1          1       MAR 02 NY NATURAL GAS        5.040    US          410.00
                 10 *   1 *                 CLOSE PRICE      4.999    **      127,580.00 *
                                AVG LONG     3.727  AVG SHORT 5.040
3/08/01     F1   2              CALL MAR 02 NY NAT GAS  6350  .490    US                      9,6
2/25/02-X        2 *    *         .7 DQ  .370 DF CLOSE PRICE  .483    **             .00 *    9,6
                                AVG LONG      .490
3/30/99     F1   2              APR 02 NY NATURAL GAS        2.335  X US       44,040.00
5/17/99     F1   1              APR 02 NY NATURAL GAS        2.441  X US       20,960.00
9/28/99     F1   1              APR 02 NY NATURAL GAS        2.575  X US       19,620.00
                 4 *    *                   CLOSE PRICE      4.537    **       84,620.00 *
                                AVG LONG     2.421
4/29/99     F1   1              MAY 02 NY NATURAL GAS        2.400  X US       20,220.00
6/30/99     F1   1              MAY 02 NY NATURAL GAS        2.410  X US       20,120.00
                 2 *    *                   CLOSE PRICE      4.422    **       40,340.00 *
                                AVG LONG     2.405
5/28/99     F1   1              JUN 02 NY NATURAL GAS        2.420  X US       20,070.00
                 1 *    *                   CLOSE PRICE      4.427    **       20,070.00 *
                                AVG LONG     2.420
9/02/99     F1   1              SEP 02 NY NATURAL GAS        2.475  X US       19,760.00
                 1 *    *                   CLOSE PRICE      4.451    **       19,760.00 *
                                AVG LONG     2.475
9/30/99     F1   2              OCT 02 NY NATURAL GAS        2.570  X US       37,640.00
                 2 *    *                   CLOSE PRICE      4.452    **       37,640.00 *
                                AVG LONG     2.570
2/23/01     F1   1              NOV 02 NY NATURAL GAS        4.520    US          470.00
2/27/01     F1   1              NOV 02 NY NATURAL GAS        4.550    US          170.00
                 2 *    *                   CLOSE PRICE      4.567    **          640.00 *
                                AVG LONG     4.535
2/23/01     F1   1              DEC 02 NY NATURAL GAS        4.620    US          460.00
2/27/01     F1   1              DEC 02 NY NATURAL GAS        4.650    US          150.00
                 2 *    *                   CLOSE PRICE      4.665    **          600.00 *
                                AVG LONG     4.635
                                                          NET FUT:     246.5
CONVERSION TO US    181,415.45DR ACB   1,686,600.00  OTE          .00  NV   1,534,074.55  LV   1,505,184.
                    364,827.55   N/E     364,827.55  UF           .00  TC      82,090.00  LOV     53,200.
                           .00   LIN     15,540.00DR SIN  15,540.00DR  NIN  1,169,247.00  FIR    966,109.
                           .00   ULV            .00  USU 181,415.45DR  TB            .00  EIR          .
                                                .00  COM          .00  SRL                       181,415.
```

Use of this site constitutes acceptance of Terms of Use. | Information on System Requirements. A word about your Privacy. | Send comments and suggestions to: webmaster@manfinancial.com | Copyright © Man Financial Inc. All Rights Reserved.

APPENDIX 12

TRADING AUTHORIZATION

	Physical Power Purchases and Sales	Other Physical and Financial Transactions
Rick McCord	Up to 2 years and $5 million	Up to 2 years and $5 million
Katie Barton	Next 7 days and up to $5 million	Next 7 days and up to $5 million
Sam Ellis	Next 7 days and up to $5 million	Next 7 days and up to $5 million
Greg Sweet	Next 7 days and $5 million	Next 7 days and up to $5 million
Karl Doner	Next 3 days	None
John Deffenbaugh	Next 3 days	None
Jim Graham	Next 3 days	None
Bob Hallam	Next 3 days	None
Kenny Myers	Next 3 days	None
Jim Johnston	Next 3 days	None
Mike Stuart	Next 3 days	None

- The persons listed above are authorized only to engage in the types of transactions specifically approved by the RMOC and the Energy Risk Management Policy.

- Although system dispatchers should do whatever is necessary to ensure system reliability, they should immediately notify the Director of Wholesale Energy in the event they enter into a single transaction exceeding $250,000 in a calendar day.

- Transactions of duration greater than two (2) years and less than $5 million must be approved by the Vice President – Energy Supply.

Transactions greater than $5 million must be approved by the RMOC or, in the event the RMOC cannot meet, by at least two-thirds (2/3) of Senior Officers appointed to the RMOC.

WILLIAMS GAS PIPELINES CENTRAL, INC.
ORIGINAL

IN ACCOUNT WITH:

01511
EMPIRE DISTRICT ELECTRIC CO
ATTENTION: KATIE BARTON
602 JOPLIN STREET
P. O. BOX 127
JOPLIN, MO 64802-0000

INVOICE ID: 1-TNS-0602-01511

INVOICE DATE: 07/11/2002

FOR THE MONTH OF: 06/2002

DUE DATE: 07/21/2002

TRANSPORTATION CHARGE PURSUANT TO CONTRACT 1TA0907	$ 164,983.65
TRANSPORTATION CHARGE PURSUANT TO CONTRACT 1TA8251	$ 303,185.53
INVOICE TOTAL AMOUNT	$ 468,169.18

FOR QUESTIONS CONCERNING THIS INVOICE OR STATEMENT PLEASE CONTACT SCOTT LAMAR
CUSTOMER SERVICE ACCOUNTING 1-270-688-6471 (IN-OWENSBORO)

** INTEREST WILL BE CHARGED ON PAST DUE BALANCES **

REMITTANCE ADDRESS:
WILLIAMS GAS PIPELINES CENTRAL, INC.
P.O. BOX 94174
TULSA, OK 74194-0000

ELECTRONIC FUNDS TRANSFER ADDRESS:
CITIBANK, N.A.
ABA#: 0 -210-0008-9
A/C#: 4056-5372
NEW YORK, NY

JUL-11-2002 13:58 WILLIAMS

Schedule BPB-6

WILLIAMS GAS PIPELINES CENTRAL, INC.
REMITTANCE PAGE - ORIGINAL

01511
EMPIRE DISTRICT ELECTRIC CO
ATTENTION: KATIE BARTON
602 JOPLIN STREET
P. O. BOX 127
JOPLIN, MO 64802-0000

INVOICE ID: 1-TNS-0602-01511

INVOICE DATE: 07/11/02

FOR THE MONTH OF: 06/2002

DUE DATE: 07/21/2002

AMT DUE

CURRENT INVOICE AMOUNT $ 468,169.18

CHECK AMOUNT ______

VOLUNTARY GRI CONTRIBUTION: ___ AMOUNT: ______

PROJECT OR PROJECT AREA TO BE FUNDED: ______

DOCUMENT DISPUTES

PROJECT OR PROJECT AREATO BE FUNDED

INVOICE ID	LINE NUMBER	INVOICED AMOUNT	QUANTITY	UNIT PRICE	DISPUTE RATE	DISPUTE QUANTITY	DELIVERY LOCATION

PLEASE RETURN THIS PAGE WITH PAYMENT

FOR QUESTIONS CONCERNING THIS INVOICE OR STATEMENT CONTACT
CUSTOMER SERVICE ACCOUNTING
SCOTT LAMAR 1-270-688-6471 (IN-OWENSBORO)

REMITTANCE ADDRESS:
WILLIAMS GAS PIPELINES CENTRAL, INC.
P.O. BOX 94174
TULSA, OK 74194-0000

ELECTRONIC FUNDS TRANSFER ADDRESS:
CITIBANK, N.A.
ABA#: 0 -210-0008-9
A/C#: 4056-5372
NEW YORK, NY

TRANSPORTER: EMPIRE DIST ELC 01511 WILLIAMS GAS PIPELINES CENTRAL, INC. 07/11/2002 PAGE 4
TA0907 - PTS - PRODUCTION CHARGE SUMMARY STATEMENT 11:07:27
FOR THE MONTH OF: JUNE 2002

LINE NO.	CHARGE TYPE	CONTRACT NUMBER DELIVERY LOC	RA CONTRACT NAME	CONTRACT MDTQ OR MDQ	DATE ADJUST	ADJ TYPE	QUANTITY	DISC.	UNIT PRICE		AMOUNT DUE
RELEASED CAPACITY											
- NO RELEASED CAPACITY -											0.00
CONTRACT LEVEL CHARGES											
0001	RES			29301			29301		0.16040		4,699.86
0002	RES			29301			29301	*	3.33030	Fixed	97,581.12
CHARGES BASED ON VOLUMES TRANSPORTED											
0003	CMB			879030			508895	A	0.00040	Volume	203.56
0004	CMD			879030			508895		0.01240		6,310.30
							508,895	×	0.0128	=	6,513.86
MISC. SURCHARGES											
- NO MISC. SURCHARGES -											0.00
INVOICE AMOUNT FOR TA0907 -PTS- PRODUCTION											108,794.86

Note: Additional A Charges in Market Zone.

TRANSPORTER: EMPIRE DIST ELC 01511
TA0907 - FTS - PRODUCTION AREA - RECEIPT

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS
FUEL-IN-KIND PERCENT = 1.64

ADJ DATE/ TYPE	LOC #	LOCATION NAME	SELLER #	SELLER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	ALLOCATED	FUEL	QUANTITY TRANSPORT
CURRENT MONTH RECEIPT VOLUMES:												
	999050	PRD POOL	05338	WILLIAMS ENERGY	1KH0026			NOM	160,008	160,008	2,624	157,384
	999050	PRD POOL	09886	E PRIME INC	1KH8446			NOM	195,475	195,475	3,206	192,269
	999050	PRD POOL	09886	E PRIME INC	1SE8446			NOM	161,882	161,882	2,655	159,227
CURRENT MONTH RECEIPT VOLUMES: TOTAL									517,365	517,365	8,485	508,880
PRIOR PERIOD RECEIPT ADJUSTMENTS:									0	0	0	0
* - NO RECEIPT ADJUSTMENTS -*												
PRIOR PERIOD RECEIPT ADJUSTMENTS: TOTAL									0	0	0	0
TOTAL RECEIPTS:										517,365	8,485	508,880

$\frac{8485}{517365} = 1.64\%$

B, B,

Note: Additional B charges in market zone

TRANSPORTER: EMPIRE DIST ELC 01511
TA0907 - FTS - PRODUCTION AREA - DELIVERY

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS

ADJ DATE/ TYPE	LOC #	LOCATION NAME	CSM #	CONSUMER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	QUANTITY TRANSPORT	D I S C	A C A	G R I
CURRENT MONTH DELIVERY VOLUMES:													
	999000	PRD/MKT INTERFA	01511	EMPIRE DIST ELC	1TA0907			NOM	457,895	457,895			
	999000	PRD/MKT INTERFA	08629	TENASKA MKT INC	1RA5838			NOM	51,000	51,000			

CURRENT MONTH DELIVERY VOLUMES: TOTAL 508,895

PRIOR PERIOD DELIVERY ADJUSTMENTS

0 0

* - NO DELIVERY ADJUSTMENTS - *

PRIOR PERIOD DELIVERY ADJUSTMENTS TOTAL 0

TOTAL DELIVERIES: 508,895

CURRENT MONTH BALANCE FOR TA0907 - FTS - PRODUCTION AREA	15
BEGINNING BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0
NETTING TRANSFER TO 01511 15-	(15)
INJECTION OR WITHDRAWAL FROM STORAGE: (-) WITHDRAWAL (+) INJECTION	0
CASHOUT	0
BALANCING FEE FUEL	0
NET MONTH END BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0

JUL-11-2002 14:00 WILLIAMS

P.09/19

270 683 8978

TRANSPORTER: EMPIRE DIST ELC 01511

TA0907 - FTS - MARKET

WILLIAMS GAS PIPELINES CENTRAL, INC.
CHARGE SUMMARY STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002

11:07:27

LINE NO.	CHARGE TYPE	CONTRACT NUMBER DELIVERY LOC	RA CONTRACT NAME	CONTRACT MDTQ OR MDQ	DATE ADJUST	ADJ TYPE	QUANTITY	DISC.	UNIT PRICE	AMOUNT DUE
RELEASED CAPACITY										
- NO RELEASED CAPACITY -										0.00
CONTRACT LEVEL CHARGES										
0005	GRH						28800	*	0.00000	0.00
0006	RES			28800			28800		0.16040	4,619.52
0007	RES			28800			28800	*	1.61530	46,520.64
CHARGES BASED ON VOLUMES TRANSPORTED										
0008	CMB			864000			587049	A	0.00040	234.82
0009	CMD			864000			587049		0.00610	3,581.00
MISC. SURCHARGES										
0010	ACA						587049	A	0.00210	1,232.81
0011	GRI						587049	*	0.00000	0.00
INVOICE AMOUNT FOR TA0907 -FTS- MARKET							587049	x	0.0086 = 5,048.63	56,188.79
INVOICE AMOUNT FOR TA0907 -FTS-										164,983.65

WILLIAMS

JUL-11-2002 14:00

TRANSPORTER: EMPIRE DIST ELC 01511
TA0907 - FTS - MARKET AREA - RECEIPT

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS
FUEL-IN-KIND PERCENT = .690

ADJ DATE/ TYPE	LOC #	LOCATION NAME	SELLER #	SELLER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	ALLOCATED	FUEL	QUANTITY TRANSPORT
CURRENT MONTH RECEIPT VOLUMES:												
	999000	PRD/MKT INTERPA	01511	EMPIRE DIST ELC	1TA0907			NOM	457,895	457,895	3,159	454,736
CURRENT MONTH RECEIPT VOLUMES: TOTAL									457,895	457,895	3,159	454,736
PRIOR PERIOD RECEIPT ADJUSTMENTS:									0	0	0	0
* - NO RECEIPT ADJUSTMENTS -*												
PRIOR PERIOD RECEIPT ADJUSTMENTS: TOTAL									0	0	0	0
TOTAL RECEIPTS:										457,895	3,159	454,736

$\frac{3159}{457895} = 0.69\%$

TRANSPORTER: EMPIRE DIST ELC 01511
TA0907 - FTS - MARKET AREA - DELIVERY

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS

ADJ DATE/ TYPE	LOC #	LOCATION NAME	CSM #	CONSUMER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	QUANTITY TRANSPORT	DISC	ACA	GRI
CURRENT MONTH DELIVERY VOLUMES:													
	378501	EMPIRE DISTRICT	01511	EMPIRE DIST ELC				DF1	240	29,096	*	*	*
	378502	EMPIRE LARUSSEL	01511	EMPIRE DIST ELC				DF1	240	37,612	*	*	*
	378503	EMPIRE STATELIN	01511	EMPIRE DIST ELC				DF1	240	79,267	*	*	*
	378504	STATE LINE UNIT	01511	EMPIRE DIST ELC				DF1	454,022	441,074	*	*	*

CURRENT MONTH DELIVERY VOLUMES: TOTAL 587,049

PRIOR PERIOD DELIVERY ADJUSTMENTS

0 0 * * *

* - NO DELIVERY ADJUSTMENTS - *

PRIOR PERIOD DELIVERY ADJUSTMENTS TOTAL 0

TOTAL DELIVERIES: 587,049

CURRENT MONTH BALANCE FOR TA0907 - FTS - MARKET AREA	132,313
BEGINNING BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0
NETTING TRANSFER TO 01511 132313-	(132,313)
INJECTION OR WITHDRAWAL FROM STORAGE: (-) WITHDRAWAL (+) INJECTION	0
CASHOUT	0
BALANCING FEE FUEL	0
NET MONTH END BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0

JUL-11-2002 10:41

TRANSPORTER: EMPIRE DIST ELC 01512
TA8251 - FTS - PRODUCTION

LINE NO.	CHARGE TYPE	CONTRACT NUMBER DELIVERY LOC	RA CONTRACT NAME	CONTRACT MDTQ OR MDQ	DATE ADJUST	ADJ TYPE	QUANTITY	DISC.	UNIT PRICE	AMOUNT DUE
RELEASED CAPACITY										
- NO RELEASED CAPACITY -										0.00
CONTRACT LEVEL CHARGES										
0012	RSB			55646			55646		0.16040	8,925.62
0013	RES			55646			55646	*	3.36810	187,421.29
CHARGES BASED ON VOLUMES TRANSPORTED										
0014	CMB			1669380			410655		0.00040	164.26
0015	CMD			1669380			410655		0.01240	5,092.12
MISC. SURCHARGES										
- NO MISC. SURCHARGES -										0.00

INVOICE AMOUNT FOR TA8251 -FTS- PRODUCTION 201,603.29

TRANSPORTER: EMPIRE DIST ELC 01511
TA8251 - PTS - PRODUCTION AREA - RECEIPT

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS
FUEL-IN-KIND PERCENT = 1.64

ADJ DATE/ TYPE	LOC #	LOCATION NAME	SELLER #	SELLER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	ALLOCATED	FUEL	QUANTITY TRANSPORT
CURRENT MONTH RECEIPT VOLUMES:												
	999050	PRD POOL	02626	KANSAS GAS	1KH0003			NOM	67,500	67,500	1,107	66,393
	999050	PRD POOL	05219	ONEOK ENERGY M	1CB0001			NOM	10,000	10,000	164	9,836
	999050	PRD POOL	05338	WILLIAMS ENERGY	1CB0026			NOM	55,000	55,000	902	54,098
	999050	PRD POOL	07437	ANADARKO ENERGY	1CB0008			NOM	185,000	185,000	3,034	181,966
	999060	PRD STORAGE TRA	05338	WILLIAMS ENERGY	1SA0075			NOM	10,000	10,000	164	9,836
	999060	PRD STORAGE TRA	09631	TENASKA GAS	1SA0070			NOM	90,000	90,000	1,476	88,524
CURRENT MONTH RECEIPT VOLUMES: TOTAL									417,500	417,500	6,847	410,653
PRIOR PERIOD RECEIPT ADJUSTMENTS:									0	0	0	0
* - NO RECEIPT ADJUSTMENTS -*												
PRIOR PERIOD RECEIPT ADJUSTMENTS: TOTAL									0	0	0	0
TOTAL RECEIPTS:										417,500	6,847	410,653

ADJ DATE/ TYPE	LOC #	LOCATION NAME	CSM #	CONSUMER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	QUANTITY TRANSPORT	D I S C	A C A	G R I
CURRENT MONTH DELIVERY VOLUMES:													
	999000	PRD/MKT INTERFA	01511	EMPIRE DIST ELC	1TA8251			NOM	410,655	410,655			
CURRENT MONTH DELIVERY VOLUMES: TOTAL										410,655			
PRIOR PERIOD DELIVERY ADJUSTMENTS									0	0			
* - NO DELIVERY ADJUSTMENTS - *													
PRIOR PERIOD DELIVERY ADJUSTMENTS TOTAL										0			
TOTAL DELIVERIES:										410,655			

CURRENT MONTH BALANCE FOR TA8251 - FTS - PRODUCTION AREA	2
BEGINNING BALANCE: (+) DUE WILLIAMS ( ) DUE SHIPPER	0
NETTING TRANSFER TO 01511 2-	(2)
INJECTION OR WITHDRAWAL FROM STORAGE: (-) WITHDRAWAL (+) INJECTION	0
CASHOUT	0
BALANCING FEE FUEL	0
NET MONTH END BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0

JUL-11-2002 14:02 WILLIAMS

TRANSPORTER: EMPIRE DIST ELC 01511
TA8251 - FTS - MARKET

WILLIAMS GAS PIPELINES CENTRAL, INC.
CHARGE SUMMARY STATEMENT
FOR THE MONTH OF: JUNE 2002

LINE NO.	CHARGE TYPE	CONTRACT NUMBER DELIVERY LOC	RA CONTRACT NAME	CONTRACT MDTQ OR MDQ	DATE ADJUST	ADJ TYPE	QUANTITY	DISC.	UNIT PRICE	AMOUNT DUE
RELEASED CAPACITY										
- NO RELEASED CAPACITY -										0.00
CONTRACT LEVEL CHARGES										
0016	GRH						55000	*	0.00000	0.00
0017	RSB			55000			55000		0.16040	8,822.00
0018	RES			55000			55000	*	1.62460	89,353.00
CHARGES BASED ON VOLUMES TRANSPORTED										
0019	CMB			1650000			396190		0.00040	158.48
0020	CMD			1650000			396190		0.00610	2,416.76
MISC. SURCHARGES										
0021	ACA						396190		0.00210	832.00
0022	GRI						396190	*	0.00000	0.00

INVOICE AMOUNT FOR TA8251 -FTS- MARKET 101,582.24

INVOICE AMOUNT FOR TA8251 -FTS- 303,185.53

TRANSPORTER: EMPIRE DIST ELC 01511
TA8251 - FTS - MARKET AREA - RECEIPT

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS
FUEL-IN-KIND PERCENT = .690

ADJ DATE/ TYPE	LOC #	LOCATION NAME	SELLER #	SELLER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	ALLOCATED	FUEL	QUANTITY TRANSPORT
CURRENT MONTH RECEIPT VOLUMES:												
	999000	PRD/MKT INTERFA	01511	EMPIRE DIST ELC	1TA8251			NOM	410,655	410,655	2,834	407,821
		CURRENT MONTH RECEIPT VOLUMES: TOTAL							410,655	410,655	2,834	407,821
PRIOR PERIOD RECEIPT ADJUSTMENTS:												
									0	0	0	0
* - NO RECEIPT ADJUSTMENTS -*												
		PRIOR PERIOD RECEIPT ADJUSTMENTS: TOTAL							0	0	0	0
		TOTAL RECEIPTS:								410,655	2,834	407,821

TRANSPORTER: EMPIRE DIST ELC 01511
TA8251 - FTS - MARKET AREA - DELIVERY

WILLIAMS GAS PIPELINES CENTRAL, INC.
ALLOCATED VOLUMES STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002 11:04:25
ALL VOLUMES ARE DEKATHERMS

ADJ DATE/ TYPE	LOC #	LOCATION NAME	CSM #	CONSUMER NAME	OTHER SHIPPER CON#	PKG ID #	PKG RNK	ALLOC METHOD TYPE\OPR RNK	GRS NOMS	QUANTITY TRANSPORT	DISC	IACA	GRRI
CURRENT MONTH DELIVERY VOLUMES:													
	378504	STATE LINE UNIT	01511	EMPIRE DIST ELC				DF1	407,820	396,190	*	*	*
		CURRENT MONTH DELIVERY VOLUMES: TOTAL								396,190			
PRIOR PERIOD DELIVERY ADJUSTMENTS													
									0	0	*	*	*
* - NO DELIVERY ADJUSTMENTS - *													
		PRIOR PERIOD DELIVERY ADJUSTMENTS TOTAL								0			
		TOTAL DELIVERIES:								396,190			

CURRENT MONTH BALANCE FOR TA8251 - FTS - MARKET AREA	(11,631)
BEGINNING BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0
NETTING TRANSFER TO 01511 11631	11,631
INJECTION OR WITHDRAWAL FROM STORAGE: (-) WITHDRAWAL (+) INJECTION	0
CASHOUT	0
BALANCING FEE FUEL	0
NET MONTH END BALANCE: (+) DUE WILLIAMS (-) DUE SHIPPER	0

JUL-11-2002 14:03 WILLIAMS

TRANSPORTER: EMPIRE DIST ELC 01511

WILLIAMS GAS PIPELINES CENTRAL, INC.
IMBALANCE STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002

11:04:25

P - PRODUCTION AREA
M - MARKET AREA

(-): BALANCE DUE SHIPPER
(+): BALANCE DUE WILLIAMS

CON#	AREA	DTR ACC	BEG BAL (AS IS)	GRS RCP (-)	FUE (+)	GRS DLV (+)	CON#	STO INJ (+)	STO WDR (-)	BAL TRSF/NET (+)	PRELIM BAL (=)	CASH OUT (+)	BAL FUE (+)	END BAL (=)	OUT OF TOL
IMBAL	P	06/02	3,593	0	0	0		0	0	17	3,610	0	0	3,610	
TA0907	P	06/02	0	517,365	8,485	508,895		0	0	(15)	0	0	0	0	
TA8251	P	06/02	0	417,500	6,847	410,655		0	0	(2)	0	0	0	0	
AREA P			3,593	934,865	15,332	919,550		0	0	0	3,610	0	0	3,610	
							TOLERANCE VOL =		91,955						0
IMBAL	P	05/02	3,599	0	0	0		0	0	(6)	3,593	0	0	3,593	
TA0907	P	05/02	0	499,464	8,191	491,267		0	0	6	0	0	0	0	
TA8251	P	05/02	0	410,000	6,724	403,276		0	0	0	0	0	0	0	
AREA P			3,599	909,464	14,915	894,543		0	0	0	3,593	0	0	3,593	
							TOLERANCE VOL =		89,454						0
IMBAL	P	04/02	3,541	0	0	0		0	0	58	3,599	0	0	3,599	
TA0907	P	04/02	0	450,560	7,390	443,167		0	0	3	0	0	0	0	
TA8251	P	04/02	0	577,297	9,468	567,890		0	0	(61)	0	0	0	0	
AREA P			3,541	1,027,857	16,858	1,011,057		0	0	0	3,599	0	0	3,599	
							TOLERANCE VOL =		101,106						0
IMBAL	M	06/02	(35,380)	0	0	0		0	0	120,682	85,302	0	0	85,302	
TA0907	M	06/02	0	457,895	3,159	587,049		0	0	(132,313)	0	0	0	0	
TA8251	M	06/02	0	410,655	2,834	396,190		0	0	11,631	0	0	0	0	
AREA M			(35,380)	868,550	5,993	983,239		0	0	0	85,302	0	0	85,302	
							TOLERANCE VOL =		98,324						0
IMBAL	M	05/02	26,638	0	0	0		0	0	(62,018)	(35,380)	0	0	(35,380)	

TRANSPORTER: EMPIRE DIST ELC 01511

WILLIAMS GAS PIPELINES CENTRAL, INC
IMBALANCE STATEMENT
FOR THE MONTH OF: JUNE 2002

07/11/2002

P - PRODUCTION AREA
M - MARKET AREA

(-): BALANCE DUE SHIPPER
(+): BALANCE DUE WILLIAMS

CON#	AREA	DTE ACC	BEG BAL (AS IS)	GRS RCP (-)	FUE (+)	GRS DLV (+)	CON#	STO INJ (+)	STO WDR (-)	BAL TRSF/NET (+)	PRELIM BAL (=)	CASH OUT (+)	BAL FUE (+)	END BAL (=)	OUT OF TOL
TA0907	M	05/02	0	491,267	3,390	475,995		0	0	11,882	0	0	0	0	
TA8251	M	05/02	0	403,276	2,783	350,357		0	0	50,136	0	0	0	0	
AREA M			26,638	894,543	6,173	826,352		0	0	0	(35,380)	0	0	(35,380)	
							TOLERANCE VOL =		82,635						0
IMBAL	M	04/02	566	0	0	0		0	0	26,072	26,638	0	0	26,638	
TA0907	M	04/02	0	443,167	3,058	470,688		0	0	(30,579)	0	0	0	0	
TA8251	M	04/02	0	567,890	3,918	559,465		0	0	4,507	0	0	0	0	
AREA M			566	1,011,057	6,976	1,030,153		0	0	0	26,638	0	0	26,638	
							TOLERANCE VOL =		103,015						0

Williams.

GAS PIPELINES - Central

ONE OF THE WILLIAMS COMPANIES, INC.

P. O. BOX 20008 3800 FREDERICA STREET
OWENSBORO, KENTUCKY 42304-0008
TEL. (270) 926-8686

GAS REVENUE ACCOUNTING
FAX MESSAGE

DATE: 07/11/2002 # PAGES INCLUDING COVER SHEET:

TO: Doug Gallemore COMPANY: EMPIRE

FAX #: (417) 625-5142 PHONE #:

FROM: Dennis Wathen PHONE #: (270) 688-6443

COMMENTS: Customer 1511 Monthly Invoice

FAX NUMBER FOR GAS REVENUE ACCOUNTING :

*** (270) 683-8978 ***

If there is a problem with this transmission, call (270) 688-6783, or call the sender.

SEPTEMBER 2002

Schedule BPB-7

RATES EFFECTIVE AS OF SEPTEMBER 1, 2002

Williams Gas Pipelines Central, Inc
FERC Gas Tariff
Original Volume No. 1

Twelfth Revised Sheet No. 6
Superseding
Eleventh Revised Sheet No. 6

STATEMENT OF RATES FOR TRANSPORTATION OF NATURAL GAS
AND OTHER RELATED SERVICES

		Minimum Rate 1/	Maximum Rate 1/
TSSP	No Notice Fee	$ .0000	$ .0154
	Reservation - FSS - Deliverability	.0000	.5001
	Reservation - FSS - Capacity 4/	.0000	.0285
	Reservation - FTS-P	.0000	5.6118
	Injection - FSS	.0122	.0122
	Withdrawal - FSS	.0122	.0122
	Commodity - FTSP	.0124	.0124
	Authorized Overrun - FSS 2/	.0000	.0570
	Authorized Overrun - FTSP	.0124	.1969
TSSM	NoNotice Fee	.0000	.0154
	Reservation - FSS - Deliverability	.0000	.5001
	Reservation - FSS - Capacity 4/	.0000	.0285
	Reservation - FTS-P 3/	.0000	5.6118
	Reservation - FTS-M	.0000	2.8014
	Injection - FSS	.0122	.0122
	Withdrawal - FSS	.0122	.0122
	Commodity - FTSP 3/	.0124	.0124
	Commodity - FTSM	.0061	.0061
	Authorized Overrun - FSS 2/	.0000	.0570
	Authorized Overrun - FTSP 3/	.0124	.1969
	Authorized Overrun - FTSM	.0061	.0982
STSP	Commodity	.0124	.7502
	Authorized Overrun	.0124	.7502
STSM	Commodity - STSP 3/	.0124	.3006
	Authorized Overrun - STSP 3/	.0124	.3006
	Commodity - STSM	.0061	.4838
	Authorized Overrun - STSM	.0061	.4838
FTSP	Reservation	.0000	5.6118
	Reservation Balancing Fee	.0000	.1604
	Commodity	.0124	.0124
	Commodity Balancing Fee	.0004	.0004
	Authorized Overrun	.0124	.1969
	Commodity Bal Fee - Auth Overrun	.0004	.0057
FTSM	Reservation	.0000	2.8014
	Reservation Balancing Fee	.0000	.1604
	Commodity	.0061	.0061
	Commodity Balancing Fee	.0004	.0004
	Authorized Overrun	.0061	.0982
	Commodity Bal Fee - Auth Overrun	.0004	.0057
SFTP	Commodity	.0124	.6526
	Commodity Balancing Fee	.0004	.0187
	Authorized Overrun	.0124	.6526
SFTM	Commodity - SFTP 3/	.0124	.3006
	Commodity Bal Fee - SFTP 3/	.0004	.0086
	Authorized Overrun - SFTP 3/	.0124	.3006
	Commodity - SFTM	.0061	.4230
	Commodity Bal Fee - SFTM	.0004	.0243
	Authorized Overrun - SFTM	.0061	.4230

See Page 3 of 3

For Additional Surcharges Applicable to all Rate Schedules, see Sheet No. 6A.
Fuel Reimbursement Percentages applicable to all Rate Schedules are shown on Sheet No. 6B.

1/ Reservation rates are per Dth of MDTQ per month. Commodity Rates are per Dth.
2/ Applicable to Injections/Withdrawals in excess of MDIQ or MDWQ.
3/ FTSP, STSP, & SFTP are only applicable if firm capacity is reserved in the Production Area.
4/ Applied to monthend storage balance.

Issued by: H. Dean Jones II, Vice President, Rates
Issued on: October 10, 2001 Effective on: November 1, 2001

Williams Gas Pipelines Central, Inc
FERC Gas Tariff
Original Volume No. 1

Twentieth Revised Sheet No. 6A
Superseding
Nineteenth Revised Sheet No. 6A

STATEMENT OF RATES FOR TRANSPORTATION OF NATURAL GAS
AND OTHER RELATED SERVICES (CONTINUED)

		Minimum Rate 1/	Maximum Rate 1/
ITS-P	Winter Commodity	$ .0124	$ .1969
	Summer Commodity	.0124	.1600
	Commodity Balancing Fee	.0004	.0057
ITS-M	Winter Commodity	.0061	.0982
	Summer Commodity	.0061	.0798
	Commodity Balancing Fee	.0004	.0057
FSS	Deliverability Reservation	.0000	.5001
	Capacity Reservation 4/	.0000	.0285
	Injection	.0122	.0122
	Withdrawal	.0122	.0122
	Authorized Overrun	.0000	.0570
ISS	Commodity 4/	.0000	.0570
	Injection	.0122	.0122
	Withdrawal	.0122	.0122
PLS-P	Daily Commodity	.0000	.1600
PLS-M	Daily Commodity	.0000	.0798

Additional Surcharges Applicable to all Rate Schedules:

Article 25 - GRI Funding Unit 2/	- Demand - Load Factors > 50%	$ .0660
	- Demand - Load Factors 50% or Less	.0407
	- Commodity - Small Customers	.0088
	- Commodity - Others	.0055
Article 26 - FERC Annual Charge Adjustment		.0021

VOLUMETRIC FIRM CAPACITY RELEASE MAXIMUM RATES 5/
STATED AT 100% LOAD FACTOR

		Maximum Rate
TSS-P	No-Notice Fee	$ .0005
	Reservation - FSS 4/	.0570

	Reservation - FTS-P	.1845
TSS-M	No-Notice Fee	.0005
	Reservation - FSS 4/	.0570
	Reservation - FTS-P	.1845
	Reservation - FTS-M	.0921
FTS-P	Reservation	.1845
	Reservation Balancing Fee	.0053
FTS-M	Reservation .	.0921
	Reservation Balancing Fee	.0053
FSS	Reservation 4/	.0570

Fuel Reimbursement Percentages applicable to all Rate Schedules are shown on Sheet No. 6B.

1/ Reservation rates are per Dth of MDTQ per month. Commodity Rates are per Dth.
2/ Applicable to nondiscounted transportation services.
3/ Exclusive of any surcharges and commodity charges.
4/ Applied to month-end storage balance.
5/ Does not apply to capacity release transactions of less than one year for the period March 27, 2000 until September 30, 2002.

Issued by: H. Dean Jones II, Vice President, Rates
Issued on: November 29, 2001 Effective on: January 1, 2002

Williams Gas Pipelines Central, Inc
FERC Gas Tariff
Original Volume No. 1

Fourth Revised Sheet No. 6B
Superseding
Third Revised Sheet No. 6B

FUEL REIMBURSEMENT PERCENTAGES
FOR ALL RATE SCHEDULES

	Minimum Percent		Maximum Percent	
Storage Injection	.81%		~~.81%~~	2.37%
Production Area	.51% 1/	C_1	1.64%	
Market Area	.51%	C_2	.69%	

1/ Applicable as provided in Article 13.3 of the General Terms and Conditions.

Issued by: H. Dean Jones II, Vice President, Rates
Issued on: November 30, 2001 Effective on: January 1, 2002

Schedule BPB-8

WILLIAMS GAS PIPELINES CENTRAL, INC.
POST OFFICE BOX 20008
OWENSBORO, KENTUCKY 42304-0008
July-02

FAX: 417/625-5156

1511 221674

EMPIRE DISTRICT ELECTRIC
P.O. BOX 127
JOPLIN, MO 64802-0127
ATTN: RICHARD MCCORD

INVOICE NO: GSRDB-0702- 1511

INVOICE DATE: August 1, 2002

DUE DATE: August 15, 2002

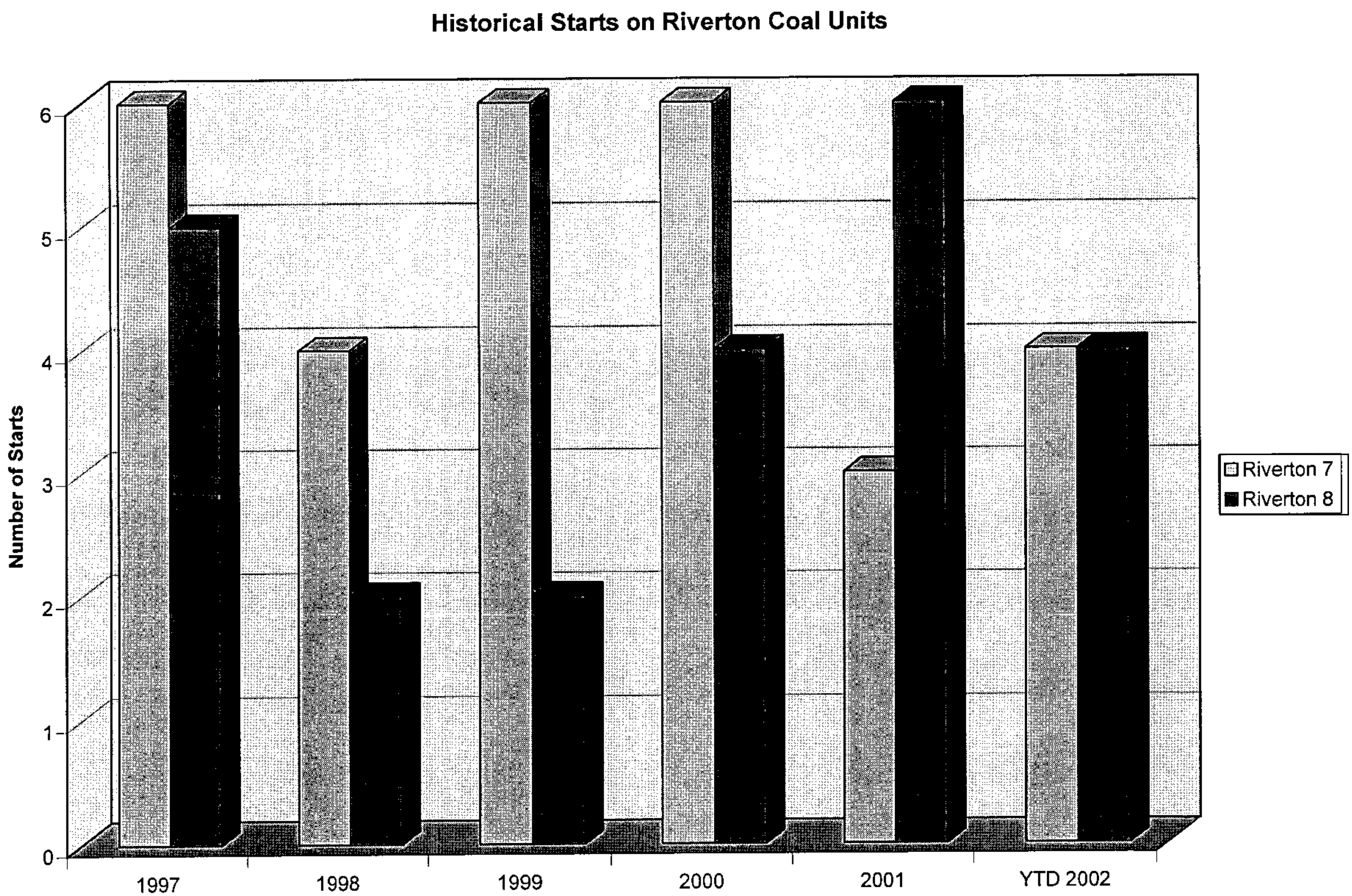
Direct Bill for Recovery of Gas Supply Realignment costs pursuant to Stipulation and Agreement dated June 18, 1999 in Docket No. RP99-257 et al.

GSR BALANCE FORWARD		$135,201.70
INTEREST @ 4.75%	7/1/2002 - 7/31/2002	$614.94
TOTAL GSR DIRECT BILL @ 8/1/2002		$135,816.64
MINIMUM PAYMENT DUE		
PRINCIPAL		$22,533.61
INTEREST		$614.94
PAST DUE PRINCIPAL		$0.00
PAST DUE INTEREST		$0.00
MINIMUM AMOUNT DUE		$23,148.55

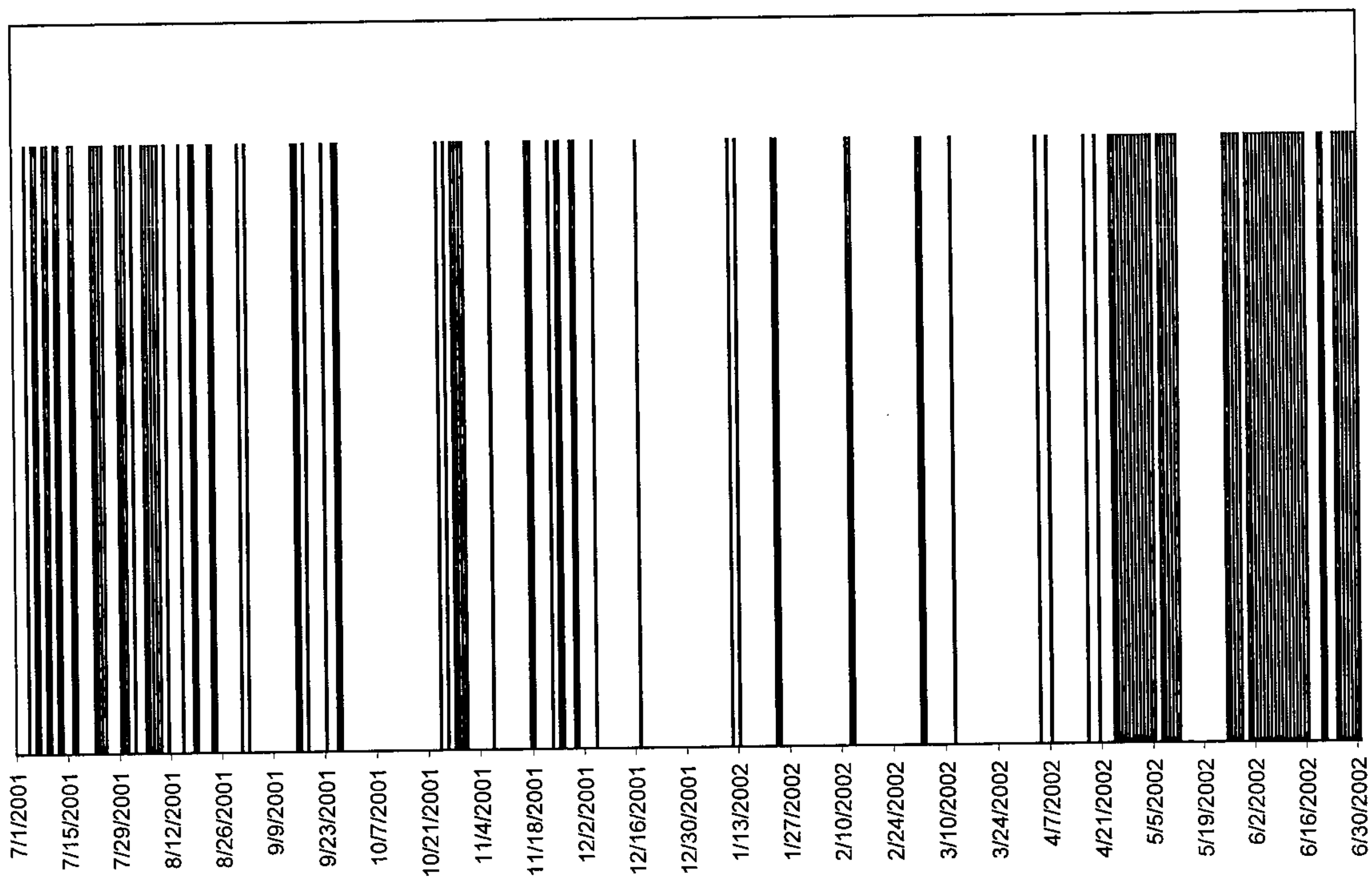
PLEASE RETURN A COPY OF THIS INVOICE AND SUPPORTING DOCUMENTATION WITH PAYMENT WHEN PAYMENTS DIFFER FROM INVOICED AMOUNT
FOR QUESTIONS CONCERNING THIS INVOICE OR STATEMENT PLEASE CONTACT RUTH CLARK (270)688-6790.

CHECK REMITTANCE ADDRESS:
WILLIAMS GAS PIPELINES CENTRAL, INC
P.O. BOX 94174
TULSA, OK 74194

ELECTRONIC FUND TRANSFER ADDRESS:
CITIBANK, N.A. NEW YORK, NY
ABA NUMBER: 0-210-0008-9
ACCOUNT NUMBER: 4056-5372
INVOICE NO: GSRDB-0702- 1511


Historical Starts on Riverton Coal Units
Number of Starts
0
1
2
3
4
5
6
1997
1998
1999
2000
2001
YTD 2002
Riverton 7
Riverton 8

Summary of TLR Events Involving Deliveries to EDE



FILE SAVED AS: Nerc TLRLOG 1-06/30/2002

NERC TRANSMISSION LOADING RELIEF (TLR) PROCEDURE LOG

DIRECTORY: G:\Ops on Felix\Coords\Nerc Archiving

CONTROL AREA : MHEB | DATE: 06/30/02 | ISSUING SECURITY COORDINATOR: MISO | FLOW GATE ID: 6002

FLOW GATE DESCRIPTION :
MHEX_S

MONITORED ELEMENTS: | Rating | CONTINGENT ELEMENTS: | OTDF

DESCRIBE REASON FOR LOADING PROBLEM:
Flows at Scheduling Reliability Limit

TLR Levels
0: TLR Incident Canceled
1: Notify Security Coordinators of potential problems.
2a, 2b, 2c: Halt additional "contributing" transactions.
3: Curtail Non-firm transactions (state priorities being curtailed)
4. Reconfigure and redispatch to continue firm transactions if needed.
5: Curtail Firm Transmission Service.
6: Implement emergency procedures.

Priorities
NS - Service over secondary receipt and delivery points
NH - Hourly Service
ND - Daily Service
NW - Weekly Service
NM - Monthly Service
NN - Non-firm imports for native load and network customers from non-designated network resources
F - Firm Service

TLR ACTIONS

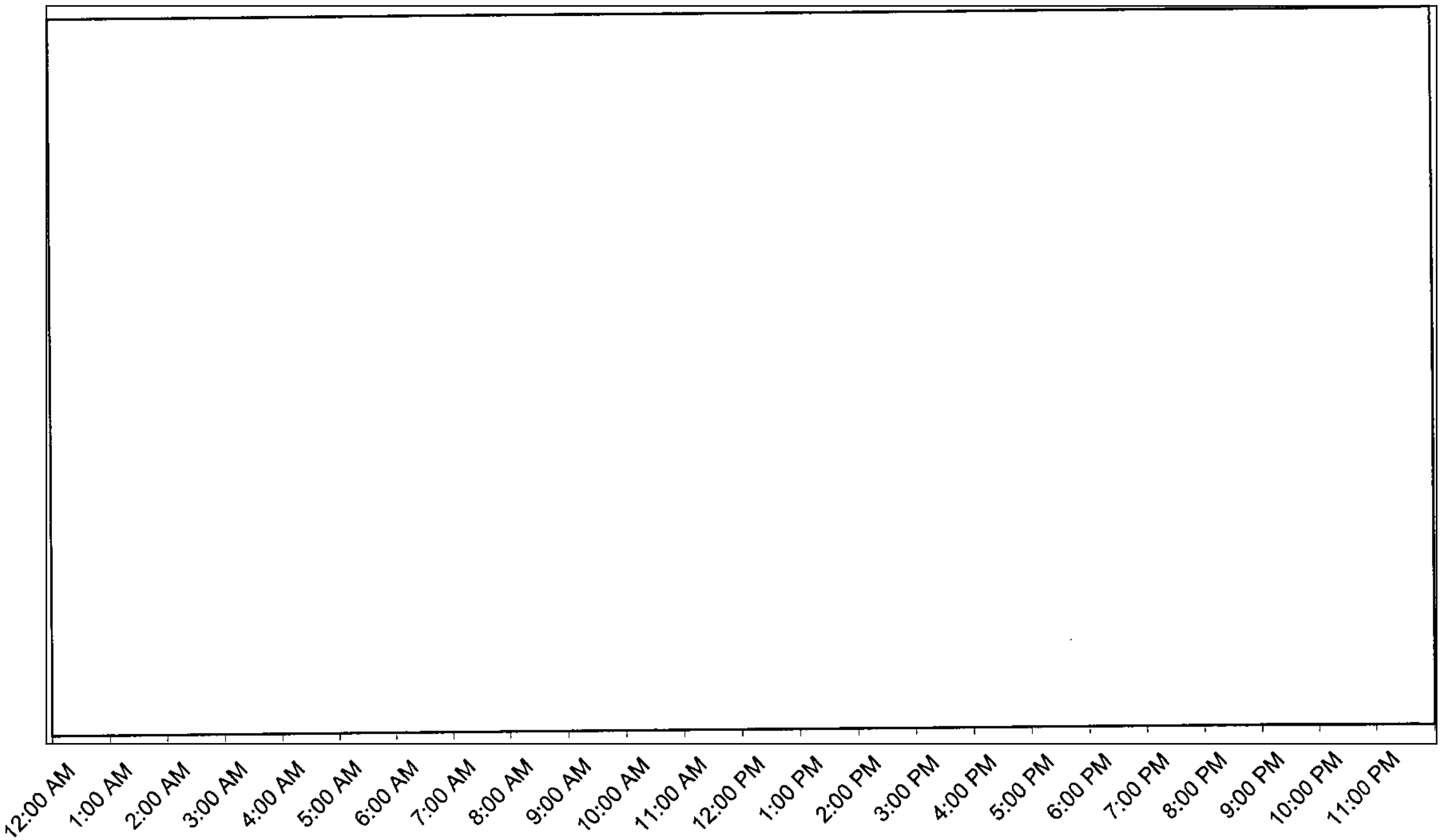
TLR Level Status	TLR Confirm Time	Priority	TLR 3,5 No. TX Curtail	TLR 3,5 MW Curtail	MW FLOW Pre-Cont. Flow	MW FLOW Post-Cont. Flow	*** OSL LIMIT	COMMENTS ABOUT ACTIONS TAKEN Include information regarding why "confirm time" is later than 30 minutes after.
1	1450	N/A						flows near the scheduling reliability limit
3A	1546	2-NH	6	143	1960		2050	Cuts for scheduling reliability limit
3A	1635	2-NH	5	142	1866		2050	Cuts for scheduling reliability limit
1	1730	N/A						Flows below the scheduling limit...reload scheds
0	1950							Flows below the scheduling limit...End TLR

Date	Year	Mnth	FG ID	UnFlowgate	ConFlowgate	StartTime	ReturnToZero	Duration	HighestLevel	HighestPriority	MWcurtailed	Impact to EDE
04-Jul-01	2001	7	3102	Bland-Franks	none	1610	1910	3 hrs, 0 mins	3A	1	134	(MAPP)/NSP AECI EES ERCE KCPL WR
04-Jul-01	2001	7	1353	Wilbert-Livonia 138kV	Webre-Richard 500 kV FG #1353	1626	2131	5 hrs, 5 mins	3a		NH - 414	ERCE
06-Jul-01	2001	7	3102	Bland-Franks345kV	none	1017	2310	12 hrs, 53 mins	3A	7	721	(MAPP)/NSP AECI EES ERCE KCPL WR
07-Jul-01	2001	7	3102	Bland-Franks345kV	none	1017	1330	3 hrs, 13 mins	3A			(MAPP)/NSP AECI EES ERCE KCPL WR
09-Jul-01	2001	7	5023	LaCygne - Stillwell 345 kV	LaCygne - West Gardner 345 kV	0827	1933	11 hrs, 6 mins	5A	7	67	(MAPP)/NSP AECI EES KCPL WR
09-Jul-01	2001	7	3258	Quad Cities - Rock Creek	Q.C - Sub 91	1042	1417	3 hrs, 35 mins	3A			(MAPP)/NSP
10-Jul-01	2001	7	5023	LaCygne - Stillwell 345 kV	LaCygne - West Gardner 345 kV	1102	2104	10 hrs, 2 mins	3A			(MAPP)/NSP AECI EES KCPL WR
12-Jul-01	2001	7	3102	Bland-Franks345kV	none	1007	1532	5 hrs, 25 mins	3A	1	50	(MAPP)/NSP AECI EES ERCE KCPL WR
13-Jul-01	2001	7	5063	Northeastern Station-Oneta 345 kV	Northeastern Station-Tulsa 345 kV	0050	0816	7 hrs, 26 mins	3a	7	50	CSWS EES ERCE GRDA
16-Jul-01	2001	7	5023	LaCygne - Stillwell 345kv	LaCygne - West Gardner 345kv	0939	2245	13 hrs, 6 mins	3B	5	60	(MAPP)/NSP AECI EES KCPL WR
17-Jul-01	2001	7	5023	LaCygne-Stillwell 345kv	LaCygne-West Gardner 345kv	0706	2226	15 hrs, 20 mins	5A	7	70	(MAPP)/NSP AECI EES KCPL WR
22-Jul-01	2001	7	6007	GENTLEMAN-RED WILLOW 345KV		1610	1642	0 hrs, 32 mins	3B	2-NH		(MAPP)/NSP
22-Jul-01	2001	7	6007	NORTH PLATTE-STOCKVILLE 115KV FLO GENTLEMEN-REDWILLOW 345KV		1628	2027	3 hrs, 59 mins	3A	2-NH		(MAPP)/NSP
23-Jul-01	2001	7	5042	Northwest Texarkana - Patterson 138KV	Lydia - Valliant 345KV	0720	1728	10 hrs, 8 mins	3A	2	93	ERCE
24-Jul-01	2001	7	5042	Northwest Texarkana - Patterson 138 kV	Lydia - Valliant 345 kV	0641	2125	14 hrs, 44 mins	3A	2,6	150	ERCE
25-Jul-01	2001	7	6009	COOPER-ST JOSEPH & COOPER FAIRPORT		0010	0625	6 hrs, 15 mins	3A	2-NH	980	(MAPP)/NSP EES KCPL
25-Jul-01	2001	7	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	1101	2232	11 hrs, 31 mins	3a		NH - 100	ERCE
29-Jul-01	2001	7	5042	Northwest Texarkana-Patterson 138kv	Lydia-Valliant 345kv	1211	2127	9 hrs, 16 mins	3A			ERCE
29-Jul-01	2001	7	5037	Muskogee-Clarksville 345kv	Muskogee-Riverside Station 345kv	1458	2128	6 hrs, 30 mins	3A	6	81	(MAPP)/NSP AECI EES ERCE
30-Jul-01	2001	7	5037	Muskogee - Clarksville 345 kV	Muskogee - Riverside Station 345 kV	1211	2124	9 hrs, 13 mins	3A	2	39	(MAPP)/NSP AECI EES ERCE
31-Jul-01	2001	7	5037	Muskogee-Clarksville 345	Muskogee-Riverside Station 345	0919	1707	7 hrs, 48 mins	3A	7	76	(MAPP)/NSP AECI EES ERCE
31-Jul-01	2001	7	5023	LaCygne-Stilwell 345 kV	LaCygne-West Gardner 345 kV	0925	2100	11 hrs, 35 mins	3A	7	97	(MAPP)/NSP AECI EES KCPL WR
02-Aug-01	2001	8	5023	LACYGNE - STILWELL 345 KV	LACYGNE - WEST GARDNER 345 KV	0906	2059	11 hrs, 53 mins	3A	7	53	(MAPP)/NSP AECI EES KCPL WR
02-Aug-01	2001	8	5029	MANSFIELD - INTERNATIONAL PAPER 138 KV	DOLET HILLS - SW. SHREVEPORT 345 KV	0917	1443	5 hrs, 26 mins	3A			ERCE
05-Aug-01	2001	8	1353	Wilbert-Livonia 138 kV	Webre-Richard 500 kV FG #1353	1207	2248	10 hrs, 41 mins	3a		NS - 60	ERCE
06-Aug-01	2001	8	5023	LACYGNE - STILWELL 345 KV	LACYGNE - WEST GARDNER 345 KV	0909	2059	11 hrs, 50 mins	5A	7	720	(MAPP)/NSP AECI EES KCPL WR
06-Aug-01	2001	8	5037	Muskogee - Clarksville 345kv	Muskogee-Riverside Station 345kv	0946	2107	11 hrs, 21 mins	3A	1,2,7	65	(MAPP)/NSP AECI EES ERCE
07-Aug-01	2001	8	3706	Arnold - Hazleton 345 kV	none	0910	2240	13 hrs, 30 mins	3A			(MAPP)/NSP
07-Aug-01	2001	8	5042	Northwest Texarkana-Patterson 138kv	Lydia-Valliant 345kv	0930	2013	10 hrs, 43 mins	3A	1	65	ERCE
07-Aug-01	2001	8	5023	LACYGNE-STILWELL 345kv	LACYGNE-WEST GARDNER 345kv	1008	2115	11 hrs, 7 mins	5A	7	214	(MAPP)/NSP AECI EES KCPL WR
07-Aug-01	2001	8	5037	Muskogee-Clarksville 345kv	Muskogee-Riverside Station 345kv	1203	2117	9 hrs, 14 mins	3B	2	134	(MAPP)/NSP AECI EES ERCE
07-Aug-01	2001	8	1368	McKnight-Franklin 500kV	Webre-Richard 500 kV FG#1368	2028	2233	2 hrs, 5 mins	3a		NH - 554	EES
08-Aug-01	2001	8	5042	Northwest Texarkana-Patterson 138kv	Lydia-Valliant 345kv	0504	2121	16 hrs, 17 mins	3A	1	50	ERCE
08-Aug-01	2001	8	3706	Arnold - Hazleton 345 kV	none	0749	2230	14 hrs, 41 mins	3A	3	62	(MAPP)/NSP
08-Aug-01	2001	8	1368	McKnight-Franklin 500kV	Webre-Richard 500 kV FG#1368	0837	2324	14 hrs, 47 mins	5b		NH - 285	EES
08-Aug-01	2001	8	5023	LACYGNE-STILWELL 345kv	LACYGNE-WEST GARDNER 345kv	0858	2012	11 hrs, 14 mins	5A	2,7	85	(MAPP)/NSP AECI EES KCPL WR
09-Aug-01	2001	8	5042	Northwest Texarkana-Patterson 138kv	Lydia-Valliant 345kv	0526	1647	11 hrs, 21 mins	3A	2	130	ERCE
09-Aug-01	2001	8	3706	Arnold - Hazleton 345 kV	none	0705	1109	4 hrs, 4 mins	3A			(MAPP)/NSP
09-Aug-01	2001	8	1368	McKnight-Franklin 500kV	Webre-Richard 500 kV FG#1368	0635	2257	14 hrs, 22 mins	4		NH - 1441	EES
11-Aug-01	2001	8	1353	Wilbert-Livonia 138 kV	Webre-Richard 500 kV FG #1353	1302	2246	9 hrs, 44 mins	3a		NH - 9	ERCE
15-Aug-01	2001	8	3102	Bland-Franks 345kV	None	1625	1920	2 hrs, 55 mins	3A	2	467	(MAPP)/NSP AECI EES ERCE KCPL WR
18-Aug-01	2001	8	6009	COOPER-ST JOSEPH & COOPER FAIRPORT		0722	2213	14 hrs, 51 mins	3A	5-NM	998	(MAPP)/NSP EES KCPL
19-Aug-01	2001	8	6009	COOPER-ST JOSEPH & COOPER FAIRPORT		0810	2002	11 hrs, 52 mins	3A	2-NH	970	(MAPP)/NSP EES KCPL
19-Aug-01	2001	8	3102	Bland-Franks 345kV	None	1920	2140	2 hrs, 20 mins	3A	2	930	(MAPP)/NSP AECI EES ERCE KCPL WR
23-Aug-01	2001	8	3706	Arnold - Hazleton 345 kV	none	0941	2205	12 hrs, 24 mins	3A	3	840	(MAPP)/NSP
24-Aug-01	2001	8	3706	Arnold - Hazleton 345 kV	none	0941	1125	1 hrs, 44 mins	3A			(MAPP)/NSP
31-Aug-01	2001	8	3006			0045	0610	5 hrs, 25 mins	3A			(MAPP)/NSP
02-Sep-01	2001	9	1383	Sheridan-Hot Springs 500 kV	Sheridan-El Dorado 500 kV	0707	0958	2 hrs, 51 mins	3a		NS - 503	CSWS EES ERCE
15-Sep-01	2001	9	5008	Craig Junction-Ashdown West 138 KV	Valliant-Lydia 345 KV	1302	2256	9 hrs, 54 mins	3B	8	50	EES ERCE
16-Sep-01	2001	9	5008	Craig Junction-Ashdown West 138 kV	Valliant-Lydia 345 kV	0847	1914	10 hrs, 27 mins	3A			EES ERCE
16-Sep-01	2001	9	5063	Northeastern-Oneta 345 kV	Northeastern-Tulsa 345 kV	1347	1831	4 hrs, 44 mins	3A			CSWS EES ERCE GRDA
18-Sep-01	2001	9	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	1251	1951	7 hrs, 0 mins	3a		NH - 150	ERCE
23-Sep-01	2001	9	5063	Northeastern Station - Oneta 345 kV	Northeastern Station - Tulsa North 345 kV	0900	2028	11 hrs, 28 mins	3B	3	627	CSWS EES ERCE GRDA
23-Sep-01	2001	9	5008	Craig Junction - Ashdown West 138 kV	Valliant - Lydia 345 kV	0919	2035	11 hrs, 16 mins	3A			EES ERCE
26-Sep-01	2001	9	3006	Eau Claire-Arpin 345kV		0804	2230	14 hrs, 26 mins	3B	6	480	(MAPP)/NSP
27-Sep-01	2001	9	3006	Eau Claire-Arpin 345kV		0618	0938	3 hrs, 20 mins	3A			(MAPP)/NSP
12-Oct-01	2001	10	1373	Van Ply Tap-Toledo 138 kV	Mt. Olive-Hartburg 500 kV	2113	0015	3 hrs, 2 mins	3a		NH - 201	EES
12-Oct-01	2001	10	1373	Van Ply Tap-Toledo 138 kV	Mt. Olive-Hartburg 500 kV	2319	0427	5 hrs, 8 mins	3a		NS - 7	EES
24-Oct-01	2001	10	5008	Craig Junction-Ashdown West 138 kV line	Valliant- Lydia 345 kV line	1249	2212	9 hrs, 23 mins	3B	1	418	EES ERCE
26-Oct-01	2001	10	3724	Arnold-Vinton161kV	Arnold-Hazleton345kV	0745	1258	5 hrs, 13 mins	3A	2	310	(MAPP)/NSP
28-Oct-01	2001	10	5022	LaCygne - Neosho 345	Lang - Wichita 345	0629	1733	11 hrs, 4 mins	3A	7	75	(MAPP)/NSP AECI EES ERCE KCPL WR
29-Oct-01	2001	10	1354	Clinton-N.W. Jackson SS 115 kV	Ray Braswell-Lakeover 500 kV	0922	2317	13 hrs, 55 mins	3a		NH - 100	EES ERCE
30-Oct-01	2001	10	1354	Clinton-N.W. Jackson SS 115 kV	Ray Braswell-Lakeover 500 kV	0039	1102	10 hrs, 23 mins	3a		NH - 100	EES ERCE
31-Oct-01	2001	10	6089	CASCADE CREEK-IBM 138KV FLO BYRON-ADAMS 345KV		0830	1822	9 hrs, 52 mins	3A	3-ND		(MAPP)/NSP
07-Nov-01	2001	11	1354	Clinton-N.W. Jackson SS 115 kV	Ray Braswell-Lakeover 500 kV	11/7/2001 06:nn	11/7/2001 12:nn	6.33	3a		NH - 1	EES ERCE
07-Nov-01	2001	11	3006	Eau Claire-Arpin 345kV		11/7/2001 12:nn	11/7/2001 20:nn	7.92	3A	1-5	428	(MAPP)/NSP
17-Nov-01	2001	11	3117			11/17/2001 12:nn	11/18/2001 02:nn	13.47	3A	6	1342	(MAPP)/NSP AECI EES KCPL WR

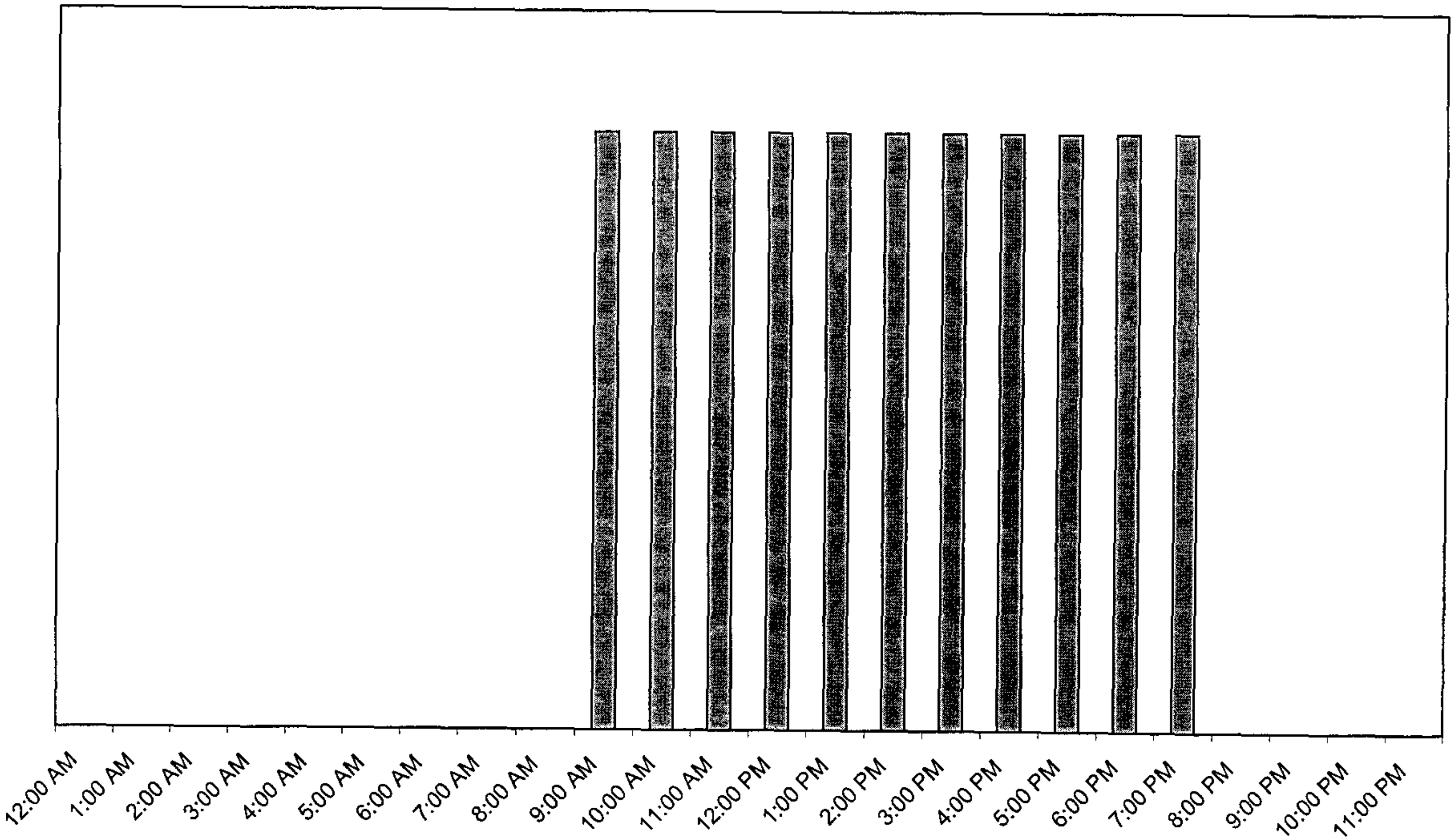
Date	Year	Mnth	FG_ID	LimFlowgate	ContFlowgate	StartTime	ReturnToZero	Duration	HighestLevel	HighestPriority	MWcurtailed	Impact to EDE
23-Nov-01	2001	11	6021	ENDERS-BEVERLY 115KV FOR LOSS OF GENTLEMAN-RED WILLOW 345KV	GENTLEMAN-RED WILLOW 345KV	11/23/2001 22:nn	11/24/2001 00:nn	2.55	3A	2-NH	440	(MAPP)/NSP
25-Nov-01	2001	11	3001	Wempleton-Paddock		11/25/2001 18:nn	11/25/2001 20:nn	2.35	3B	2	286	(MAPP)/NSP
26-Nov-01	2001	11	3724	Arnold-Vinton 161	Arnold-Hazleton 345	11/26/2001 11:nn	11/26/2001 12:nn	0.47	3A	1	187	(MAPP)/NSP
29-Nov-01	2001	11	1353	Wilbert-Livonia 138kV	Webre-Richard 500 kV FG #1353	11/29/2001 05:nn	11/29/2001 23:nn	18.00	3a		NH - 1	ERCE
29-Nov-01	2001	11	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	11/29/2001 07:nn	11/29/2001 11:nn	3.45	3a		NN - 170	ERCE
30-Nov-01	2001	11	1353	Wilbert-Livonia 138kV	Webre-Richard 500 kV FG #1353	11/30/2001 02:nn	11/30/2001 17:nn	15.03	3a		NH - 1	ERCE
05-Dec-01	2001	12	3706	Duane Arnold - Hazleton 345 kV		12/5/2001 18:nn	12/5/2001 20:nn	2.25	3B	1	183	(MAPP)/NSP
17-Dec-01	2001	12	1354	Clinton-N.W. Jackson SS 115 kV	Ray Braswell-Lakeover 500 kV	12/17/2001 07:nn	12/17/2001 23:nn	16.22	4		NH - 200	EES ERCE
11-Jan-02	2002	1	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	1/11/2002 06:nn	1/11/2002 23:nn	17.17	3a		NN - 443	ERCE
13-Jan-02	2002	1	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	1/13/2002 06:nn	1/13/2002 19:nn	12.57	3a		NS - 142	ERCE
23-Jan-02	2002	1	5003	Broken Bow -Clayton 138 line	Valliant-Pittsburgh 345 line	1/23/2002 07:nn	1/23/2002 08:nn	0.50	3A			ERCE
24-Jan-02	2002	1	5003	Broken Bow - Clayton 138kv	Valliant-Pittsburgh 345kv	1/24/2002 07:nn	1/24/2002 08:nn	0.75	3A			ERCE
12-Feb-02	2002	2	5022	LACYGNE - NEOSHO 345KV	LANG - WICHITA 345KV	2/12/2002 00:nn	2/12/2002 06:nn	6.52	3B	2,7	756	(MAPP)/NSP AECI EES ERCE KCPL WR
12-Feb-02	2002	2	3527	Pleasant Prairie-Racine 345	Paddock-Rockdale 345	2/12/2002 18:nn	2/12/2002 22:nn	3.68	3a	6	2144	(MAPP)/NSP
13-Feb-02	2002	2	3527	Pleasant Prairie-Racine 345	Paddock-Rockdale 345	2/13/2002 07:nn	2/13/2002 20:nn	12.35	3a	6	70	(MAPP)/NSP
03-Mar-02	2002	3	1353	Terrebonne-Greenwood 115 kV	Webre-Richard 500 kV FG #1353	3/3/2002 01:nn	3/4/2002 09:nn	32.32	4		NH - 513	ERCE
12-Mar-02	2002	3	6007	Gentleman-Red Willow 345kV		3/12/2002 00:nn	3/12/2002 05:nn	5.07	3A	2-NH	314	(MAPP)/NSP
04-Apr-02	2002	4	3724	Arnold - Vinton 161 kV	Arnold - Hazelton 345 kV	4/4/2002 09:nn	4/4/2002 23:nn	14.18	3B	6-NN	92	(MAPP)/NSP
07-Apr-02	2002	4	1326	Mabelvale-Sheridan 500 kV	White Bluff-Sheridan 500 kV FG#1326	4/7/2002 05:nn	4/7/2002 19:nn	13.62	3a		NH - 216	CSWS EES ERCE
07-Apr-02	2002	4	6021	GENTLEMAN-RE WILLOW		4/7/2002 10:nn	4/7/2002 23:nn	13.02	3A	2-NH	16	(MAPP)/NSP
17-Apr-02	2002	4	6004	Prairie Island-Byron 345kV / Eau Claire-Arpin 345kV	0	4/17/2002 05:nn	4/17/2002 20:nn	14.38	3B	2-NH	643	(MAPP)/NSP
20-Apr-02	2002	4	5076	Ft. Smith - Arkansas Nuclear One 500 kV Line (Voltage Stability)	0	4/20/2002 14:nn	4/20/2002 20:nn	5.77	3A	N/A	547	(MAPP)/NSP AECI EES ERCE GRDA
24-Apr-02	2002	4	5063	Northeast Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	4/24/2002 23:nn	4/25/2002 01:nn	1.87	3A	N/A	81	CSWS EES ERCE GRDA
26-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/26/2002 08:nn	4/26/2002 18:nn	9.95	3a		NS - 63	CSWS EES ERCE
26-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/26/2002 08:nn	4/26/2002 18:nn	9.95	3a		NS - 63	CSWS EES ERCE
27-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/27/2002 06:nn	4/27/2002 22:nn	16.05	3a		NH - 583	CSWS EES ERCE
27-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/27/2002 06:nn	4/27/2002 22:nn	16.05	3a		NH - 583	CSWS EES ERCE
28-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/28/2002 06:nn	4/28/2002 21:nn	15.37	3a		NS - 77	CSWS EES ERCE
28-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/28/2002 06:nn	4/28/2002 21:nn	15.37	3a		NS - 77	CSWS EES ERCE
29-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/29/2002 12:nn	4/29/2002 20:nn	7.87	3a		NS - 341	CSWS EES ERCE
29-Apr-02	2002	4	5008	Craig Jct-Ashdown 138 KV	Valliant-Lydia 345 KV	4/29/2002 14:nn	4/29/2002 19:nn	5.35	3A			EES ERCE
30-Apr-02	2002	4	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	4/30/2002 05:nn	4/30/2002 18:nn	12.82	3a		NH - 89	CSWS EES ERCE
30-Apr-02	2002	4	5008	Craig Jct-Ashdown 138 KV	Valliant-Lydia 345 KV	4/30/2002 08:nn	4/30/2002 18:nn	9.65	3A	N/A	50	EES ERCE
30-Apr-02	2002	4	5063	Northeast Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	4/30/2002 10:nn	4/30/2002 21:nn	11.08	3A	N/A	184	CSWS EES ERCE GRDA
01-May-02	2002	5	5063	Northeast Station-Oneta 345 kv line	Northeast Station-Tulsoa 345 kv line	5/1/2002 21:nn	5/2/2002 05:nn	7.72	3B	N/A	765	CSWS EES ERCE GRDA
02-May-02	2002	5	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	5/2/2002 10:nn	5/2/2002 21:nn	11.08	3a		NH - 90	CSWS EES ERCE
02-May-02	2002	5	5063	Northeast Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	5/2/2002 21:nn	5/3/2002 05:nn	7.62	3B	1,2	84	CSWS EES ERCE GRDA
03-May-02	2002	5	1324	White Bluff-Sheridan 500 kV	Mabelvale-Sheridan FG #1324	5/3/2002 06:nn	5/3/2002 20:nn	13.57	3a		NH - 50	CSWS EES ERCE
03-May-02	2002	5	5063	Northeast Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	5/3/2002 16:nn	5/4/2002 03:nn	10.80	3A	6	203	CSWS EES ERCE GRDA
05-May-02	2002	5	5063	Northeast Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	5/5/2002 12:nn	5/5/2002 21:nn	8.85	3B	6	66	CSWS EES ERCE GRDA
06-May-02	2002	5	5063	Northeastern Station-Oneta 345 kV line	Northeast Station-Tulsa 345 kV line	5/6/2002 23:nn	5/6/2002 23:nn	0.22	3A	2	75	CSWS EES ERCE GRDA
07-May-02	2002	5	5063	Northeast Station - Oneta 345 kV line	Northeast Station - Tulas 345 kV line	5/7/2002 16:nn	5/8/2002 06:nn	13.33	3A	7	910	CSWS EES ERCE GRDA
09-May-02	2002	5	3006	Eau Clair - Arpin 345	None	5/9/2002 09:nn	5/9/2002 21:nn	12.20	3a	6	47	(MAPP)/NSP
09-May-02	2002	5	5008	Craig Junction-West Ashdown 138 kV line	Valliant-Lydia 345 kV line	5/9/2002 11:nn	5/9/2002 19:nn	7.67	3A	1,2	81	EES ERCE
10-May-02	2002	5	5008	Craig Junction-West Ashdown 138 kV line	Valliant-Lydia 345 kV line	5/10/2002 12:nn	5/10/2002 20:nn	7.98	3A	1,2	332	EES ERCE
10-May-02	2002	5	5076	Ft. Smith-ANO 500 kV Voltage Stability		5/10/2002 13:nn	5/10/2002 16:nn	3.38	3A	1,6	30	(MAPP)/NSP AECI EES ERCE GRDA
10-May-02	2002	5	5063	Northeastern Station - Oneta 345 kV line	Northeastern Station - Tulsa North 345 kV line	5/10/2002 22:nn	5/11/2002 05:nn	7.62	3b	1	8	CSWS EES ERCE GRDA
11-May-02	2002	5	5063	Northeastern Station - Oneta 345 kV line	Northeastern Station - Tulsa North 345 kV line	5/11/2002 15:nn	5/12/2002 05:nn	13.53	3A	7	50	CSWS EES ERCE GRDA
25-May-02	2002	5	1326	Mabelvale-Sheridan 500 kV	White Bluff-Sheridan FG #1326	5/25/2002 07:nn	5/25/2002 20:nn	12.55	3a		NH - 425	CSWS EES ERCE
25-May-02	2002	5	5008	Craig Junction - Ashdown West 138 kV line	Valliant - Lydia 345 kV line	5/25/2002 08:nn	5/25/2002 20:nn	11.92	3A	1,2,7	469	EES ERCE
25-May-02	2002	5	5063	Northeast Station - Oneta 345 kV line	Northeast Station - Tulsa North 345 kV line	5/25/2002 08:nn	5/25/2002 20:nn	11.85	3A	7	96	CSWS EES ERCE GRDA
25-May-02	2002	5	1018	10ABBRWW 138 14HENDR4 138	N/A	5/25/2002 11:nn	5/25/2002 21:nn	10.38	3A	NN	609	AECI EES
26-May-02	2002	5	1018	New Madrid-Dell 500kV	Ises-Dell 500kV	5/26/2002 10:nn	5/26/2002 22:nn	11.48	3A	NN	963	AECI EES
26-May-02	2002	5	5063	Northeast Station - Oneta 345 kV line	Northeast Station - Tulsa North 345 kV line	5/26/2002 11:nn	5/26/2002 22:nn	10.93	3A	7	830	CSWS EES ERCE GRDA
27-May-02	2002	5	1018	New Madrid-Dell 500kV	Ises-Dell 500kV	5/27/2002 10:nn	5/27/2002 22:nn	11.60	3A	NS	993	AECI EES
28-May-02	2002	5	1018	New Madrid-Dell 500kV	Ises-Dell 500kV	5/28/2002 05:nn	5/28/2002 21:nn	15.50	3A	NS	926	AECI EES
29-May-02	2002	5	1018	New Madrid-Dell 500kV	Ises-Dell 500kV	5/29/2002 04:nn	5/29/2002 06:nn	2.22	3A			AECI EES
31-May-02	2002	5	3006	Eau Clair - Arpin 345	None	5/31/2002 07:nn	5/31/2002 10:nn	2.83	3b	5	848	(MAPP)/NSP
31-May-02	2002	5	5078	South Coffeyville - Dearing 138 kV line	Delaware - Neosho 345 kV line	5/31/2002 13:nn	5/31/2002 18:nn	4.85	3A	6	70	CSWS GRDA
01-Jun-02	2002	6	6004	Eau Claire-Arpin 345kV & Prairie Island-Byron 345kV		6/1/2002 14:nn	6/1/2002 18:nn	3.17	3a	1		(MAPP)/NSP
02-Jun-02	2002	6	6004	Eau Claire-Arpin 345kV & Prairie Island-Byron 345kV		6/2/2002 13:nn	6/2/2002 22:nn	9.07	3A	2		(MAPP)/NSP
03-Jun-02	2002	6	6004	Eau Claire-Arpin 345kV & Prairie Island-Byron 345kV		6/3/2002 12:nn	6/3/2002 21:nn	8.18	3A	N/A	N/A	(MAPP)/NSP
04-Jun-02	2002	6	1018	New Madrid-Dell 500kV	Ises-Dell 500kV	6/4/2002 00:nn	6/4/2002 06:nn	6.33	3A	NS	608	AECI EES
04-Jun-02	2002	6	6004	Eau Claire-Arpin 345kV & Prairie Island-Byron 345kV		6/4/2002 07:nn	6/4/2002 21:nn	14.48	3B	N/A	N/A	(MAPP)/NSP
04-Jun-02	2002	6	3006	Eau Clair - Arpin 345	None	6/4/2002 07:nn	6/4/2002 22:nn	15.05	4	2	38	(MAPP)/NSP
04-Jun-02	2002	6	6088	Genoa-Seneca 161kV & Eau Claire-Arpin 345kV		6/4/2002 15:nn	6/4/2002 21:nn	6.37	3B	N/A	N/A	(MAPP)/NSP
05-Jun-02	2002	6	6004	Eau Claire-Arpin 345kV & Prairie Island-Byron 345kV		6/5/2002 06:nn	6/5/2002 19:nn	12.75	3B	N/A	N/A	(MAPP)/NSP

Date	Year	Mnth	FG_ID	LimFlowgate	ContFlowgate	StartTime	ReturnToZero	Duration	HighestLevel	HighestPriority	MWcurtailed	Impact to EDE
05-Jun-02	2002	6	6088	Genoa-Seneca 161kV & Eau Claire-Arpin 345kV		6/5/2002 07:nn	6/5/2002 22:nn	14.83	3A	N/A	N/A	(MAPP)NSP
06-Jun-02	2002	6	6007	Gentleman-Red Willow 345kV Line		6/6/2002 11:nn	6/6/2002 23:nn	11.97	3B	N/A	N/A	(MAPP)NSP
07-Jun-02	2002	6	1020	New Madrid 345/500	Marshall-Cumberland 500kV	6/7/2002 06:nn	6/7/2002 20:nn	14.20	3A	NS	466	AECI EES ERCE
07-Jun-02	2002	6	6023	North Platte-Stockville 115kV & Gentleman-Red Willow 345kV		6/7/2002 09:nn	6/7/2002 23:nn	14.20	3A	N/A	N/A	(MAPP)NSP
08-Jun-02	2002	6	1020	New Madrid 345/500	Marshall-Cumberland 500kV	6/8/2002 07:nn	6/8/2002 22:nn	14.52	3A	NS	669	AECI EES ERCE
09-Jun-02	2002	6	1020	New Madrid 345/500	Marshall-Cumberland 500kV	6/9/2002 10:nn	6/9/2002 23:nn	13.45	3A	NS	102	AECI EES ERCE
10-Jun-02	2002	6	3006	Eau Clair - Arpin 345	None	6/10/2002 08:nn	6/10/2002 10:nn	1.92	3A	0	0	(MAPP)NSP
11-Jun-02	2002	6	3006	Eau Clair - Arpin 345	None	6/11/2002 06:nn	6/11/2002 22:nn	16.68	3A	6-NN	432	(MAPP)NSP
12-Jun-02	2002	6	6007	Gentleman to Red Willow 345KV		6/12/2002 16:nn	6/13/2002 01:nn	8.47	3B	N/A	N/A	(MAPP)NSP
11-Jun-02	2002	6	6007	Gentleman to Red Willow 345KV		6/11/2002 18:nn	6/13/2002 15:nn	45.30	3A	N/A	N/A	(MAPP)NSP
12-Jun-02	2002	6	6007	GENTLEMAN-RED WILLOW 345KV	Gentleman to Red Willow 345KV	6/12/2002 16:nn	6/14/2002 01:nn	32.47	3B	N/A	N/A	(MAPP)NSP
15-Jun-02	2002	6	6007	GENTLEMAN-RED WILLOW 345KV	Gentleman to Red Willow 345KV	6/15/2002 11:nn	6/15/2002 21:nn	9.97	3B	N/A	N/A	(MAPP)NSP
16-Jun-02	2002	6	6007	GENTLEMAN-RED WILLOW 345KV	Gentleman to Red Willow 345KV	6/16/2002 12:nn	6/16/2002 23:nn	10.75	3B	N/A	N/A	(MAPP)NSP
20-Jun-02	2002	6	6004	MWSI - (Minnesota Wisconsin Stability Interface)	Eau Claire-Arpin & Praine Iland-Byron 345kV lines	6/20/2002 08:nn	6/20/2002 22:nn	14.28	3B	6-NN	64	(MAPP)NSP
20-Jun-02	2002	6	5023	LaCygne-Stillwell 345 kV line	LaCygne-West Gardner 345 kV line	6/20/2002 11:nn	6/20/2002 19:nn	7.22	3A	1	336	(MAPP)NSP AECI EES KCPL WR
21-Jun-02	2002	6	5078	South Coffeyville - Dearing 138 kV line	Delaware - Neosho 345 kV line	6/21/2002 10:nn	6/21/2002 19:nn	8.98	3A	1,2	329	CSWS GRDA
21-Jun-02	2002	6	5023	LaCygne -Stillwell 345 kV line	LaCygne-West Gardner 345 kV line	6/21/2002 13:nn	6/21/2002 19:nn	6.30	3A	7	53	(MAPP)NSP AECI EES KCPL WR
24-Jun-02	2002	6	5078	South Coffeyville - Dearing 138KV	Delaware - Neosho 345KV	6/24/2002 09:nn	6/24/2002 18:nn	9.15	3A	6	597	CSWS GRDA
24-Jun-02	2002	6	5073	Bartlesville SE - North Bartlesville 138 KV	Northeast Station - Delaware 345KV	6/24/2002 09:nn	6/24/2002 18:nn	9.07	3A			CSWS GRDA
24-Jun-02	2002	6	5023	LaCygne - Stilwell 345KV	LaCygne - West Gardner 345 KV	6/24/2002 09:nn	6/24/2002 10:nn	0.52	3A			(MAPP)NSP AECI EES KCPL WR
24-Jun-02	2002	6	5023	LaCygne - Stilwell 345KV	LaCygne - West Gardner 345 KV	6/24/2002 13:nn	6/24/2002 18:nn	5.07	3A	2	88	(MAPP)NSP AECI EES KCPL WR
24-Jun-02	2002	6	6004	Genoa-Coulee 161 flo Genoa-LaCrosse-Marshland 161	Genoa-Coulee 161 & Genoa-LaCrosse-Marshland 161	6/24/2002 14:nn	6/24/2002 16:nn	1.57	3B	3-ND	254	(MAPP)NSP
24-Jun-02	2002	6	6004	MWSI - (Minnesota Wisconsin Stability Interface)	Eau Claire-Arpin & Prairie Iland-Byron 345kV lines	6/24/2002 23:nn	6/25/2002 14:nn	14.80	3A	6-NN	656	(MAPP)NSP
25-Jun-02	2002	6	5042	N.W. Texarkana - Patterson 138 KV	Lydia - Valliant 345 KV	6/25/2002 08:nn	6/25/2002 16:nn	8.47	3A	2	100	ERCE
25-Jun-02	2002	6	5078	South Coffeyville - Dearing 138KV	Delaware - Neosho 345KV	6/25/2002 09:nn	6/25/2002 19:nn	10.15	3A	6	310	CSWS GRDA
25-Jun-02	2002	6	1634	Volunteer-Bull Run 500kV	Volunteer-Watts Bar 500kV	6/25/2002 10:nn	6/25/2002 17:nn	6.97	3A	NN	181	(MAPP)NSP EES
25-Jun-02	2002	6	5073	Bartlesville SE - North Bartlesville 138 KV	Northeast Station - Delaware 345KV	6/25/2002 10:nn	6/25/2002 16:nn	6.38	3A			CSWS GRDA
25-Jun-02	2002	6	5023	LaCygne - Stilwell 345KV	LaCygne - West Gardner 345 KV	6/25/2002 11:nn	6/25/2002 19:nn	8.02	3A	7	905	(MAPP)NSP AECI EES KCPL WR
26-Jun-02	2002	6	5042	N.W. Texarkana - Patterson 138 KV	Lydia - Valliant 345 KV	6/26/2002 08:nn	6/26/2002 20:nn	12.23	3A	6	50	ERCE
26-Jun-02	2002	6	5078	South Coffeyville - Dearing 138KV	Delaware - Neosho 345KV	6/26/2002 09:nn	6/26/2002 19:nn	10.07	3A	7	95	CSWS GRDA
26-Jun-02	2002	6	5023	LaCygne - Stilwell 345KV	LaCygne - West Gardner 345 KV	6/26/2002 11:nn	6/27/2002 19:nn	32.07	3A	7	681	(MAPP)NSP AECI EES KCPL WR
27-Jun-02	2002	6	5078	South Coffeyville - Dearing 138 kv line	Delaware - Neosho 345 kv line	6/27/2002 10:nn	6/27/2002 16:nn	6.20	3a	6	50	CSWS GRDA
28-Jun-02	2002	6	5023	LaCygne - Stilwell 345kv	LaCygne - West Gardner 345kv	6/28/2002 12:nn	6/29/2002 19:nn	30.87	3A	6	293	(MAPP)NSP AECI EES KCPL WR
29-Jun-02	2002	6	5023	LaCygne - Stilwell 345kv	LaCygne - West Gardner 345kv	6/29/2002 13:nn	6/29/2002 18:nn	4.83	3A	7	50	(MAPP)NSP AECI EES KCPL WR
29-Jun-02	2002	6	6081	Quad City West	Quad Cities-Sub 91, Cordova-Sub 39 & Sub 39 XFMR	6/29/2002 14:nn	6/29/2002 21:nn	7.17	3A	N/A	806	EES

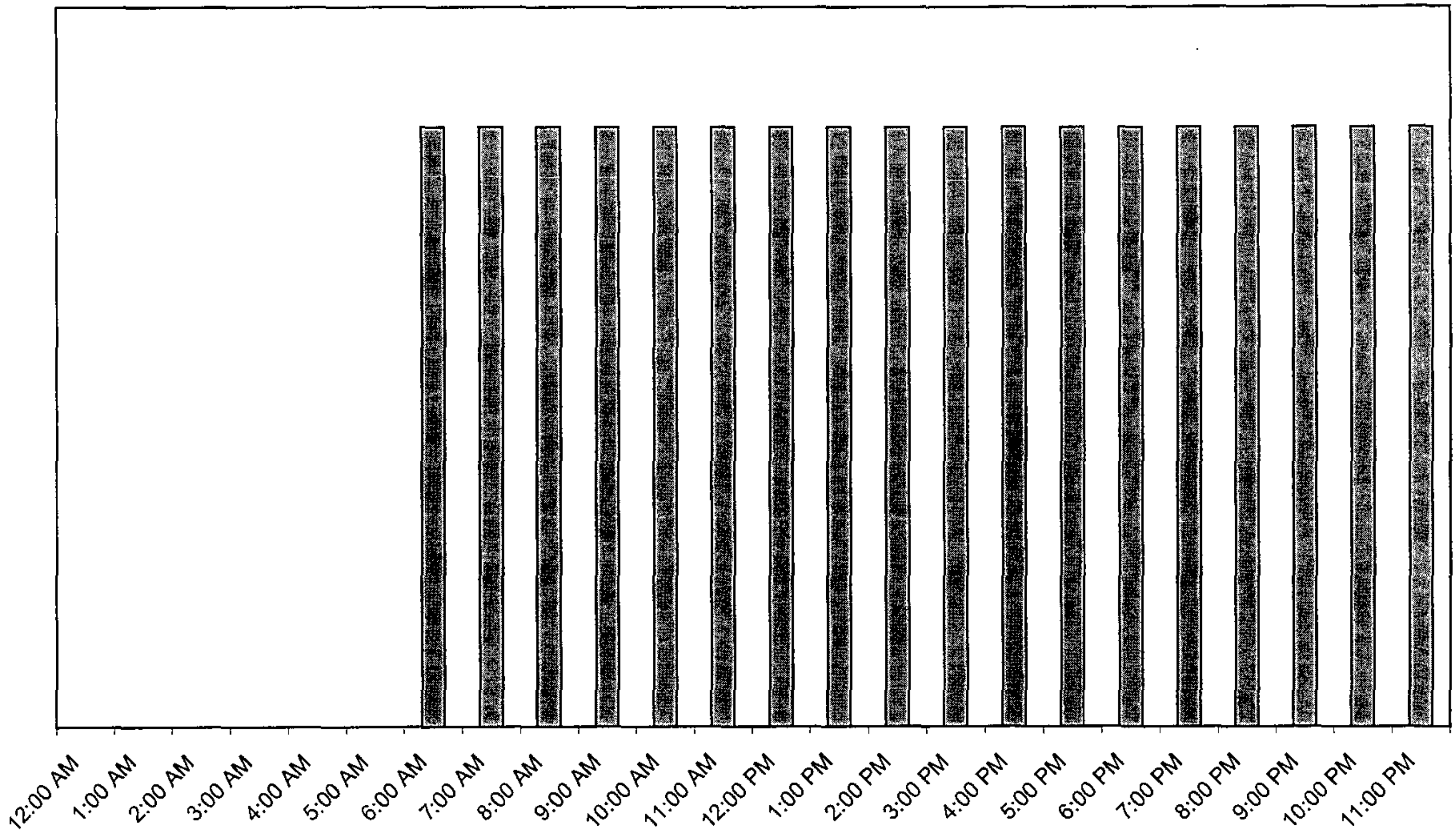
Summary of TLR Events
Involving Deliveries to EDE
on Monday July 2, 2001



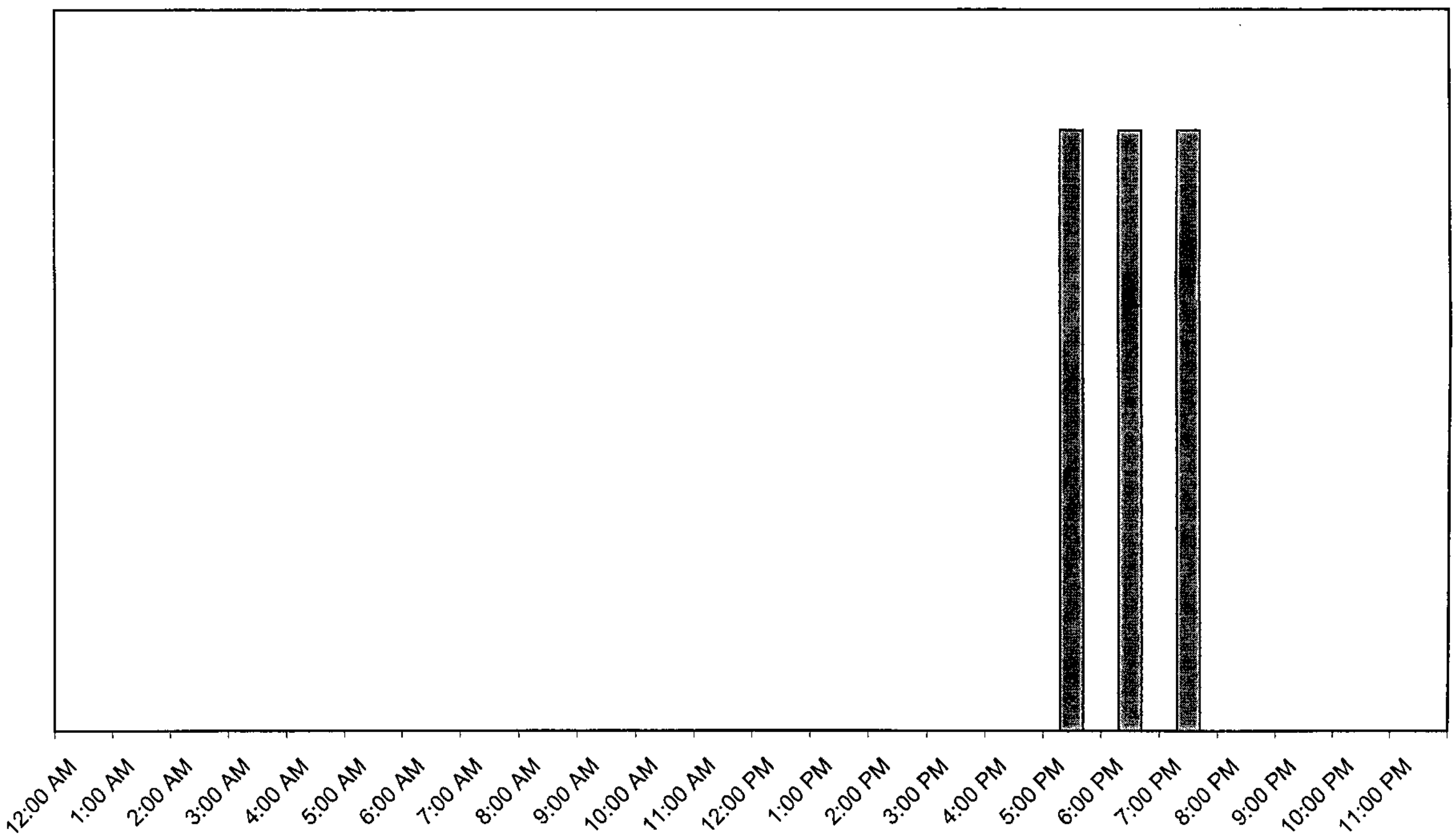
Summary of TLR Events
Involving Deliveries to EDE
on Monday July 9, 2001

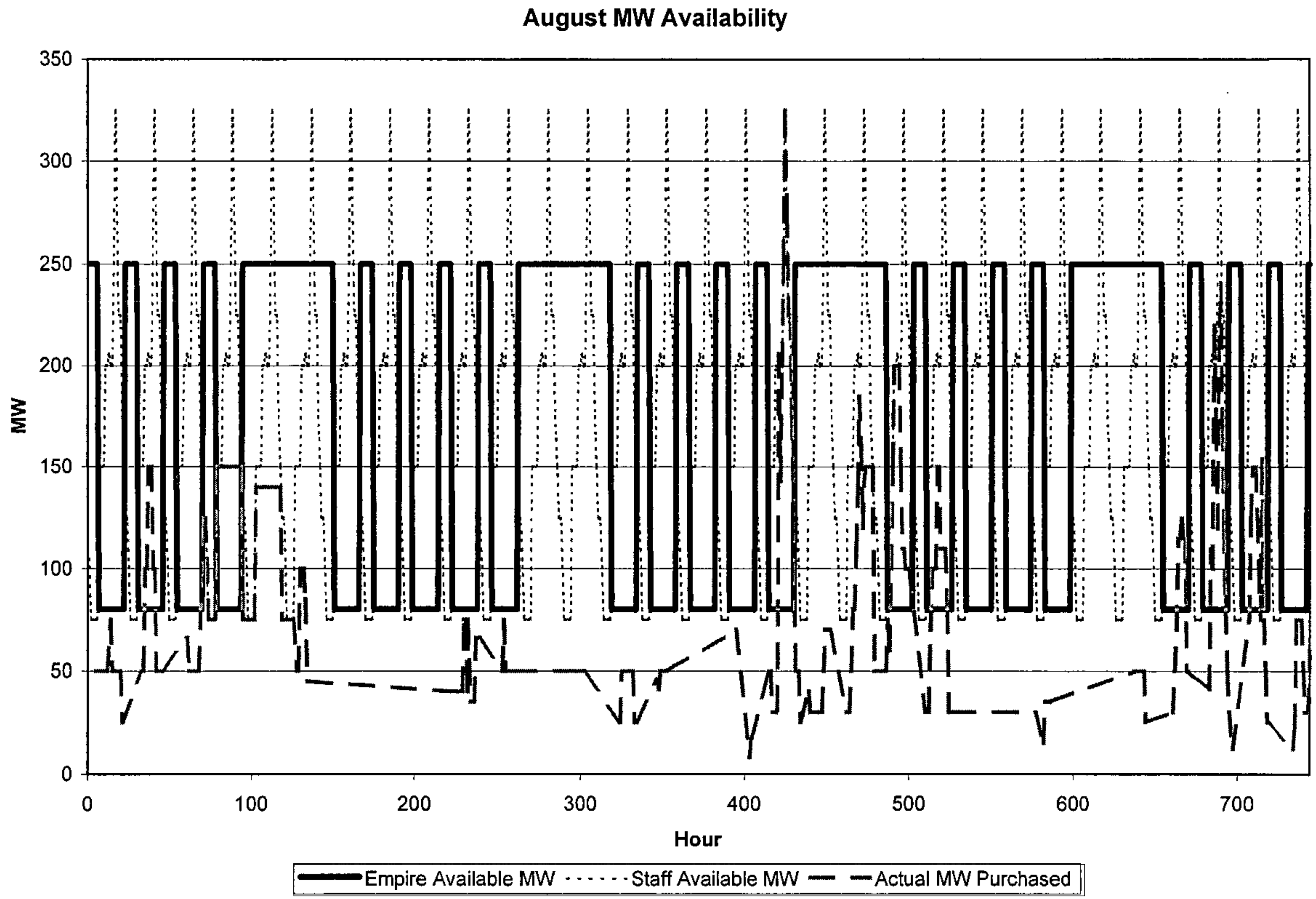


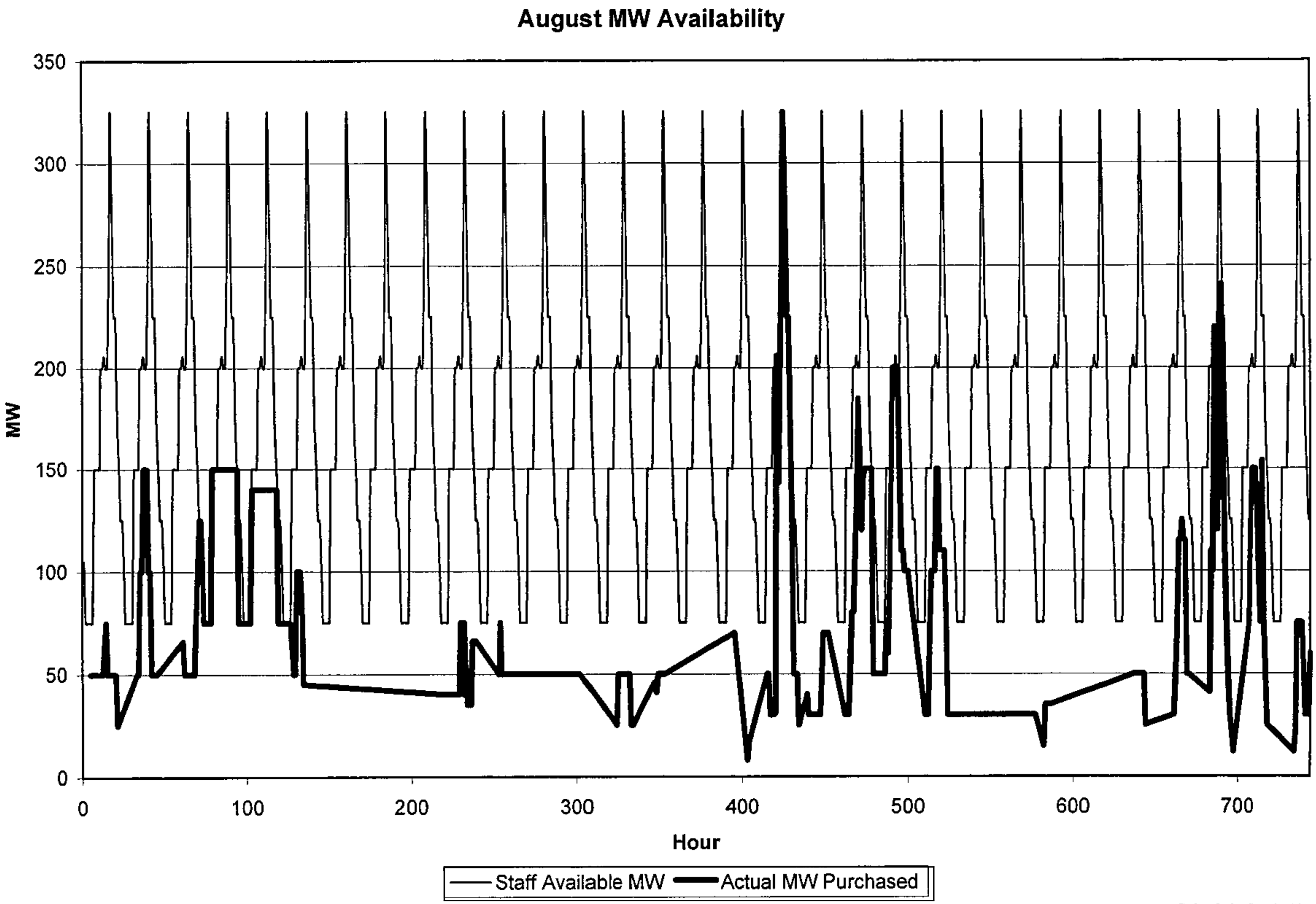
**Summary of TLR Events
Involving Deliveries to EDE
on Wednesday August 8, 2001**

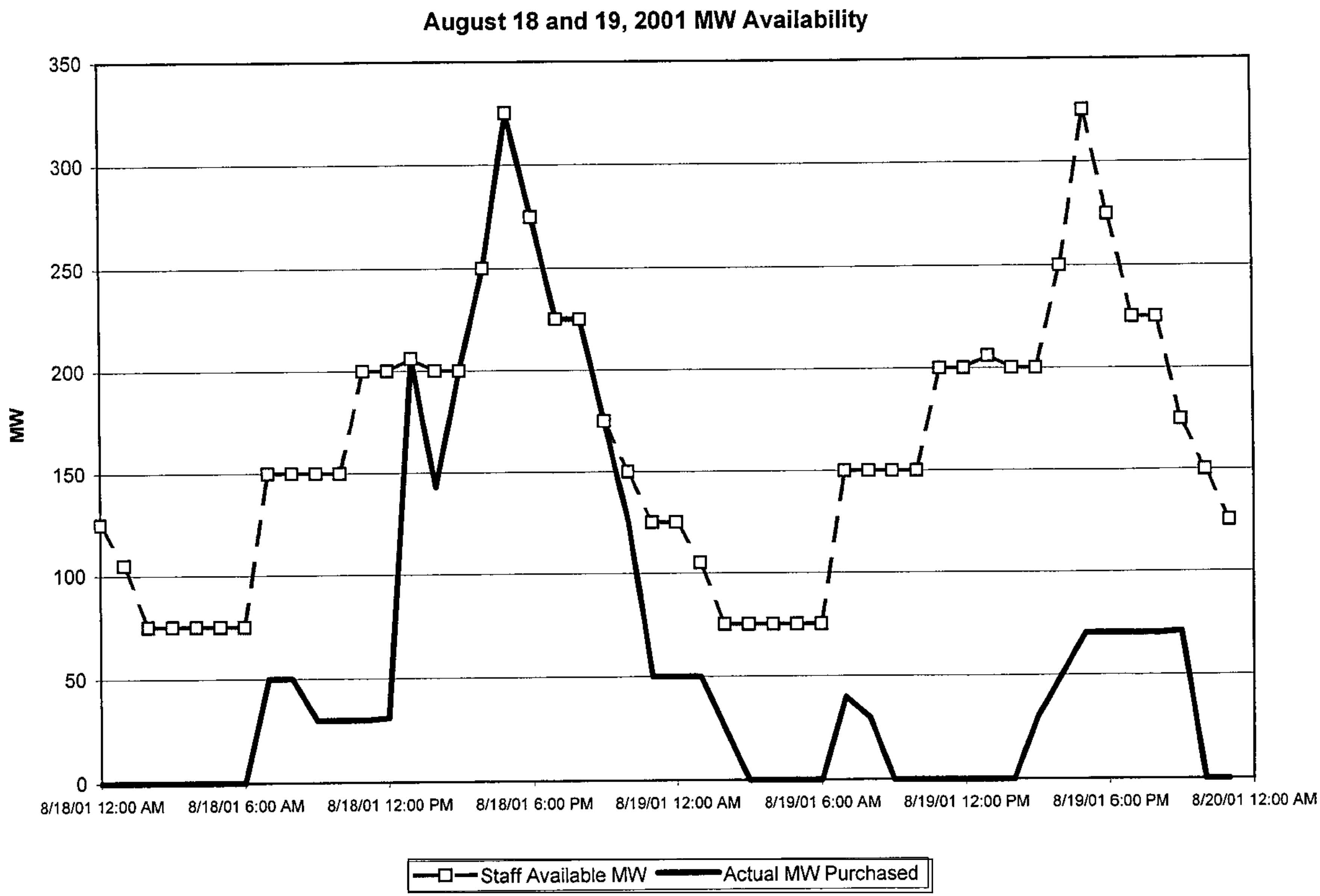


Summary of TLR Events Involving Deliveries to EDE on Wednesday August 15, 2001




August MW Availability
350
300
250
200
150
100
50
0
MW
0
100
200
300
400
500
600
700
Hour
Empire Available MW
Staff Available MW
Actual MW Purchased


August MW Availability
350
300
250
200
150
100
50
0
MW
0
100
200
300
400
500
600
700
Hour
Staff Available MW
Actual MW Purchased



Schedule BPB-18

Daily Operations Report

Saturday, August 18, 2001

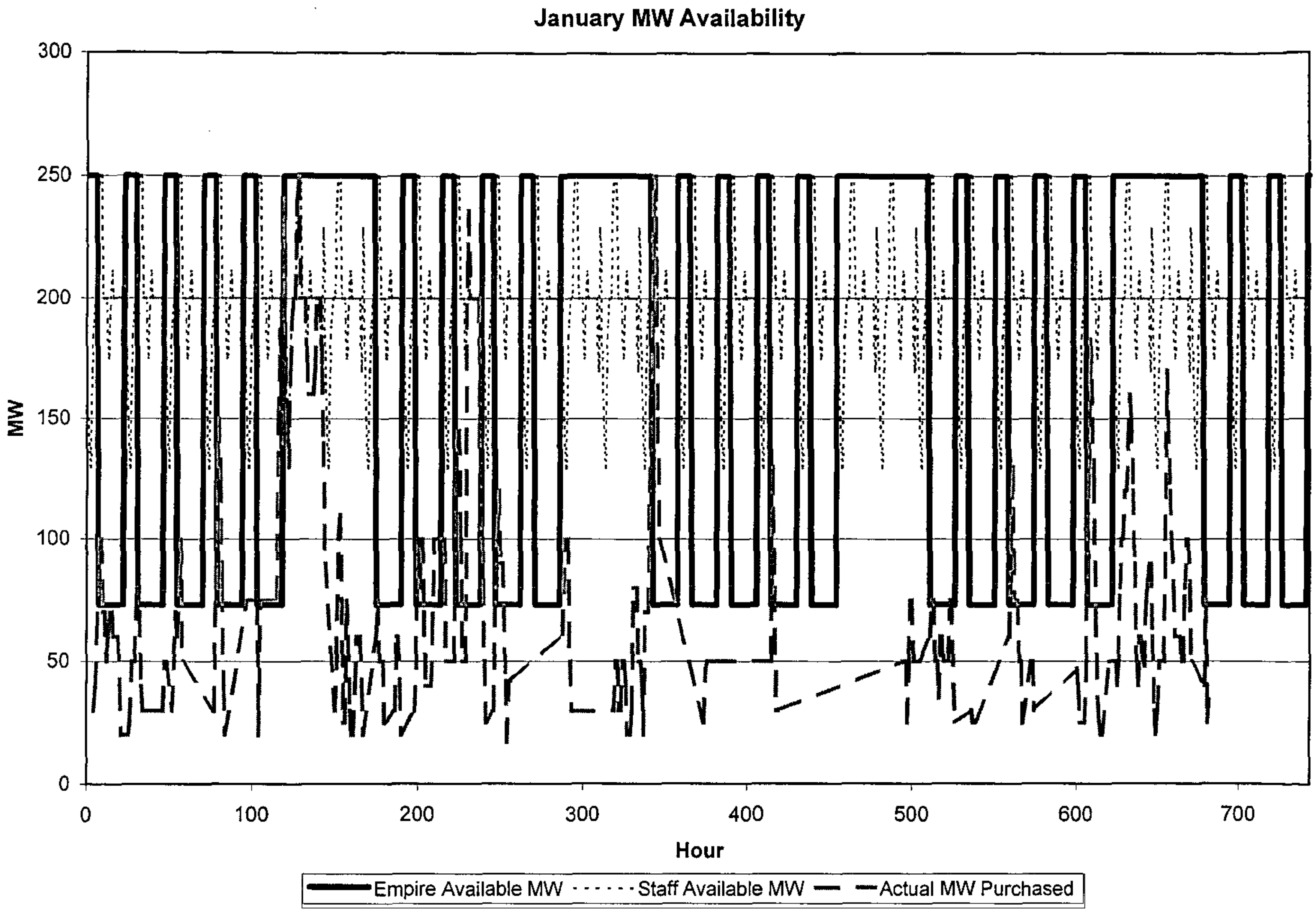
Time	Operation
0000,	latan is still reduced to approximately 617 MW due to boiler problems, EDE share approximately 74 MW.
0145,	latan reducing load due to a tube leak.
0153,	Riverton Sub 167 CB 6906 relayed and reclosed.
0153,	Baxter Springs Sub 271 CB 6957 relayed and reclosed.
0300,	latan reduced to approximately 325 MW due to boiler tube leak, EDE share approximately 39 MW.
0415,	latan tripped off line due to boiler tube leak.
1157,	State Line Sub 439, Unit 2-3 tripped off line.
1158,	Operating Reserve Contingency, received 38MW.
1158,	State Line Sub 439, Units 2-1 and 2-2 tripped off line.
1203,	Operating Reserve Contingency, received 150 MW.
1228,	Operating Reserve Contingency, received 78 MW.
1316,	Operating Reserve Contingency, received 58 MW.
1415,	State Line Sub 439, Unit 2-1 on line.
1430,	Energy Center Sub 382, Unit 2 available.
1502,	State Line Sub 439, Unit 2-1 off line.

Daily Operations Report

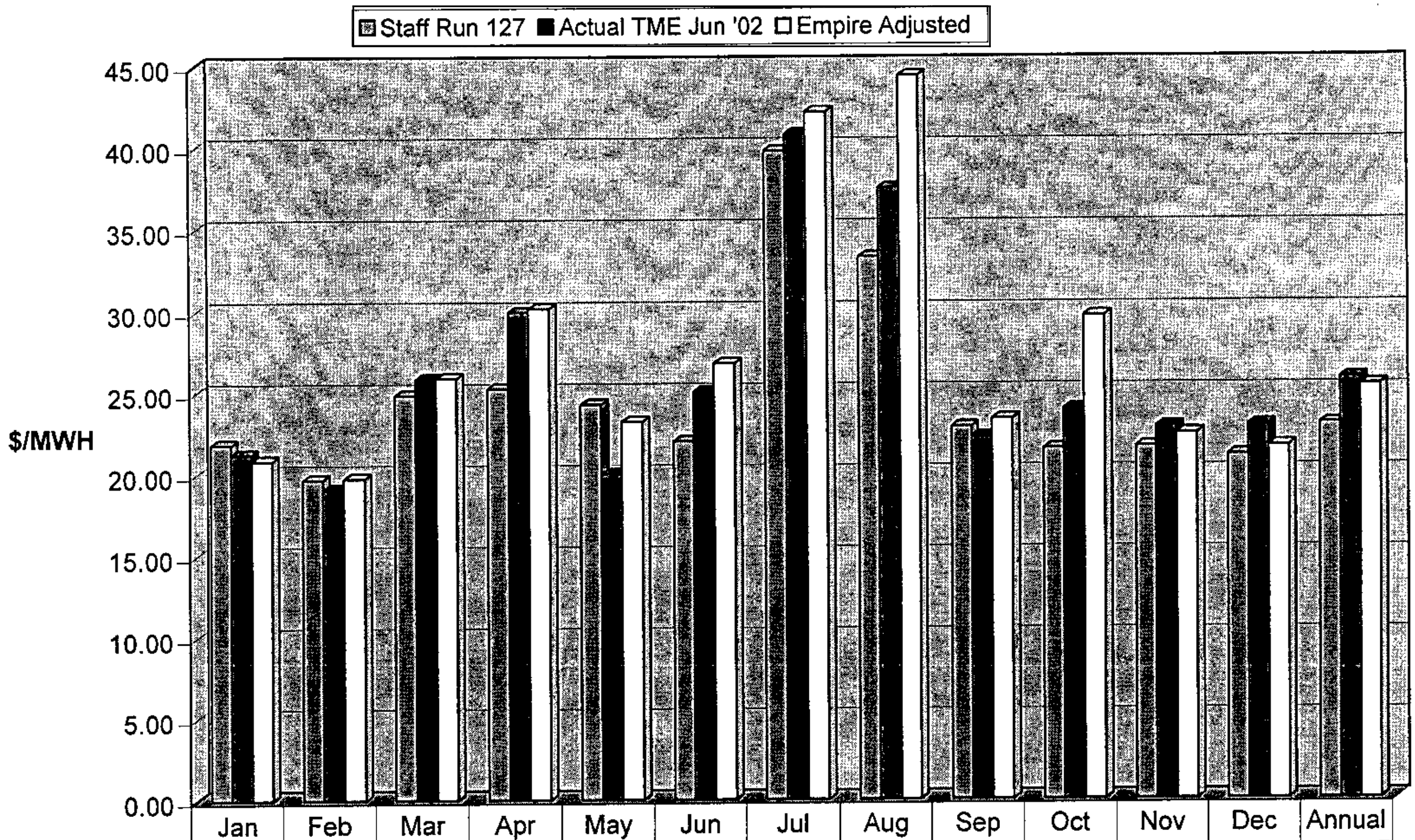
Wednesday, August 29, 2001

Time	Operation
0000,	Noel Southwest Sub 435 to Noel Sub 443 has been open for contractors since 0909, August 27th.
0000,	Iatan is still reduced to approximately 608 MW due to boiler problems, EDE share approximately 73 MW.
0726,	Oronogo Junction Sub 110 to Oakland East Sub 280, 69 KV line opened for contractor, closed and normal at 1730.
0834,	Decatur North Sub 326 to Gravette Sub 700, 69 KV line opened for contractor, closed and normal at 1153.
0909,	Riverton Unit 10 on line, off line at 1641.
0917,	Riverton Unit 9 on line, off line at 1634.
1004,	State Line Sub 439 CB 16122 opened to replace gas, closed and normal at 1034
1046,	State Line Unit 2-3 tripped off line.
1048,	State Line Unit 2-1 tripped off line.
1055,	Stockton Northwest Sub 324 to Caplinger Sub 304, 34 KV line opened to install a new Sub. Station, closed and normal at 1405.
1056,	Operating Reserve Contingency, received 158 MW.
1126,	Energy Center Unit 2 on line.
1133,	State Line Unit 1 on line, off line at 1708.
1358,	Ash Grove Sub 121 station check, normal at 1434.
1438,	Energy Center Unit 1 on line.
1705,	State Line Unit 2-3 on line, tripped off at 1708.
1715,	State Line Unit 2-2 tripped off line.
1718,	Operating Reserve Contingency, received 29 MW.

Schedule BPB-20


January MW Availability
300
250
200
150
100
50
0
MW
0
100
200
300
400
500
600
700
Hour
Empire Available MW
Staff Available MW
Actual MW Purchased

Purchase Power Output Prices



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Staff Run 127	21.83	19.68	24.86	25.27	24.28	22.00	39.77	33.28	22.88	21.54	21.65	21.12	23.04
Actual TME Jun '02	21.23	19.09	25.86	29.96	20.02	25.06	40.81	37.51	22.24	23.97	22.88	22.96	25.87
Empire Adjusted	20.84	19.76	25.92	30.17	23.22	26.80	42.16	44.38	23.36	29.70	22.46	21.67	25.43

Month

AFFIDAVIT

STATE OF MISSOURI)
) ss
COUNTY OF JASPER)

On the 20th day of September, 2002, before me appeared Brad P. Beecher, to me personally known, who, being by me first duly sworn, states that he is the Vice President – Energy Supply of The Empire District Electric Company and acknowledged that he has read the above and foregoing document and believes that the statements therein are true and correct to the best of his information, knowledge and belief.

Brad P. Beecher

Brad P. Beecher

Subscribed and sworn to before me this 20th day of September, 2002

Donna M. Longan

Donna M. Longan, Notary Public

My commission expires: January 24, 2004

DONNA M LONGAN
Notary Public - Notary Seal
STATE OF MISSOURI
JASPER COUNTY
MY COMMISSION EXP. JAN. 24,2004