Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report

For the Year Ending December 31, 2003
FERC FORM NO. 714

Form Approved
OMB Numbers: 1902 - 0140
(Expires: 10-31-2006)

This report is mandatory under the Federal Power Act, and is a regulatory support requirement as provided by 18 C.F.R. §141.51. Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. Information reported on the FERC Form No. 714 is not considered confidential. Questions concerning this report will be answered by: Ms. Sandy J. Russell (202) 502-8376 or form714@ferc.gov.

This form consists of: Part I, Identification and Certification; Part II, comprising Schedules 1 through 6; Part III, comprising Schedules 1 and 2; and Part IV, Notes. All respondents are to complete Parts I and IV. Part II is to be completed by each electric utility or group of electric utilities which operates a control area. Part III is to be completed by each electric utility or group of electric utilities which constitute a planning area and has an annual peak demand that is greater than 200 MW. An electric utility is a corporation, person, agency, authority, or other legal entity or instrumentality that owns and/or operates facilities within the United States for the generation, transmission, distribution, or sale of electric energy primarily for use by the public.

List of Schedules

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report

For the Year Ending December 31, 2003

Part I - Schedule I. Identification and Certification

1. Respondent Identification: Southwest Power Pool

Code: Name: Kevin Goolsby

2. Respondent Type: (Please check appropriate box and fill in name)

[ ] Part I: Control Area (Complete Parts I, II and IV)

Control Area Name:

[X] Part II: Planning Area (Complete Parts I, III and IV)

Planning Area Name: Southwest Power Pool

3. Respondent Mailing Address:

415 N. McKinley, #800 Plaza West
Little Rock, AR 72205-3020

4. Contact Person:

Name: Kevin Goolsby
Title: Engineer II
E-mail address: kgoolsby@spp.org
Telephone #: 501-614-3275 Ext.

5. Certifying Official:

Name: Jay Caspary
Title: Manager, Engineering

Signature: _________________ Date: __5/14/04_____

Return Completed Form to: Federal Energy Regulatory Commission
Form No. 714
Room 8F-01
888 First Street, N.E.
Washington, DC 20426

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2003

Please Type:
Utility Code
Utility Name

Part II - Schedule 1. Generating Plants Included in Reporting Control Area
(Use continuation sheets if needed)

Under the name of its operating electric utility, list all generating plants (1) within the respondent's control area which are controlled, metered or for which the required information is otherwise available to control area operators and (2) dynamically scheduled plants or units outside the control area. Specifically identify dynamically scheduled plants. Report only plant totals with generators in an operating or standby status. Provide totals for columns (d) and (e) as a last line. The total in column (d) should equal the value in column (c) on Schedule 2 for the month of the annual peak demand. The total in column (e) should equal the value in column (f) on Schedule 3 for the month of the annual peak demand. Any differences must be explained in a note. For specific guidelines, please refer to the attached Schedule 1 Instructions on pages 14 and 15.

Line No. (a)	Electric Utility Name (b)	Plant Name (c)	Plant Available Capability at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (d)	Integrated Net Load on the Plant at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (e)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
		TOTAL		

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2003

Please Type:
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Part II - Schedule 2. Control Area Monthly Capabilities at Time of Monthly Peak Demand

The peak demand and other terms used in this schedule are defined in the attached instructions for Schedule 2, pages 15 through 18. Please first read the instructions, then complete this Schedule. The value in column (c) for the month of the annual peak demand should equal the total in column (d) in Schedule 1. Any difference must be explained in a note.

		Net Capability at the Time of the Monthly Peak Demand, Based on Control Area Net Energy For Load (NEL)							
		Net Capability from Plants Reported on Schedule II					External to the Control Area Net Unit or Firm Capability (MW)		
			Unavailable Capability Due to:						
Line No. (a)	Month (b)	Available Capability (MW) (c)	Planned Outage and Derating (MW) (d)	Unplanned Outage and Derating (MW) (e)	Other Outage and Derating* (MW) (f)	Total (c + d + e + f) (MW) (g)	Available (MW) (h)	Not Available (MW) (i)	Total Capability (g + h + i) (MW) (j)
1.	Jan								
2.	Feb								
3.	Mar								
4.	Apr								
5.	May								
6.	Jun								
7.	Jul								
8.	Aug								
9.	Sep								
10.	Oct								
11.	Nov								
12.	Dec								

* Reductions in capability due to fuel supply problems, environmental restrictions, lack of transmission availability at a generating plant, etc.

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2003

Please Type:
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Part II - Schedule 3. Control Area Net Energy for Load and Peak Demand Sources by Month

Enter the monthly "Net Energy for Load" which is the amount of energy that the control area requires internally including control area losses. The total in column (d) should equal the difference in the totals for columns (e) and (f) on Schedule 5. The value in column (f) for the month of the annual peak demand should equal the total in column (e) in Schedule 1. Any differences must be explained in a note. For detailed instructions and definitions, please refer to attached Schedule 3 Instructions on pages 19 and 20.

					Control Area Load Sources at Time of Control Area Monthly Peak Demand, Based on Net Energy For Load (NEL)					
Line No. (a)	Month (b)	Control Area Net Generation (MWh) (c)	Net Actual Interchange (MWh) (d)	Net Energy for Load (MWh) (c + d) (e)	Output of Generating Plants (MW) (f)	Unit or Firm Purchases (MW) (g)	Unit or Firm Sales (MW) (h)	Net Non-Firm & Inadvertent (MW) (i)	Monthly Peak Demand (MW) (f+g-h+i) (j)	Monthly Minimum Demand (MW) (k)
1.	January									
2.	February									
3.	March									
4.	April									
5.	May									
6.	June									
7.	July									
8.	August									
9.	September									
10.	October									
11.	November									
12.	December									
13.	Total									

Federal Energy Regulatory Commission FERC Form No. 714 (2004)	**Annual Electric Control and Planning Area Report** **For the Year Ending December 31, 2003**	Please Type: Utility Code Utility Name

Part II - Schedule 4. Adjacent Control Area Interconnections

Identify on this schedule: each adjacent control area with which the respondent control area is interconnected in column (b), all the interconnection line or bus names with the adjacent control area in column (c), and the line or bus voltage in column (d). See Schedule 4 Instructions on pages 20 and 21.

Line No. (a)	Name of Adjacent Control Area (b)	Control Area Interconnection Line or Bus Names (c)	Line or Bus Voltage (kV) (d)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			

Federal Energy Regulatory Commission FERC Form No. 714 (2004)	**Annual Electric Control and Planning Area Report** **For the Year Ending December 31, 2003**	Please Type: Utility Code Utility Name

Part II - Schedule 5.
Control Area Scheduled and Actual Interchange

Identify on this schedule: each control area with which the respondent control area has actual or scheduled interchange of energy, in column (b); the total annual megawatthours (MWh) of the scheduled interchange that were received by the respondent control area through all interconnection points with each control area, in column (c); the MWh of scheduled interchange delivered to each control area, in column (d); the MWh of total annual actual interchange received and delivered within each **adjacent** control area, in columns (e) and (f). Provide totals for columns (c), (d), (e) and (f). The difference in the totals for columns (e) and (f) should equal the total in column (d) on Schedule 3. Any difference must be explained in a note. See Schedule 5 Instructions on page 21.

Line No.	Name of Control Area	Scheduled Interchange Between Control Areas (MWh)		Actual Interchange Between Adjacent Control Areas (MWh)	
		Received	Delivered	Received	Delivered
(a)	(b)	(c)	(d)	(e)	(f)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.	TOTAL				

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Control Area and Electric System Report

For the Year Ending December 31, 2003

Please Type:
Utility Code
Utility Name

Part II - Schedule 6. Control Area System Lambda Data

Submit on a 3.5 inch diskette or CD formatted for the DOS operating system the following data file in ASCII format: the control area's system lambda for each hour of the year starting with 1 a.m., January 1, 2003. Identify clearly the time zone in which this time series is made. The file should have 8760 records (8784 for leap years). Each record is to contain the system lambda value at the clock hour in dollars per megawatthour (mills per kilowatthour) or an "NA" for those hours when system lambda was not calculated.

Control Area Hourly System Lambda. For control areas where demand following is primarily performed by thermal generating units, the system lambda is derived from the economic dispatch function associated with automatic generation control performed at the controlling utility or pool control center. Excluding transmission losses, the fuel cost ($/hr) for a set of on-line and loaded thermal generating units (steam and gas turbines) is minimum [1] when each unit is loaded and operating at the same incremental fuel cost ($/MWh) [2] with the sum of the unit loadings (MW) equal to the system demand plus the net of interchange with other control areas. This single incremental cost of energy is the system lambda. System lambdas are likely recalculated many times in one clock hour. However, the indicated system lambda occurring on each clock hour would be sufficient for reporting purposes.

Provide, as a note in Part IV, an explanation describing the reason for the unavailability of system lambda information and a definite plan for reporting the information with a target date. The Commission expects that all Energy Management Systems, with proper instructions, can record the system lambda being used for economic dispatch of the control area's thermal units.

Respondents should be able to report system lambda, along with the other information reported on a control area basis, that describe the operation of such areas from information that should be readily available. The Commission is not requesting Respondents to develop incremental or marginal cost (either short or long term) according to any formula. Nor is the Commission requesting "avoided cost rates" that, pursuant to PURPA 210, electric utilities file with state commissions or otherwise make available for prospective qualified facilities.

Description of Economic Dispatch. Also, provide in writing a detailed description of how Respondent calculates system lambda. For those systems that do not use an economic dispatch algorithm and do not have a system lambda, provide in writing a detailed description of how control area resources are efficiently dispatched.

[1] Some utilities may also include variable operation and maintenance costs that they consider "dispatchable." Therefore the costs to be minimized could include a variable O&M component as well as the fuel costs.

[2] Because unit heat rates and fuel costs vary, some units may not be able to operate at the same incremental fuel cost as the other units and, thus, those units may be loaded differently.

Federal Energy Regulatory Commission
FERC Form No. 714 (2004)

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2003

Please Type:
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Utility Name

Part III - Schedule 1. Electric Utilities That Compose the Planning Area
(Use continuation sheets if needed)

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Please refer to Instructions on pages 23 and 24 .

Line No. (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW) Summer (c)	Winter (d)
1.	CELE-CLECO CORPORATION	1990	1814
2.	LAFA-CITY OF LAFAYETTE LOUISIANA	402	336
3.	LEPA-LOUISIANA ELECTRIC POWER AUTHORITY	242	179
4.	SWPA-SOUTHWEST POWER ADMINISTRATION	678	577
5.	AEPW-AMERICAN ELECTRIC POWER - WEST	8479	6293
6.	GRDA-GRAND RIVER DAM AUTHORITY	1394	1073
7.	OKGE-OKLAHOMA GAS AND ELECTRIC	5657	4053
8.	WFEC-WESTERN FARMERS ELECTRIC COOPERATIVE	1225	1095
9.	SWPS-SOUTHWESTERN PUBLIC SERVICE COMPANY	4865	3346
10.	OMPA-OKLAHOMA MUNICIPAL POWER AUTHORITY	611	314
11.	MCLN- MCCLAIN OKLAHOMA	0 (Gen only)	0 (Gen only)

12	MIDW-MIDWEST ENERGY	263	117
13	SUNC-SUNFLOWER ELECTRIC COOPERATIVE	412	265
14	WERE-WESTAR ENERGY	4795	3303
15	WEPL-AQUILA, WESTPLAINS ENERGY	557	365
16	MIPU-AQUILA, MISSOURI PUBLIC SERVICE COMPANY	1711	1206
17	KACP-KANSAS CITY POWER AND LIGHT COMPANY	3610	2268
18	KACY-BOARD OF PUBLIC UTILITIES, KANSAS CITY, KS	520	346
19	EMDE-EMPIRE DISTRICT ELECTRIC COMPANY	1041	987
20	INDN-CITY OF INDEPENDENCE MISSOURI	315	162
21	SPRM-CITY OF SPRINGFIELD MISSOURI	691	440

Federal Energy Regulatory Commission FERC Form No. 714 (2004)	**Annual Electric Control and Planning Area Report** **For the Year Ending December 31, 2003**	Please Type: Utility Code Utility Name

Part III - Schedule 2.
Planning Area Hourly Demand and Forecast Summer and Winter Peak Demand and Annual Net Energy for Load

PLANNING AREA HOURLY DEMAND

(1) Respondents must submit hourly demand data in electronic form to the Commission. Additionally, Respondents that participate in a national, regional or subregional process for consolidating and ensuring the consistency and accuracy of actual hourly and forecast demand information, may instead authorize the national, regional or subregional organization to release that information to the Commission, and to the public at the cost of reproduction, in an easily accessible electronic format, such as the EEI format.

(2) If the Respondent does not participate in the development of national, regional or subregional actual and forecast demand information, it must submit its own, equivalent, demand information directly to the Commission along with this report, as follows. Respondents must submit on a 3.5 inch diskette or CD formatted for the DOS operating system the following data file in ASCII format: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m, January 1, 2003. Indicate the time zone and the period for which daylight savings time was used. The file should have 8760 records (8784 for leap years). For hours when this information is not available, enter "NA."

PLANNING AREA FORECAST SUMMER AND WINTER PEAK DEMAND

Provide on the diskette a file containing the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

Federal Energy Regulatory Commission FERC Form No. 714 (2004)	**Annual Electric Control and Planning Area Report** **For the Year Ending December 31, 2003**	Please Type: Utility Code Utility Name

Part IV.
Notes

Indicate a note by placing an asterisk (*) next to the entry on Schedules 1 through 6 of Part II and Schedules 1 and 2 of Part III, and then provide the note below. For each note, enter the page number in Column (a), the line number in Column (b), the column letter in Column (c), and the Note in Column (d). Use more than one line if needed.

Page No. (a)	Line No. (b)	Column Letter (c)	Notes (d)
			None