



Louisville Gas and Electric Company
220 West Main Street (40202)
P. O. Box 32010
Louisville, Kentucky 40232

March 1, 2005

Elizabeth O'Donnell, Executive Director
Public Service Commission
211 Sower Boulevard
P. O. Box 615
Frankfort, Kentucky 40601

RECEIVED

MAR 1 2005

PUBLIC SERVICE
COMMISSION

**Re: A REVIEW OF THE ADEQUACY OF KENTUCKY'S GENERATION
CAPACITY AND TRANSMISSION SYSTEM - ADM. CASE NO. 387**

Dear Ms. O'Donnell:

Pursuant to Appendix G of the Commission's Order dated December 20, 2001, as amended in further Commission Order dated March 29, 2004, in the above styled case, enclosed are an original and five (5) copies of the 2004 Annual Resource Assessment Filing of Louisville Gas and Electric Company.

Also filed herewith is a Petition for Confidential Protection regarding certain information provided in response to Item No. 11.

Very truly yours,

Robert M. Conroy
Manager, Rates

Enclosures

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

RECEIVED

MAR 1 2005

PUBLIC SERVICE
COMMISSION

In the Matter of:

A REVIEW OF THE ADEQUACY OF)
KENTUCKY'S GENERATION CAPACITY) **ADMINISTRATIVE**
AND TRANSMISSION SYSTEM) **CASE NO. 387**

2004 ANNUAL RESOURCE ASSESSMENT FILING
OF
LOUISVILLE GAS AND ELECTRIC COMPANY
PURSUANT TO APPENDIX G
OF THE COMMISSION'S ORDER
DATED DECEMBER 20, 2001
AS AMENDED BY THE
COMMISSION'S ORDER
DATED MARCH 29, 2004

FILED: MARCH 1, 2005

LOUISVILLE GAS AND ELECTRIC COMPANY

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FILED MARCH 1, 2005**

ITEM NO. 1

The information originally requested in Item 1 of Appendix G of the Commission's Order dated December 20, 2001, in Administrative Case No. 387, is no longer required pursuant to the Commission's Order of March 29, 2004, amending the previous Order.

LOUISVILLE GAS AND ELECTRIC COMPANY

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ITEM NO. 2

The information originally requested in Item 2 of Appendix G of the Commission's Order dated December 20, 2001, in Administrative Case No. 387, is no longer required pursuant to the Commission's Order of March 29, 2004, amending the previous Order.

LOUISVILLE GAS AND ELECTRIC COMPANY

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ITEM NO. 3

RESPONDENT: Robert Thomson/Keith Yocum

3. Actual and weather-normalized monthly coincident peak demands for the just completed calendar year. Demands should be disaggregated into (a) native load demand (firm and non-firm) and (b) off-system demand (firm and non-firm).

Response:

Please refer to attached Table LGE-3, which shows the actual and weather-normalized coincident peak native demands. The normalized native peak demands are available only on a seasonal (summer/winter) basis.

Louisville Gas & Electric Co.

**TABLE LGE-3
NATIVE AND OFF-SYSTEM PEAK DEMANDS BY MONTH - 2004**

Time of Monthly Native Peak	Estimated Native Peak (Uncurtailed)	Non-Firm Load(1)	Firm Native Load (Recorded Peak)	Weather-Normalized Native Peak	Off-System Firm (3)	Non-Firm (3)	Total
2004-01-30-11:00	1,750	50	1,700	1,683	106	181	287
2004-02-03-19:00	1,675	50	1,625		225	295	520
2004-03-22-21:00	1,504	41	1,463		19	32	51
2004-04-13-20:00	1,530	58	1,472		25	22	47
2004-05-21-16:00	2,267	52	2,215		32	28	60
2004-06-14-18:00	2,444	28	2,416		0	0	0
2004-07-13-18:00	2,485	27	2,458	2,562	23	28	51
2004-08-19-16:00	2,440	26	2,414		4	3	7
2004-09-15-16:00	2,187	22	2,165		165	165	330
2004-10-29-19:00	1,603	48	1,555		205	300	505
2004-11-29-19:00	1,555	35	1,520		217	216	433
2004-12-20-12:00	1,787	58	1,729		139	165	304

Notes

- (1) This represents an estimate of peak load curtailment under the LG&E Interruptible contracts, based on 2003 analysis. Interruptible contract volumes were broadly unchanged in 2004.
- (2) The allocation of off-system sales split between LG&E and KU is handled in the After-the-Fact Billing process in accordance with the Power Supply System Agreement between LG&E and KU. The individual company sales will include an allocation of the sales sourced with purchased power and allocated to the individual company based on each company's contribution to off-system sales.
- (3) The allocation of off-system sales between firm and non-firm is not available from the hourly data in AFB. The breakout is based on the monthly totals for LG&E and KU sales for firm and non-firm sales.

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ITEM NO. 4

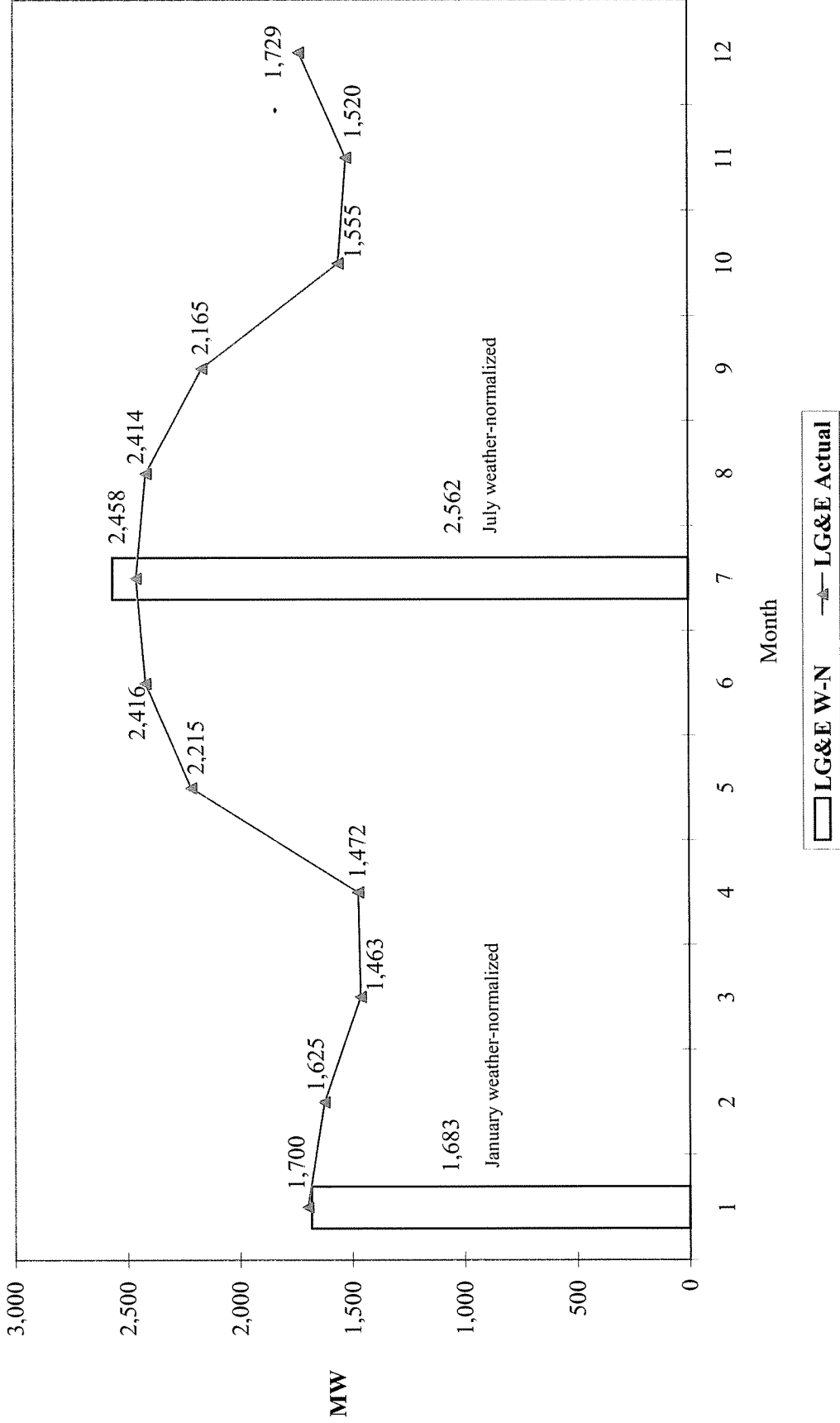
RESPONDENT: Robert Thomson

4. Load shape curves that show actual peak demands and weather-normalized peak demands (native load demand and total demand) on a monthly basis for the just completed calendar year.

Response:

Please refer to the attached Figure LGE-4.

Figure LGE-4
 Actual and Weather Normalized LG&E Peak Demand for 2004



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ITEM NO. 5

The information originally requested in Item 5 of Appendix G of the Commission's Order dated December 20, 2001, in Administrative Case No. 387, is no longer required pursuant to the Commission's Order of March 29, 2004, amending the previous Order.

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ITEM NO. 6

RESPONDENT: Robert Thomson/Keith Yocum

6. Based on the most recent demand forecast, the base case demand and energy forecasts and high case demand and energy forecasts for the current year and the following four years. The information should be disaggregated into (a) native load (firm and non-firm demand) and (b) off-system load (both firm and non-firm demand).

Response:

- a) Please see the attached Table LGE-6a.
- b) Off-system sales (OSS) projections for 2005-2009 are contained in Table LGE-6b. For Off-System Sales, only base case total sales energy projections exist for 2005-2009. The projections consist of "Existing OSS", which includes an existing long-term sales agreement with EKPC, and the expected market sales, dubbed "Wholesale OSS". In the long-range model, wholesale financially Firm and Non-firm sales are not distinguished but are combined into an overall expected sales energy.

The projection is developed in-house using the Henwood Energy Services Inc. PROSYM hourly production cost model, with market prices based on data provided to the LG&E Energy Marketing group from several external parties including utilities, energy marketing entities, and/or brokers.

Table LGE-6a

LOUISVILLE GAS & ELECTRIC

BASE CASE

	2005	2006	2007	2008	2009
Energy Sales (GWh)	11,983	12,188	12,330	12,549	12,765
Energy Requirements (GWh)	12,657	12,870	13,024	13,266	13,478

Native Peak Demand (MW)

Firm	2,629	2,673	2,705	2,756	2,800
Non-firm*					

* Non-firm sales are not forecasted separately.

Table LGE-6b
Total Base Case Off-System Sales Energy Projection

	2005	2006	2007	2008	2009
Existing OSS (GWH)	127	0	0	0	0
Wholesale OSS (GWH)	3,523	3,187	2,646	2,630	2,372
Total OSS (GWH)	3,651	3,187	2,646	2,630	2,372

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ITEM NO. 7

RESPONDENT: Keith Yocum

7. The target reserve margin currently used for planning purposes, stated as a percentage of demand. If changed from what was in use in 2001, include a detailed explanation for the change.

Response:

The Companies established an optimal reserve margin range of 13% to 15%, with 14% recommended for planning purposes. The range provides an optimum level of reliability through various system operating conditions. The reserve margin analysis was performed as part of the 2002 Integrated Resource Plan, filed with the Commission in October 2002 (Case No. 2002-00367). The Companies are currently preparing their joint 2005 IRP, which will be filed with the Commission in April. The reserve margin analysis for the 2005 IRP is complete and recommends maintaining a range of 12% to 14%.

The Companies utilized a target reserve margin of 12% in 2001 and 14% in 2002 based on a reserve margin range of 11%-14% established in the Companies' 1999 IRP. A detailed explanation of the change to the current target reserve margin is documented in the report titled "2002 Analysis of Reserve Margin Planning Criterion" contained in Volume III of the Companies' 2002 IRP.

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ITEM NO. 8

RESPONDENT: Keith Yocum

8. Projected reserve margins stated in megawatts and as a percentage of demand for the current year and the following 4 years. Identify projected deficits and current plans for addressing these. For each year identify the level of firm capacity purchases projected to meet native load demand.

Response:

The requested data related to the reserve margin is specified in the attached table LGE-8. The capacity required to meet the reserve margin targets of 13% and 15% are also specified in the table. These values represent reserve margins prior to any future resource acquisition. Based on the current load forecast, the Companies' capacity exceeds the 13% minimum reserve margin target for all years of the subject period.

As described in the response to Item No. 12, the Companies plan to add capacity to the existing system by constructing another coal-fired base load unit that is scheduled for completion by early 2010. The additional capacity will allow the Companies to maintain at least a 14% reserve margin through 2012.

**Table LGE-8
Combined Company
Reserve Margin Needs (MW)**

<u>Current Values</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
Peak Load	6,796	6,911	7,051	7,225	7,372
CSR/Interrupt	-100	-100	-100	-100	-100
New DSM	-67	-89	-108	-116	-116
Net Load	6,629	6,722	6,843	7,009	7,156
Existing Capability	7,608	7,609	7,596	7,582	7,547
EEI	200	200	200	200	200
OMU	196	195	193	193	192
OVEC	209	179	179	179	179
Total Supply	8,213	8,183	8,168	8,154	8,118
MW Margin	1,720	1,584	1,461	1,326	1,147
Reserve Margin %	23.9%	21.7%	19.4%	16.4%	13.5%
Capacity Need for 13%	-722	-588	-437	-237	-35
Capacity Need for 15%	-590	-453	-300	-97	109
New Capacity	0	0	0	0	0
Total Supply	8,213	8,183	8,168	8,154	8,118
Reserve Margin, MW	1,584	1,461	1,326	1,147	964
Reserve Margin %	23.9%	21.7%	19.4%	16.4%	13.5%

Based on 2004 Load forecast.

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ITEM NO. 9

The information originally requested in Item 9 of Appendix G of the Commission's Order dated December 20, 2001, in Administrative Case No. 387, is no longer required pursuant to the Commission's Order of March 29, 2004, amending the previous Order.

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ITEM NO. 10

The information originally requested in Item 10 of Appendix G of the Commission's Order dated December 20, 2001, in Administrative Case No. 387, is no longer required pursuant to the Commission's Order of March 29, 2004, amending the previous Order.

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ITEM NO. 11

RESPONDENT: Keith Yocum

11. A list that identifies scheduled outages or retirements of generating capacity during the current year and the following four years.

Response:

The planned maintenance outage schedule for 2005 through 2009 is being provided pursuant to a Petition for Confidential Protection. The schedule is regularly modified based on actual operating conditions, forced outages, changes in the schedule required to meet environmental compliance regulations, fluctuations in wholesale prices, and other unforeseen events.

None of the Companies' units were retired in 2004. However, the Companies are presently working on transferring ownership of Lock 7 to a third party. It is anticipated that Lock 7 ownership will be transferred in 2005. Additionally, the Companies are reviewing the economic operability of the units contained in the table below. Further discussions on the economic review are included in the Companies' most recent IRP.

Type of Unit	Plant Name	Unit	Summer Capacity	In Service Year	Age (2004)
Steam	Tyrone	1	27	1947	57
Steam	Tyrone	2	31	1948	56
CT	Waterside	7	11	1964	40
CT	Waterside	8	11	1964	40
CT	Cane Run	11	14	1968	36
CT	Paddy's Run	11	12	1968	36
CT	Paddy's Run	12	23	1968	36
CT	Zorn	1	14	1969	35
CT	Haefling	1,2,3	36	1970	34

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ITEM NO. 12

RESPONDENT: Keith Yocum

12. Identify all planned base load or peaking capacity additions to meet native load requirements over the next 10 years. Show the expected in-service date, size and site for all planned additions. Include additions planned by the utility, as well as those by affiliates, if constructed in Kentucky or intended to meet load in Kentucky.

Response:

The Companies are currently evaluating additional capacity required to satisfy the increasing base load growth identified in the Companies' most recent IRP. The table below contains MW needed to maintain a 14% reserve margin through 2014 based on the most recent load forecast.

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
MW Need	(656)	(520)	(369)	(167)	37	163	360	477	702	856

To meet continually growing demand requirements, the Companies plan to construct and acquire rights to additional base load and peaking capacity in the coming years at the schedule identified below. This additional capacity will be gained through construction of a base load, coal-fired unit in 2010 at the Trimble County Station (TC2), securing a contract for the purchase of 181 MW of firm power from W.V. Hydro Inc. in 2013, and construction of a 148 MW combustion turbine at an undetermined site in 2014.

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Capacity	0	0	0	0	0	549	0	0	181	148

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ITEM NO. 13

RESPONDENT: Mark Johnson

13. The following transmission energy data for the just completed calendar year and the forecast for the current year and the following four years:
- a. Total energy received from all interconnections and generation sources connected to the transmission system.
 - b. Total energy delivered to all interconnections on the transmission system.
 - c. Peak load capacity of the transmission system.
 - d. Peak demand for summer and winter seasons on the transmission system.

Response:

Data exists for 2004. No forecasts exist for 2004-2009.

- a. LG&E and KU are operated as one NERC Control Area. Statistics below are total sources for the single Control Area:

Tie Lines Received (GWH)	13,936,201
Net Generation LG&E (GWH)	17,317,537
Net Generation KU (GWH)	<u>17,103,548</u>
Total Sources (GWH)	48,357,286

- b. LG&E and KU are operated as one NERC Control Area. The amount of energy delivered at the interconnections of the single Control Area was 15,613,467 GWH(s).

- c. There is no set number for peak load capacity for the transmission system. The system is built to support native load under first contingency conditions. Actual transmission capacity available for native load, import, export, or thru-flow will vary depending on which facilities in the interconnected transmission system of the eastern interconnect are in service.
- d. The maximum summer peak transmission load for the common Control Area was 6508 MW on July 13, 2004 at 4:00 PM.

The maximum winter peak transmission load for the common Control Area was 5777 MW for the peak hour of January 23, 2004 at 8:00 AM.

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ITEM NO. 14**RESPONDENT: Mark Johnson**

14. Identify all planned transmission capacity additions for the next 10 years. Include the expected in-service date, size and site for all planned additions and identify the transmission need each addition is intended to address.

Response:

The following transmission projects were identified in the joint LG&E/KU 2005 IRP for the combined LG&E/KU footprint:

	DESCRIPTION	Date
1	Install a third 138/69 kV, 150 MVA transformer at Middletown.	Dec-04
2	Replace the 1272 AA conductor in the Middletown-Aiken 69 kV line (circuit 6657) with 2000 kcm conductor or equivalent. Reconductor the six-wired 336/636 kcm ACSR with six-wired 795 kcm ACSR.	Dec-04
3	Reconductor the Middletown-Finchville 69 kV line using 397 kcm ACSR conductor.	Dec-04
4	Close the Tip Top 69 kV bus tie breaker and install a 69 kV, 19.2 MVAR capacitor at Tip Top #1.	Dec-04
5	Remove the Spurlock-Kenton circuit #2 138 kV line.	Mar-05
6	Close the East Bernstadt 69 kV interconnection with EKPC by looping the Pittsburg-Lancaster 69 kV line through EKPC's East Bernstadt station.	Mar-05
7	Install a 69 kV, 14.4 MVAR capacitor at Leitchfield East.	May-05
8	Reconductor the 397 kcm ACSR conductor in the Madisonville South Tap to McCoy Avenue section of the Madisonville loop with 556 kcm ACSR.	May-05
9	Replace the 336 kcm ACSR conductor in the Mud Lane-Smyrna 69 kV line with 954 kcm ACSR conductor. Open Fairmount-6662 Tap and close Fairmount bus tie switch.	May-05
10	Install a 69 kV, 30 MVAR capacitor at Boone Avenue.	May-05
11	Install a 69 kV line exit at Middletown and at Ford for the Middletown-Ford circuit.	May-05
12	Construct 7.5 miles of 138 kV line from Middletown to Ford using 954 kcm ACSR conductor and operate this line at 69 kV.	May-05

DESCRIPTION	Date
13 Replace the 266 kcm ACSR conductor in the Ohio County-Rosine Jct. section of the Ohio County-Leitchfield 69 kV line with 556 kcm ACSR conductor.	May-05
14 Remove the 5% reactor from the Kenton-Rodburn 138 kV line.	May-05
15 Open the KU-EKPC Goddard 138 kV interconnection.	May-05
16 AEP taps the Arnold-Delvinta 161 kV line to connect to the Hazard-Leslie 161 kV line.	Nov-05
17 Install a 69 kV, 26.4 MVAR capacitor at the KU Hodgenville #744 station.	May-06
18 Install a third 138/69 kV, 112 MVA transformer at East Frankfort (use the spare 112 MVA removed from Loudon Avenue). Reconfigure the bus such that two transformers and two lines to Frankfort City stay in service during any contingency.	May-06
19 Install a 69 kV line exit at Loudon Avenue for the Loudon Avenue-Lakeshore/Bryant Road 69 kV circuit.	May-06
20 Construct 4.2 miles of 69 kV line from Loudon Avenue to the Lakeshore/Bryant Road tap using 795 kcm ACSR conductor. Serve the Lakeshore and Bryant Road loads radially from this line.	May-06
21 Construct 6 miles of 138 kV line using 556 kcm ACSR conductor from EKPC's Avon - Renaker 138 kV line to the 69 kV breaker station at Paris.	May-06
22 Install a 138/69 kV, 150 MVA transformer at Paris.	May-06
23 Install a 69 kV line exit at Lebanon for the Lebanon-Lebanon Industrial 69 kV line.	May-06
24 Construct 1.2 miles of 69 kV line from Lebanon to Lebanon Industrial using 397 kcm ACSR conductor.	May-06
25 Install a 69 kV, 28.8 MVAR capacitor at Versailles.	May-06
26 Increase the maximum operating temperature of the 397 kcm ACSR conductor in the Paris to Detroit Harvester Tap section of the Paris to Lexington Plant 69 kV line to 212F.	May-06
27 Install a second 138-69 kV, 150 MVA transformer at Fawkes.	May-06
28 Construct 8 miles of 138 kV line from Virginia City to AEP's Clinch River substation using 556 kcm ACSR conductor.	Nov-06
29 Install a 138/69 kV, 120 MVA transformer at Virginia City.	Nov-06
30 Replace the Spencer Road 138/69 kV, 33 MVA transformer with a 93 MVA transformer. (Use the transformer removed from West Cliff). Operate the two transformers at Spencer Road in parallel.	May-07
31 Replace the Spencer Road 138/69 kV, 56 MVA transformer with a 93 MVA transformer.	May-07
32 Construct 1.6 miles of 69 kV line from Ewington to AO Smith using 397 kcm ACSR conductor. Operate Ewington and AO Smith radially from Spencer Road.	May-07
33 Replace the 397 kcm ACSR conductor in the Sylvania-Parker Seal section of the Clark County-Winchester 69 kV line with 795 kcm ACSR conductor.	May-07
34 Install a 69 kV, 33.0 MVAR capacitor at Rogersville.	May-07

	DESCRIPTION	Date
35	Construct 1.5 miles of 69 kV line from Lebanon Industrial to Lebanon City using 397 kcm ACSR conductor. Serve Lebanon City on this radial from Lebanon.	May-07
36	Install a 12.0 MVAR capacitor at Olin Corp.	May-07
37	Replace the 556 kcm ACSR conductor in the Fawkes KU-Fawkes EKPC Tap section of the Fawkes-Lake Reba Tap 138 kV line with 795 kcm ACSR.	Nov-07
38	Install a 69 kV, 42.0 MVAR capacitor at Farley.	May-08
39	Reconductor the Dix Dam-Wilmore Tap section of the Dix Dam-Higby Mill 69 kV line with 556 kcm ACSR conductor.	May-08
40	Convert the Middletown-Ford 69 kV line to 138 kV and install a 138/69 kV, 150 MVA transformer at Ford.	May-08
41	Replace the West Cliff 138/69 kV, 93 MVA transformer with a 120 MVA transformer.	May-08
42	Install a 69 kV, 18.0 MVAR capacitor at Middlesboro #780.	May-08
43	Install a 69 kV, 10.8 MVAR capacitor at Metal & Thermit.	May-08
44	Replace the 397 kcm ACSR conductor in the Tyrone-Florida Tile Tap section of the Tyrone-Bonds Mill 69 kV line with 556 kcm ACSR conductor.	May-09
45	Replace the 397 kcm ACSR conductor in the Florida Tile Tap-Lawrenceburg section of the Tyrone-Bonds Mill 69 kV line with 556 kcm ACSR conductor.	May-09
46	Replace the 397 kcm ACSR conductor in the Fawkes-Richmond South section of the Fawkes-Okonite 69 kV line using 556 kcm ACSR conductor.	May-09
47	Replace the 397 kcm ACSR conductor in the Laurel County EKPC-Hopewell section of the Laurel County EKPC-Sweet Hollow 69 kV line using 556 kcm ACSR.	May-09
48	Install a third 138/69 kV, 60 MVA transformer at Carrollton.	May-09
49	Reconductor the Horse Cave Tap 69 kV line with 397.5 kcm ACSR conductor.	May-09
50	Install a 69 kV, 64.8 MVAR capacitor at Dahlia.	May-09
51	Replace the Pineville 161/69 kV, 93 MVA transformer with a 120 MVA unit.	Nov-09
52	Install two 345 kV line exits at Trimble Co and build 2.8 miles of double circuit 345 kV line to Cinergy's Ghent to Speed 345 kV line.	Dec-09
53	Construct approximately 43 miles of 345 kV line from Mill Creek to Hardin County using bundled 954 kcm ACSR conductor.	Dec-09
54	Construct 10.2 miles of 138 kV line between West Frankfort and Tyrone using 795 kcm ACSR conductor.	Dec-09
55	Construct 11.8 miles of 138 kV line between West Lexington and Higby Mill using 556 kcm ACSR conductor.	Dec-09
56	Construct a 138 kV line between Elizabethtown and Hardin County using 795 kcm ACSR conductor.	Dec-09

DESCRIPTION	Date
57 Reconductor the Ghent-Owen County Tap section of the Ghent-Scott County 138 kV line using 954 kcm ACSR conductor.	Dec-09
58 Replace the 138/69 kV, 112 MVA transformer at Higby Mill between breakers 66-708 and 66-608 with a 150 MVA transformer.	May-10
59 Construct a 69 kV circuit from Middletown to Collins using the open circuit on the Middletown to Ford double-circuit towers.	May-10
60 Replace the 1033 kcm ACSR conductor in the Northside-Jeffersonville Jct. section of the Northside-Beargrass 138 kV line (circuit 3882) with bundled 954 kcm ACSR conductor.	May-10
61 Install a second 345/138 kV, 450 MVA transformer at Hardin County.	May-10
62 Install a fourth 345/138 kV, 450 MVA transformer at Middletown.	May-10
63 Construct 3.5 miles of 69 kV line from Pineville #722 to the Pineville to Calloway section of the Pineville to Rocky Branch 69 kV line using 556 kcm ACSR conductor. Operate Pineville #722 from the Pineville to Calloway 69 kV line section.	Nov-10
64 Reconductor the 266 kcm ACSR conductor in the Lake Reba-Waco section of the Lake Reba-West Irvine 69 kV line with 397 kcm ACSR conductor.	Nov-10
65 Install a 69 kV, 33.0 MVAR capacitor at Clark County.	May-11
66 Install a 69 kV, 42.0 MVAR capacitor at Danville North.	May-11
67 Install a 138/69 kV, 120 MVA transformer at Hardin County.	May-11
68 Install a 69 kV, 33.0 MVAR capacitor at Shun Pike.	May-11
69 Replace the 138-69 kV, 112 MVA transformer at Danville North with a 150 MVA transformer.	May-11
70 Replace the 266 kcm ACSR conductor in the Parkers Mill Tap-Parkers Mill section of the line tapping the Pisgah-Lexington Plant 69 kV line with 397 kcm ACSR conductor.	May-11
71 Reconductor the 266 kcm ACSR conductor in the Etown-Etown #5 69 kV line section using 397 kcm ACSR conductor.	May-11
72 Install a 69 kV, 18.0 MVAR capacitor at Cynthiana South.	May-11
73 Replace the 161/69 kV, 56 MVA transformer at Taylor County with a 90 MVA unit.	May-11
74 Install three 138 kV breakers at Knob Creek.	May-11
75 Construct 2 miles of 138 kV line from the Mill Creek-Kosmos Cement 138 kV line to Knob Creek. Rebuild 0.5 miles of 195.7 ACSR in the Mill Creek-Kosmos Cement 138 kV line using 795 ACSR conductor.	May-11
76 Install a 138/69 kV, 150 MVA transformer at Danville North.	May-12
77 Install a 138 kV line exit at Middletown for the Middletown-Bluegrass Parkway 138 kV circuit.	May-12

DESCRIPTION	Date
78 Construct 4.0 miles of 138 kV line from Middletown to Bluegrass Parkway using 1272 kcm ACSR conductor.	May-12
79 Install 138 kV breakers on the Lebanon 138-69 kV transformers.	May-12
80 Replace the 1033 kcm ACSR conductor in the Northside-Beargrass 138 kV line (circuit 3883) with bundled 954 kcm ACSR conductor.	May-12
81 Install 138 kV breakers at Pisgah and install a second Pisgah 138/69 kV, 112 MVA transformer. (Use transformer removed from Higby Mill).	May-12
82 Replace the 138/69 kV, 93 MVA transformer at Clark County with a 150 MVA transformer.	May-12
83 Energize the second Brown North-Pineville 345 kV circuit.	Nov-12
84 Replace the 161-69 kV, 56 MVA transformer at Beattyville with a 90 MVA unit.	Nov-12
85 Replace the 266 kcm ACSR conductor in the Rosine Jct.-Caneyville Jct. section of the Ohio County-Leitchfield 69 kV line with 556 kcm ACSR conductor.	May-13
86 Reconductor the Avon EKPC-Loudon Avenue 138 kV line using bundled 556 kcm ACSR conductor.	May-13
87 Install a second 345/138 kV, 450 MVA transformer at Brown North	May-13
88 Reconductor the 266 kcm ACSR conductor in the Green County EKPC-Greensburg KU section of the Green County EKPC-Taylor County 69 kV line using 397 kcm ACSR conductor.	May-13
89 Reconductor the 266 kcm ACSR conductor in the Adams to Toyota South 138 kV line with 556 kcm ACSR conductor.	May-13
90 Construct 19 miles of 138 kV line from Brown CT to Danville North using 954 kcm ACSR conductor.	May-13
91 Replace the 266 kcm ACSR conductor in the Spencer Road-AO Smith Tap-Camargo sections of the Spencer Road-Clark County 69 kV line with 397 kcm ACSR conductor.	May-14
92 Replace the 138/69 kV, 93 MVA transformer at Bardstown with a 120 MVA transformer.	May-14
93 Replace the Lansdowne 138-69 kV, 112 MVA transformer with a 150 MVA unit.	May-14
94 Install a third 138/69 kV, 112 MVA transformer at Cane Run Switching Station. (Use spare transformer stored at the EOC).	May-14
95 Replace the 266 kcm ACSR conductor in the Adams-Delaplain Tap section of the Adams-Millersburg 69 kV line with 397 kcm ACSR conductor.	May-14
96 Replace the West Frankfort 138/69 kV, 93 MVA transformer with a 120 MVA transformer.	May-14
97 Replace the Rogersville 138/69 kV, 93 MVA transformer with a 120 MVA transformer.	May-14
98 Replace the bundled 1/0 Cu conductor in the Lexington Plant-Buchanan section of the Lexington Plant-Pisgah 69 kV line with 556 kcm ACSR conductor.	May-14