

**KENTUCKY POWER COMPANY**

**INTEGRATED RESOURCE PLANNING REPORT  
TO THE  
KENTUCKY PUBLIC SERVICE COMMISSION**

**CHAPTER 2, CONFIDENTIAL APPENDIX  
(REDACTED)**

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CONFIDENTIAL  
SHORT-TERM LARGE INDUSTRIAL

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	ltime	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
1995				12/1/1995	0	0	0	0	0	0	0	0
1996				1/1/1996	0	0	0	0	0	0	0	0
1996				1/1/1996	0	0	0	0	0	0	0	0
1996				2/1/1996	0	0	0	0	0	0	0	0
1996				3/1/1996	0	0	0	0	0	0	0	0
1996				4/1/1996	0	0	0	0	0	0	0	0
1996				10/1/1996	0	0	0	0	0	0	0	0
1996				11/1/1996	0	0	0	0	0	0	0	0
1997				7/1/1997	0	0	0	0	0	0	0	0
1997				7/1/1997	0	0	0	0	0	0	0	0
1997				8/1/1997	0	0	0	0	0	0	0	0
1997				9/1/1997	0	0	0	0	0	0	0	0
1997				9/1/1997	0	0	0	0	0	0	0	0
1997				11/1/1997	0	0	0	0	0	0	0	0
1997				12/1/1997	0	0	0	0	0	0	0	0
1998				1/1/1998	0	0	0	0	0	0	0	0
1998				2/1/1998	0	0	0	0	0	0	0	0
1998				3/1/1998	0	0	0	0	0	0	0	0
1998				4/1/1998	0	0	0	0	0	0	0	0
1998				5/1/1998	0	0	0	0	0	0	0	0
1998				5/1/1998	0	0	0	0	0	0	0	0
1998				6/1/1998	0	0	0	0	0	0	0	0
1998				10/1/1998	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				1/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				2/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				3/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				4/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				5/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				6/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				7/1/1999	0	0	0	0	0	0	0	0

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
1999				7/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				8/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				9/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				10/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				11/1/1999	0	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
1999				12/1/1999	1	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				1/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				2/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				3/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				4/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				5/1/2000	0	0	0	0	0	0	0	0
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				6/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				7/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				8/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				9/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				10/1/2000	0	0	0	0	0	0	0	0

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2000				10/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				11/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2000				12/1/2000	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				1/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				2/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				3/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				4/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				5/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				6/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				7/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				8/1/2001	0	0	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				9/1/2001	0	-1	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				10/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				11/1/2001	0	0	0	0	0	0	0	0
2001				12/1/2001	0	0	0	0	0	0	0	0



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				4/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				5/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				6/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				7/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				8/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				9/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				10/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				11/1/2002	0	0	0	0	0	0	0	0
2002				12/1/2002	0	0	0	0	0	0	0	0
2002				12/1/2002	0	0	0	0	0	0	0	0









KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				10/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				11/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2003				12/1/2003	0	0	0	0	0	0	0	0
2004				1/1/2004	0	0	0	0	0	0	0	-1
2004				1/1/2004	0	0	0	0	0	0	0	-1
2004				1/1/2004	0	0	0	0	0	0	0	-1
2004				1/1/2004	0	0	0	0	0	0	0	-1
2004				1/1/2004	0	0	0	0	0	0	0	-1



KPC\_Li\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				4/1/2004	0	0	0	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				5/1/2004	0	0	-1	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				6/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0
2004				7/1/2004	0	0	0	0	0	0	1	0





KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cal1	cat2	cat3	
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				2/1/2005	0	0	0	0	0	0	1	-1	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				3/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				4/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0
2005				5/1/2005	0	0	0	0	0	0	1	0	0









KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				3/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				4/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				5/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0
2006				6/1/2006	0	0	0	0	0	0	1	0







KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				4/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				5/1/2007	0	0	0	0	0	0	1	0
2007				8/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				6/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0
2007				7/1/2007	0	0	0	0	0	0	1	0



























KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3	
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3	
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0
2010						0	0	0	0	0	1	0	0

CONFIDENTIAL

KPC\_LL\_Model\_input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3	
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2010					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0
2011					0	0	0	0	0	0	1	0	0

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3	
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0
2011						0	0	0	0	0	1	0	0

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3	
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				6/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				7/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				8/1/2011	0	0	0	0	0	0	1	0	0
2011				9/1/2011	0	0	0	0	0	0	1	0	0
2011				9/1/2011	0	0	0	0	0	0	1	0	0

CONFIDENTIAL



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	KWH	time	ak1	ak2	ak3	ak4	ak5	cat1	cat2	cat3
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0
2011				12/1/2011	0	0	0	0	0	0	1	0



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
1995				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1996				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1997				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1998				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	1

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	slid1	slid2	kes1	air2	wey1	hunt1	
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
1999				0	0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1

KPC\_L1\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2000				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	1	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2001				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1

CONFIDENTIAL

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	-1	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1

CONFIDENTIAL

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sld2	kes1	air2	wey1	hunt1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	ca15	air1	sid1	sid2	kes1	air2	wey1	hunt1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2002				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1

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KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	-1	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	way1	hunt1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2003				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	-1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1



KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	0	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1
2004				0	0	0	0	0	1	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	-1	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1
2004				0	0	0	0	0	1	0	0	1



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sld1	sid2	kes1	air2	wey1	hunt1	
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1

KPC\_LL\_Model\_Input

YEAR	MONTH	ACGTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				-1	0	0	0	0	1	-1	-1	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1

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KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2005				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	slid1	slid2	kes1	air2	wey1	hunt1	
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2006				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sld2	kes1	air2	wey1	hunt1	
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1

CONFIDENTIAL

KPC\_LL\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1
2007				0	0	0	0	0	1	0	0	1

ESC PD277141



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1





KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2008				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1

KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	ar1	sid1	sid2	kes1	alr2	wey1	hunt1	
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1





KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2009				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1

CONFIDENTIAL



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1

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KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1
2010				0	0	0	0	0	1	0	0	1

castbrat





KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1

CONFIDENTIAL



KPC\_LI\_Model\_Input

YEAR	MONTH	ACCTNO	cat4	cat5	air1	sid1	sid2	kes1	air2	wey1	hunt1	
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1
2011				0	0	0	0	0	1	0	0	1

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
NU	-218330.8	177061.5	-1.23	0.2205	0	KWH	0
AR1,1	0.24425	0.13130	1.86	0.0656	3	KWH	0
AR2,1	-0.25445	0.12880	-1.98	0.0508	12	KWH	0
NU1	4540391.2	1393008.8	3.26	0.0015	0	ak1	0
NU2	4541651.5	1350699.1	3.35	0.0011	0	ak2	0
NU3	2348432.4	1330420.1	1.77	0.0804	0	ak3	0
NU4	-4680935.3	1932007.8	-3.51	0.0007	0	ak4	0
NU5	4551021.6	1374418.0	3.30	0.0010	0	ak5	0

Constant Estimate -206988

Variance Estimate 3.039E12

Std Error Estimate 1743177

AIC 3576.279

SBC 3598.098

Number of Residuals 115

\* AIC and SBC do not include log determinant

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The ARIMA Procedure

Correlations of Parameter Estimates

Variable		KWH	KWH	KWH	ak1	ak2	ak3	ak4	ak5
Parameter		MU	AR1,1	AR2,1	NUM1	NUM2	NUM3	NUM4	NUM5
KWH	MU	1.000	-0.138	-0.059	-0.034	-0.001	-0.003	0.006	0.006
KWH	AR1,1	-0.198	1.000	-0.038	0.284	-0.091	0.019	-0.035	-0.048
KWH	AR2,1	-0.059	-0.038	1.000	0.070	0.161	0.009	-0.014	0.027
ak1	NUM1	-0.034	0.284	0.070	1.000	0.030	0.006	-0.011	-0.012
ak2	NUM2	-0.001	-0.061	0.151	0.030	1.000	0.000	-0.000	0.007
ak3	NUM3	-0.003	0.019	0.009	0.006	0.000	1.000	-0.001	-0.001
ak4	NUM4	0.006	-0.035	-0.014	-0.011	-0.000	-0.001	1.000	0.039
ak5	NUM5	0.006	-0.048	0.027	-0.012	0.007	-0.001	0.039	1.000

Autocorrelation Check of Residuals

Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	0.59	4	0.9637	0.014	0.011	0.009	0.002	-0.056	-0.037
12	2.22	10	0.0044	-0.057	0.052	0.001	-0.015	0.071	-0.029
18	7.27	16	0.0677	-0.004	0.069	0.075	-0.125	0.009	0.107
24	10.97	22	0.0752	0.048	-0.057	-0.000	-0.024	0.104	-0.094

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	3.03857E12	1.00000																						0
1	4.17869E10	0.01376																						0.094072
2	3.24567E10	0.01068																						0.094090
3	2.77546E10	0.00919																						0.094101
4	0.12128E917	0.00201																						0.094108
5	-1.7032E11	-0.05505																						0.094109



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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
6	-1.1378E11	-0.3744												*										0.094404
7	-2.0277E11	-0.6673												*										0.094535
8	1.58124E11	0.05204												*										0.094951
9	1988162012	0.00055												*										0.095203
10	-4.5982E10	-0.01510												*										0.095203
11	2.15553E11	0.07094												*										0.095224
12	-7.1994E10	-0.2348												*										0.095691
13	-1.2235E10	-0.0403												*										0.095742
14	2.08958E11	0.05877												*										0.095743
15	2.2868E11	0.07526												**										0.096172
16	-3.7851E11	-0.12489												**										0.096599
17	2.78202E10	0.09816												**										0.098116
18	3.26535E11	0.10746												**										0.098124
19	1.46915E11	0.04782												*										0.099160
20	-1.7387E11	-0.05722												*										0.099264
21	-176411324	-0.0006												*										0.099655
22	-7.3753E10	-0.2427												*										0.099655
23	3.15871E11	0.10395												**										0.099707
24	-2.8441E11	-0.9360												**										0.100652

\* marks two standard errors

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	-0 03941												*											
2	-0 05905												*											
3	-0 00851																							
4	0 03920																							
5	0 04766																							
6	0 01988																							
7	0 04559																							
8	-0 04854																							
9	-0 00080																							
10	0 02550																							
11	-0 07060																							
12	0 03595																							
13	-0 01415																							
14	-0 05877																							
15	-0 05746																							
16	0 10948																							
17	0 00290																							
18	-0 11951																							
19	-0 00897																							
20	0 04958																							
21	0 00154																							
22	0 03068																							
23	-0 09549																							
24	0 06475																							

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Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	0 01376																					
2	0 01049																					
3	0 00885																					
4	0 00166																					
5	-0 05531											*										
6	-0 03617											*										
7	-0 06495											*										
8	0 05576											*										
9	0 00167																					
10	-0 01788																					
11	0 06724											*										
12	-0 03450											*										
13	-0 00303																					
14	0 05912											*										
15	0 08004											**										
16	-0 12800											***										
17	0 01019																					
18	0 12336											**										
19	0 04146											*										
20	-0 05241											*										
21	0 00394																					
22	-0 03365											*										
23	0 10051											**										
24	-0 06991											*										

Model for variable KWH

Estimated Intercept -218391  
 Period(s) of Differencing 12

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Autoregressive Factors

Factor 1:  $1 - 0.24425 B^{12}$   
Factor 2:  $1 + 0.25445 B^{12}$

Input Number 1

Input Variable	ak1
Period(s) of Differencing	12
Overall Regression Factor	4540391

Input Number 2

Input Variable	ak2
Period(s) of Differencing	12
Overall Regression Factor	4541651

Input Number 3

Input Variable	ak3
Period(s) of Differencing	12
Overall Regression Factor	2948432

Input Number 4

Input Variable	ak4
Period(s) of Differencing	12
Overall Regression Factor	-4580935

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Input Number 5

Input Variable                    ak5  
Period(s) of Differencing        12  
Overall Regression Factor        4661022

WARNING: There are gaps in the interval for observation 3 according to ID variable TIME

WARNING: There are gaps in the interval for observation 4 according to ID variable TIME

WARNING: There are gaps in the interval for observation 6 according to ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
126	██████████	1743177	██████████
127	██████████	1743177	██████████
128	██████████	1743177	██████████
129	██████████	1794424	██████████
130	██████████	1794424	██████████
131	██████████	1794424	██████████
132	██████████	1797435	██████████
133	██████████	1797435	██████████
134	██████████	1797435	██████████
135	██████████	1797814	██████████
136	██████████	1797814	██████████
137	██████████	1797814	██████████
138	██████████	2221845	██████████
139	██████████	2221845	██████████
140	██████████	2221845	██████████
141	██████████	2244622	██████████
142	██████████	2244622	██████████
143	██████████	2244622	██████████
144	██████████	2245973	██████████

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Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
145		2245973	
146		2245973	
147		2246054	
148		2246054	
149		2246054	
150		2553753	
151		2553753	
152		2553753	
153		2578215	
154		2578215	
155		2578215	
156		2579648	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag
MU	-4245.8	29491.1	-0.14	0.8858	0
AR1,1	-0.50942	0.08457	-5.95	< .0001	1
AR2,1	-0.58024	0.08485	-6.84	< .0001	12

Constant Estimate -10080.8

Variance Estimate 4.974E11

Std Error Estimate 705284.8

AIC 3247.852

SBC 3265.026

Number of Residuals 109

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Parameter	MU	AR1,1	AR2,1
MU	1.000	0.008	0.008
AR1,1	0.008	1.000	0.029
AR2,1	0.008	0.029	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	P > ChiSq	-----Autocorrelations-----					
6	6.84	4	0.1445	-0.117	-0.158	0.114	-0.087	-0.033	0.001
12	13.14	10	0.2159	-0.087	-0.075	0.004	0.042	0.063	-0.180
18	23.82	16	0.0982	0.066	0.154	-0.095	0.079	0.145	-0.127
24	37.57	22	0.0186	-0.028	0.113	-0.071	-0.049	0.104	-0.256

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1																			Std Error
0	4.97487E11	1.00000	*****																			0
1	-5.8096E10	-0.11679	**																			0.095783
2	-7.8822E10	-0.15846	***																			0.097080
3	5.65885E10	0.11376	** **																			0.098425
4	-4.3222E10	-0.08589	**																			0.102652
5	-1.6439E10	-0.03305	*																			0.101296
6	7.171894E7	0.00144																				0.101397
7	-4.3896E10	-0.07724	**																			0.101937
8	-3.7189E10	-0.07476	*																			0.102035
9	1.840281309	0.00370																				0.102685
10	2.08368E10	0.04189																				0.102586
11	3.1124E10	0.06257																				0.102743
12	-8.8980E10	-0.17970	****																			0.103092
13	3.27111E10	0.06576																				0.105926
14	7.64869E10	0.15377	***																			0.108300
15	-4.7854E10	-0.09620	**																			0.108322
16	3.94809E10	0.07937	**																			0.109103
17	7.20017E10	0.14475	***																			0.109551
18	-5.3513E10	-0.12728	**																			0.111371
19	-1.1229E10	-0.02257																				0.112897
20	5.82427E10	0.11307	**																			0.112738



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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
21	-3.5235E10	- 07083												*										0 113774	
22	-2.4495E10	- 04911												*											0 114176
23	6.19864E10	0 10447												*	*										0 114372
24	-1.3176E11	- 26488												*	*	*	*								0 115244

\* \* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1			
1	0 07025																							*	
2	0 15453																								***
3	0 02176																								*
4	0 02693																								*
5	0 02601																								*
6	0 14079																								***
7	0 04674																								*
8	0 04155																								*
9	-0 02605																								*
10	-0 02752																								*
11	-0 09425																								**
12	0 16324																								****
13	-0 08255																								**
14	-0 09085																								**
15	-0 03151																								*
16	-0 04309																								*
17	-0 07298																								*
18	0 06285																								*
19	0 00237																								*
20	-0 00437																								*

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Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0 09467																						
22	0 06292																						
23	-0 04003																						
24	0 22747																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 11679																						
2	-0 17448																						
3	0 07492																						
4	-0 09468																						
5	-0 02527																						
6	-0 04574																						
7	-0 09145																						
8	-0 11444																						
9	-0 05629																						
10	0 01161																						
11	0 06145																						
12	-0 18998																						
13	0 02106																						
14	0 09186																						
15	-0 03324																						
16	0 06494																						
17	0 14531																						
18	-0 03996																						
19	-0 02957																						
20	0 07310																						
21	0 01192																						
22	-0 00850																						

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Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.11847																						
24	-0.28159																						

Model for variable KWH

Estimated Mean                    -4246.79  
 Period(s) of Differencing        1,12

Autoregressive Factors

Factor 1: 1 + 0.50942 B\*\*(1)  
 Factor 2: 1 + 0.68024 B\*\*(12)

- WARNING: There are gaps in the interval for observation 2 according to ID variable TIME
- WARNING: There are gaps in the interval for observation 3 according to ID variable TIME
- WARNING: Observation 129 is out of order according to the ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
123	██████████	705285	██████████
124	██████████	787467	██████████
125	██████████	848631	██████████
126	██████████	1045281	██████████
127	██████████	1152019	██████████
128	██████████	1241014	██████████

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[REDACTED]

The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
129	[REDACTED]	1328085	[REDACTED]
130	[REDACTED]	1467862	[REDACTED]
131	[REDACTED]	1484272	[REDACTED]
132	[REDACTED]	1556495	[REDACTED]
133	[REDACTED]	1625726	[REDACTED]
134	[REDACTED]	1692023	[REDACTED]
135	[REDACTED]	1857022	[REDACTED]
136	[REDACTED]	1926557	[REDACTED]
137	[REDACTED]	2075053	[REDACTED]
138	[REDACTED]	2175490	[REDACTED]
139	[REDACTED]	2277035	[REDACTED]
140	[REDACTED]	2571548	[REDACTED]
141	[REDACTED]	2453738	[REDACTED]
142	[REDACTED]	2561967	[REDACTED]
143	[REDACTED]	2637554	[REDACTED]
144	[REDACTED]	2720299	[REDACTED]
145	[REDACTED]	2800674	[REDACTED]
146	[REDACTED]	2878770	[REDACTED]
147	[REDACTED]	3118700	[REDACTED]
148	[REDACTED]	3254684	[REDACTED]
149	[REDACTED]	3424867	[REDACTED]
150	[REDACTED]	3567842	[REDACTED]
151	[REDACTED]	3715722	[REDACTED]
152	[REDACTED]	3849962	[REDACTED]
153	[REDACTED]	3983766	[REDACTED]

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	231911.4	527870.8	0.37	0.7126	0	KWH	0
MA1,1	0.08555	0.07895	8.65	< .0001	12	KWH	0
AR1,1	0.37593	0.09295	4.02	0.0001	1	KWH	0
NUM1	15490709	6494377.4	4.43	< .0001	0	cat1	0
NUM2	6344594.6	6229211.8	1.02	0.3108	0	cat3	0
NUM3	19890384	5088463.7	3.90	0.0014	0	cat5	0

Constant Estimate 145192.8  
 Variance Estimate 4.76E19  
 Std Error Estimate 6899246  
 AIC 3713.658  
 SBC 3729.746  
 Number of Residuals 108  
 \* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH AR1,1	cat1 NUM1	cat3 NUM2	cat5 NUM3
KWH MU	1.000	0.077	-0.074	-0.742	0.222	-0.066
KWH MA1,1	0.077	1.000	-0.083	-0.056	-0.017	-0.039
KWH AR1,1	-0.074	-0.083	1.000	0.056	-0.052	-0.019
cat1 NUM1	-0.742	-0.056	0.056	1.000	-0.290	0.094
cat3 NUM2	0.222	-0.017	-0.052	-0.290	1.000	-0.026
cat5 NUM3	-0.066	-0.039	-0.019	0.094	-0.026	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
8	2.60	4	0.0261	0.035	-0.070	-0.017	-0.113	-0.028	-0.054
12	3.55	10	0.9653	-0.005	-0.008	0.023	0.055	-0.034	-0.054
18	7.78	16	0.9553	0.042	0.020	0.055	0.050	0.075	-0.136
24	12.07	22	0.9559	0.063	0.062	-0.136	-0.032	-0.065	-0.016

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	4.75995E13	1.00000																						0
1	1.68204E12	0.03534												*										0.096225
2	-3.3176E12	-0.06970																						0.096346
3	-8.223E11	-0.1728																						0.096811
4	-5.3772E12	-0.11297												**										0.096839
5	-1.0456E12	-0.02827																						0.098052
6	-2.5627E12	-0.05984																						0.098127
7	-2.6566E11	-0.00550																						0.098401
8	-3.7759E11	-0.0760																						0.098403
9	1.11728E12	0.02847																						0.098429
10	2.61823E12	0.05501																						0.098451
11	-1.6087E12	-0.03980																						0.098745
12	-2.5944E12	-0.05429																						0.098852
13	1.9771E12	0.04154																						0.099128
14	9.64772E11	0.02006																						0.099289
15	2.01989E12	0.05504																						0.099327
16	2.36481E12	0.04967																						0.099609
17	3.57494E12	0.07510																						0.099838
18	-6.5683E12	-0.13789																						0.100559
19	3.0062E12	0.05316																						0.102701
20	2.96961E12	0.06226																						0.102462

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The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	-5 4027E12	- 13451												***										0 102812
22	-1 5089E12	- 03166												*										0 104429
23	-3 0805E12	- 06472												-										0 104518
24	-8 5354E11	- 01793																						0 104888

\* \* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 05122													*									
2	0 09294													**									
3	0 02516													*									
4	0 11257													**									
5	0 00091																						
6	0 07316													*									
7	-0 00485																						
8	-0 00332																						
9	-0 03118														*								
10	-0 02663														*								
11	-0 00536																						
12	0 05179														*								
13	-0 07985													**									
14	0 00077																						
15	-0 06588													*									
16	-0 01643																						
17	-0 07537													**									
18	0 14003													***									
19	-0 06361													*									
20	-0 04127													*									

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	0 09805												**										
22	0 02861												*										
23	0 05572												*										
24	0 02430												*										

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0 03534												*										
2	-0 07103												*										
3	-0 01220												*										
4	-0 11757												**										
5	-0 02245												*										
6	-0 07081												*										
7	-0 00877												*										
8	-0 03243												*										
9	0 01656												*										
10	0 09590												*										
11	-0 09660												*										
12	-0 05407												*										
13	0 04405												*										
14	0 01704												*										
15	0 05705												*										
16	0 04331												*										
17	0 09071												**										
18	-0 13859												**										
19	0 10982												**										
20	0 05053												*										
21	-0 09361												**										
22	-0 03278												*										



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The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
23	-0.06350																					
24	-0.02669																					

Model for variable KWH

Estimated Intercept 231011.4  
Period(s) of Differencing 12

Autoregressive Factors

Factor 1:  $1 - 0.37393 B^{12}$

Moving Average Factors

Factor 1:  $1 - 0.68555 B^{12}$

Input Number 1

Input Variable cat1  
Period(s) of Differencing 12  
Overall Regression Factor 15490709

Input Number 2

Input Variable cats  
Period(s) of Differencing 12  
Overall Regression Factor 6344585

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The ARIMA Procedure

Input Number 3

Input Variable                    cat5  
Period(s) of Differencing        12  
Overall Regression Factor        19690384

WARNING: There are gaps in the interval for observation 4 according to ID variable TIME

WARNING: There are gaps in the interval for observation 11 according to ID variable TIME

WARNING: There are gaps in the interval for observation 26 according to ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
121		6899246	
122		7365809	
123		7428711	
124		7437484	
125		7438687	
126		7438858	
127		7438862	
128		7438885	
129		7438885	
130		7438885	
131		7438885	
132		7498885	
133		7748805	
134		7791156	
135		7797060	
136		7797885	
137		7798000	
138		7798016	
139		7798019	

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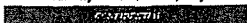
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Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
140		7798019	
141		7798019	
142		7798019	
143		7798019	
144		7798019	
145		8094180	
146	CONFIDENTIAL	8134742	CONFIDENTIAL
147		8140395	
148		8141185	
149		8141297	
150		8141312	
151		8141315	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	-5435.2	52298.9	-0.10	0.9183	0	KWH	0
AR1,1	-0.81518	0.02684	-3.02	< .0001	12	KWH	0
NUM1	-3711790.4	539124.0	-6.95	< .0001	0	air1	0

Constant Estimate      -9887.65  
 Variance Estimate      9.057211  
 Std Error Estimate      952215.9  
 AIC                      3252.851  
 SBC                      3250.57  
 Number of Residuals      107

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter	KWH IRU	KWH AR1,1	air1 NUM1
KWH MU	1.000	-0.005	-0.001
KWH AR1,1	-0.005	1.000	0.246
air1 NUM1	-0.001	0.246	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	12.58	5	0.0276	-0.279	-0.001	-0.168	-0.010	-0.097	0.033
12	16.84	11	0.1127	0.069	-0.019	-0.018	-0.015	0.077	-0.153
18	20.63	17	0.2435	0.046	0.045	0.048	0.094	-0.074	-0.094
24	25.10	23	0.2962	0.014	0.065	-0.032	-0.005	0.064	-0.179

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	9.06716E11	1.00000																						0	
1	-2.4756E11	-0.27305																							0.096574
2	-6.63710E11	-0.0061																							0.103630
3	-1.5214E11	-0.16779																							0.103630
4	-8.88228E9	-0.0080																							0.105138
5	-8.8287E10	-0.09737																							0.106147
6	3.80784E10	0.03917																							0.106978
7	6.21417E10	0.06853																							0.107075
8	-1.7297E10	-0.1908																							0.107484
9	-1.6077E10	-0.1778																							0.107816
10	-1.4044E10	-0.1549																							0.107843
11	6.85729E10	0.07673																							0.107564
12	-1.3901E11	-0.15331																							0.108074
13	4.1375E10	0.04523																							0.110098
14	4.04547E10	0.04459																							0.110264
15	4.31704E10	0.04781																							0.110433
16	8.60862E10	0.09878																							0.110524
17	-6.6954E10	-0.07364																							0.111356
18	-8.5105E10	-0.09396																							0.111822
19	1.29937E10	0.01433																							0.112557
20	4.9779E10	0.05490																							0.112574

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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
21	-2.8633E10	- 03168																						0 112824	
22	-4.7837E9	- 00526																							0 112907
23	4.85853E10	0 05358																							0 112909
24	-1 6235E11	- 17906																							0 113146

\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	0 54039																							
2	0 42784																							
3	0 46053																							
4	0 36318																							
5	0 33223																							
6	0 26083																							
7	0 16898																							
8	0 14699																							
9	0 16556																							
10	0 07518																							
11	0 03467																							
12	0 13152																							
13	0 02153																							
14	-0 00517																							
15	0 00133																							
16	-0 01916																							
17	0 05064																							
18	0 02541																							
19	0 04189																							
20	0 03648																							

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	0 09652																						**
22	0 06008																						*
23	0 04763																						*
24	0 10614																						**

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 27303																						****
2	-0 08121																						**
3	-0 20682																						****
4	-0 13488																						****
5	-0 19070																						****
6	-0 12442																						**
7	-0 01999																						**
8	-0 07761																						**
9	-0 08648																						**
10	-0 07397																						*
11	0 03269																						*
12	-0 16172																						****
13	-0 09128																						**
14	-0 00209																						
15	0 00652																						
16	0 13852																						****
17	0 00233																						
18	-0 09315																						**
19	0 03379																						*
20	0 08363																						**
21	-0 00988																						*
22	-0 09840																						*

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The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.06765																						
24	-0.16740																						

Model for variable KWH

Estimated Intercept            -6436.19  
 Period(s) of Differencing    1,12

Autoregressive Factors

Factor 1: 1 + 0.81518 B\*\*(12)

Input Number 1

Input Variable                    air1  
 Period(s) of Differencing    1,12  
 Overall Regression Factor    -0.711790

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
121		952216	
122		1946887	
123		1649286	
124		1904432	
125		2129218	
126		2332443	



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Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
127		2519326	
128		2593273	
129		2659648	
130		3011171	
131		3159143	
132		3298573	
133		3466178	
134		3664190	
135		3833946	
136		3998488	
137		4152891	
138		4305220	
139		4448657	
140		4589488	
141		4725125	
142		4858921	
143		4988182	
144		5114178	
145		5266695	
146		5301589	
147		6116392	
148		6415767	
149		6701781	
150		6976079	
151		7239993	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag
MU	-174202.5	170405.3	-1.02	0.3092	0
AR1,1	0.44559	0.08870	5.02	< 0.001	1
AR2,1	-0.54705	0.08795	-6.22	< 0.001	12

Constant Estimate      -149415  
 Variance Estimate      2.237E12  
 Std Error Estimate      1495585  
 AIC                      3443.091  
 SBC                      3451.193  
 Number of Residuals    110  
 \* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Parameter	MU	AR1,1	AR2,1
MU	1.000	-0.019	0.019
AR1,1	-0.019	1.000	-0.214
AR2,1	0.019	-0.214	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----						
6	4.65	4	0.3967	-0.025	0.002	0.078	0.016	0.113	0.138	
12	13.90	10	0.1778	0.071	-0.043	0.062	0.118	0.186	-0.125	
18	15.67	16	0.4782	0.100	-0.025	-0.002	0.044	-0.027	-0.024	
24	24.35	22	0.3293	0.013	0.088	-0.072	0.096	-0.109	-0.166	

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	2.23678E12	1.00000																						0
1	-5.6833E10	-0.02516																						0.092346
2	4561639200	0.00204																						0.095407
3	1.73877E11	0.07774																						0.095407
4	3.38518E10	0.01513																						0.095931
5	2.5327E11	0.11323																						0.096095
6	3.08346E11	0.13785																						0.097209
7	1.59055E11	0.07111																						0.098971
8	-9.6433E10	-0.04267																						0.099434
9	1.37917E11	0.06168																						0.099600
10	2.63816E11	0.11766																						0.099947
11	4.15768E11	0.18588																						0.101202
12	-2.054E11	-0.12759																						0.102200
13	2.23919E11	0.09984																						0.105670
14	-6.532E10	-0.02473																						0.106524
15	-3.79604E9	-0.00170																						0.106576
16	9.80983E10	0.04399																						0.106576
17	-6.13226E10	-0.02742																						0.106741
18	-5.317E10	-0.02377																						0.106805
19	2.92814E10	0.01308																						0.108853
20	1.97612E11	0.08835																						0.108866

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The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
21	-1.6077E11	- .07188																						0 107530	
22	2.14623E11	0 09598																							0 107966
23	-2.4289E11	- .10859																							0 108738
24	-3.6957E11	- .16522																							0 109720

\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	0 02512																							
2	-0 00299																							
3	-0 04241																							
4	0 03979																							
5	-0 09834																							
6	-0 13042																							
7	-0 05210																							
8	0 07467																							
9	-0 00888																							
10	-0 13284																							
11	-0 15528																							
12	0 16588																							
13	-0 11171																							
14	-0 00924																							
15	0 01488																							
16	0 06888																							
17	0 02336																							
18	-0 05467																							
19	-0 05021																							
20	-0 04298																							

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	0 03785																						
22	-0 07177																						
23	0 00855																						
24	0 17738																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 02518																						
2	0 00141																						
3	0 07767																						
4	0 01018																						
5	0 11451																						
6	0 14082																						
7	0 09205																						
8	-0 05369																						
9	0 03544																						
10	0 09743																						
11	0 18002																						
12	-0 16037																						
13	0 07084																						
14	-0 05367																						
15	-0 01174																						
16	-0 05819																						
17	-0 05400																						
18	-0 02785																						
19	0 02725																						
20	0 05112																						
21	-0 07908																						
22	0 09858																						

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The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	0	1	2	3	4	5	6	7	8	9	1
23	-0.07324												
24	-0.21448												

Model for variable KWH

Estimated Mean -174202  
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.44559 B\*\*(1)  
Factor 2: 1 + 0.54708 B\*\*(12)

WARNING: There are gaps in the interval for observation 3 according to ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
123		1495586	
124		1637344	
125		1664054	
126		1669305	
127		1670347	
128		1670554	
129		1670595	
130		1670603	
131		1670604	
132		1670605	

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[REDACTED]

The ARIMA Procedure

Forecasts for variable IOMH

Obs	Forecast	Std Error	95% Confidence Limits
133	[REDACTED]	1670605	[REDACTED]
134	[REDACTED]	1670605	[REDACTED]
135	[REDACTED]	1802753	[REDACTED]
136	[REDACTED]	1827866	[REDACTED]
137	[REDACTED]	1832798	[REDACTED]
138	[REDACTED]	1833778	[REDACTED]
139	[REDACTED]	1833973	[REDACTED]
140	1834011	1834011	1834011
141	[REDACTED]	1834019	[REDACTED]
142	[REDACTED]	1834021	[REDACTED]
143	[REDACTED]	1834021	[REDACTED]
144	[REDACTED]	1834021	[REDACTED]
145	[REDACTED]	1834021	[REDACTED]
146	[REDACTED]	1834021	[REDACTED]
147	[REDACTED]	2151594	[REDACTED]

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	-8048.4	8593.1	-0.72	0.4704	0	KWH	0
MA1,1	0.02803	0.07457	8.42	< .0001	1	KWH	0
MA2,1	0.57442	0.08143	7.05	< .0001	12	KWH	0
NUM1	2198118.4	449871.8	4.89	< .0001	0	sid1	0

Constant Estimate -8548.44

Variance Estimate 8.135E11

Std Error Estimate 559299.3

AIC 3345.159

SBC 3356.104

Number of Residuals 114

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH MA2,1	sid1 NUM1
KWH MU	1.000	-0.026	-0.049	0.001
KWH MA1,1	-0.026	1.000	-0.059	0.001
KWH MA2,1	-0.049	-0.059	1.000	-0.087
sid1 NUM1	0.001	0.001	-0.087	1.000



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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----						
6	2.48	4	0.6487	0.043	-0.054	0.028	-0.079	0.041	0.076	
12	15.16	10	0.1264	-0.177	0.100	-0.089	-0.030	0.225	0.024	
18	18.69	16	0.2906	-0.124	0.006	-0.095	0.031	0.009	-0.013	
24	22.78	22	0.4142	0.004	0.088	-0.089	-0.006	-0.111	-0.047	

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1 0 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1	Std Error
0	3.10532E11	1.00000		0
1	1.35275E10	0.04315		0.093659
2	-2.0148E10	-0.0426		0.093895
3	8707881783	0.02777		0.094216
4	-2.4882E10	-0.07039		0.094290
5	1.2839E10	0.04127		0.094874
6	2.39712E10	0.07846		0.095032
7	-5.5489E10	-0.17701		0.095570
8	3.12369E10	0.09963		0.098404
9	-2.7783E10	-0.08861		0.099286
10	-9.30578E9	-0.2969		0.099976
11	5.99801E10	0.22320		0.100053
12	7468604536	0.02382		0.104330
13	-3.8932E10	-0.12417		0.104377
14	1802401289	0.00575		0.105555
15	-3.0229E10	-0.09841		0.105566
16	8785845672	0.03115		0.106437
17	2683723914	0.00956		0.106517
18	-4.04942E9	-0.12280		0.106523
19	1328826144	0.00423		0.106536
20	2.77204E10	0.08841		0.106536



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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
21	0 05556													*								
22	0 03894													*								
23	0 10757													**								
24	-0 00191																					

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	0 04315													*								
2	-0 06625													*								
3	0 03380													*								
4	-0 08719													**								
5	0 05440													*								
6	0 05900													*								
7	-0 17568													****								
8	0 12570													*	***							
9	-0 13361													*	***							
10	0 02650													*								
11	0 18337													*	****							
12	0 01466													*								
13	-0 10265													*	**							
14	-0 02514													*								
15	-0 03261													*								
16	-0 01409													*								
17	-0 02377													*								
18	0 06468													*								
19	-0 03743													*								
20	0 11070													*	**							
21	-0 07518													*	**							
22	-0 07289													*								

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The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	0	1	2	3	4	5	6	7	8	9	1
23	-0.12900												
24	0.00225												

Model for variable KWH

Estimated Intercept -6948.44  
Period(s) of Differencing 1,12

Moving Average Factors

Factor 1: 1 - 0.62603 B\*\*(1)  
Factor 2: 1 - 0.67442 B\*\*(12)

Input Number 1

Input Variable a1d1  
Period(s) of Differencing 1,12  
Overall Regression Factor 2198118

WARNING: There are gaps in the interval for observation 3 according to ID variable TIME

WARNING: There are gaps in the interval for observation 6 according to ID variable TIME

WARNING: There are gaps in the interval for observation 8 according to ID variable TIME

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Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
128		559939	
129		597421	
130		632686	
131		668087	
132		697891	
133		728307	
134		767509	
135		785615	
136		812755	
137		839018	
138		864483	
139		889219	
140	995060	995060	507801742
141		1038414	
142		1080030	
143		1120100	
144		1158785	
146		1196222	
146		1232520	
147		1267780	
148		1302085	
149		1335510	
150		1368118	
151		1399957	
152		1498789	

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regression

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	-154344.8	104190.1	-1.48	0.1436	0	KWH	0
NUM1	2551500.0	575077.0	4.44	< .0001	0	way1	0

Constant Estimate -154344

Variance Estimate 6.614E11

Std Error Estimate 813281.8

AIC 1835.355

SBC 1839.576

Number of Residuals 57

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable		KWH	way1
Parameter		MU	NUM1
KWH	MU	1.000	0.000
way1	NUM1	0.000	1.000

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Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	68.11	6	< .0001	0.657	0.504	0.476	0.273	0.195	0.135
12	104.20	12	< .0001	-0.005	-0.105	-0.259	-0.251	-0.327	-0.471
18	127.45	18	< .0001	-0.306	-0.258	-0.283	-0.125	-0.095	-0.125
24	130.09	24	< .0001	0.014	0.068	0.113	0.033	0.026	0.020

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	6.61427E11	1.00000																						0	
1	4.04586E11	0.65704																							0.128037
2	3.33071E11	0.50366																							0.174779
3	3.14657E11	0.47572																							0.197134
4	1.80344E11	0.27266																							0.215132
5	1.29988E11	0.19549																							0.220724
6	8.96091E10	0.15548																							0.223574
7	-1.92112E9	-0.0290																							0.224916
8	-6.9849E10	-0.10560																							0.224916
9	-1.7138E11	-0.25911																							0.225727
10	-1.658E11	-0.25057																							0.230552
11	-2.1607E11	-0.32667																							0.234977
12	-3.1139E11	-0.47079																							0.242308
13	-2.0574E11	-0.30803																							0.256865
14	-1.7095E11	-0.25846																							0.262851
15	-1.8592E11	-0.28260																							0.266995
16	-8.2882E10	-0.12531																							0.271846
17	-6.2854E10	-0.09503																							0.272790
18	-8.2505E10	-0.12474																							0.273332
19	8.98850E013	0.01359																							0.274294
20	4.48804E10	0.05793																							0.274275

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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	7 47716E10	0 11305													**									0 274550
22	6 17818E10	0 02341													**									0 275312
23	1 70865E10	0 02580													*									0 275631
24	1 30521E10	0 01975																						0 275671

\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 39194																						
2	0 00833																						
3	-0 08070																						
4	0 05203																			*			
5	-0 00545																						
6	-0 07915																			**			
7	0 04317																			*			
8	-0 09617																			**			
9	0 18411																			***			
10	-0 19174																			***			
11	0 00728																						
12	0 27749																						
13	-0 12050																			**			
14	0 02178																						
15	0 01059																						
16	0 02941																						
17	-0 10733																			**			
18	0 12873																						
19	-0 05744																			*			
20	0 00593																						



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Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0.03284																						
22	-0.07714																						
23	0.05674																						
24	0.06183																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.65704																						
2	0.12646																						
3	0.18529																						
4	-0.22427																						
5	0.02889																						
6	-0.05980																						
7	-0.10290																						
8	-0.14305																						
9	-0.24571																						
10	0.12854																						
11	-0.18424																						
12	-0.20402																						
13	0.24211																						
14	0.05223																						
15	-0.00920																						
16	0.04902																						
17	-0.00770																						
18	-0.11806																						
19	0.11222																						
20	-0.04189																						
21	-0.02709																						
22	-0.06754																						

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Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	-0.22154												***										
24	-0.10655												**										

Model for variable KWH

Estimated Intercept -164344  
Period(s) of Differencing 12

Input Number 1

Input Variable way1  
Period(s) of Differencing 12  
Overall Regression Factor 2551500

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
74		813282	
75		813282	
76		813282	
77		813282	
78		813282	
79	CONFIDENTIAL	813282	CONFIDENTIAL
80		813282	
81		813282	
82		813282	
83		813282	
84		813282	

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Forecasts for variable KRM

Obs	Forecast	Std Error	95% Confidence Limits
86		813282	
86		1150154	
87		1150154	
88		1150154	
89		1150154	
90		1150154	
91		1150154	
92		1150154	
93		1150154	
94		1150154	
95		1150154	
96		1150154	
97		1150154	
98		1108645	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Log	Variable	Shift
MU	286171.7	192274.7	1.49	0.1409	0	KWH	0
AR1,1	0.50579	0.09822	5.76	< .0001	1	KWH	0
NUM1	1054543.6	458779.9	2.33	0.0225	0	sid2	0

Constant Estimate 124258.6  
 Variance Estimate 5.606E11  
 Std Error Estimate 742034.7  
 AIC 2303.098  
 SBC 2310.129  
 Number of Residuals 77

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter	MU	KWH AR1,1	KWH NUM1	sid2
KWH	MU	1.000	0.171	-0.003
KWH	AR1,1	0.171	1.000	-0.018
sid2	NUM1	-0.003	-0.018	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----																
6	7.84	5	0.1595	-0.035	-0.079	0.175	0.198	-0.196	-0.041											
12	18.96	11	0.0736	0.159	-0.085	0.025	0.142	0.174	-0.184											
18	20.98	17	0.2272	0.075	0.101	-0.008	0.015	0.097	0.035											
24	23.87	23	0.4111	0.007	0.120	0.003	-0.108	0.009	0.022											

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	- 1 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1																				Std Error
0	5.60518E11	1.00000	*****																				0
1	-1.9493E10	-0.03540																					0.113851
2	-4.5622E10	-0.07904	**																				0.114109
3	9.6394E10	0.17507	****																				0.114812
4	1.0529E11	0.19304	*****																				0.118228
5	-7.4898E10	-0.13503	***																				0.122253
6	-2.2765E10	-0.04134	*																				0.124203
7	8.76972E10	0.15927	***																				0.124392
8	-3.8567E10	-0.06641	*																				0.127003
9	1.40012E10	0.02543	*																				0.127463
10	7.8089E10	0.14182	***																				0.127519
11	9.5643E10	0.17370	***																				0.129551
12	-1.0118E11	-0.18376	*****																				0.132541
13	4.11587E10	0.07476	*																				0.135609
14	5.5457E10	0.10072	**																				0.138543
15	-4.17442E9	-0.00768																					0.137906
16	8.092218382	0.01470																					0.137811
17	5.35334E10	0.09722	**																				0.137331
18	1.01086E10	0.03467	*																				0.138222
19	4.051714994	0.00738																					0.136537
20	6.51164E10	0.12008	**																				0.138342

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The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	1675412430	0 00304																						0 139589
22	-5.021E10	- 10753										**												0 139690
23	4758205827	0 00864																						0 140781
24	1 20324E10	0 02185																						0 140767

\* \* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0 06076												*										
2	-0 00485																						
3	-0 21588												****										
4	-0 17584												****										
5	0 05940												*										
6	0 15228												***										
7	0 06084												*										
8	0 00579												*										
9	-0 10810												***										
10	-0 08782												**										
11	-0 17004												***										
12	0 18171												***										
13	-0 00240																						
14	0 00818																						
15	-0 05213												*										
16	-0 04898												*										
17	-0 03601												*										
18	-0 01800																						
19	-0 04362												*										
20	-0 03210												*										

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
21	0 00515																					
22	0 08854												**									
23	-0 00610																					
24	0 05364												*									

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	-0 03540												*									
2	-0 08039												**									
3	0 17051													**								
4	0 20508														****							
5	-0 10090												**									
6	-0 06157												*									
7	0 08131													**								
8	-0 06381												*									
9	0 10171													**								
10	0 11995													**								
11	0 17002														***							
12	-0 15509												***									
13	0 00717																					
14	-0 01534																					
15	0 04579														*							
16	0 11509														**							
17	0 05939													*								
18	-0 01583																					
19	0 02840														*							
20	0 02552														*							
21	-0 02242														*							
22	-0 10364												**									

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The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	0	1	2	3	4	5	6	7	8	9	10
23	0.01333												
24	-0.05582			*									

Model for variable KWH

Estimated Intercept 286171.7  
Period(s) of Differencing 12

Autoregressive Factors

Factor 1:  $1 - 0.56579 B^{12}$

Input Number 1

Input Variable sid2  
Period(s) of Differencing 12  
Overall Regression Factor 1054544

WARNING: Observation 95 is out of order according to the ID variable TIME



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The ARIMA Procedure

Forecasts for variable KWHL

Obs	Forecast	Std Error	95% Confidence Limits
90		742005	
91		852571	
92		885044	
93		895190	
94		898414	
95		899443	
96		899773	
97		899878	
98		899912	
99		899923	
100		899925	
101		899927	
102		1166906	
103		1240287	
104		1262877	
105		1270024	
106		1272303	
107		1273032	
108		1273255	
109		1273340	
110		1273368	
111		1273371	
112		1273374	
113		1273374	
114		1474205	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag
MU	45375.0	165688.7	0.30	0.7662	0
ARI,1	-0.04674	0.08530	-4.05	<.0001	1

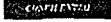
Constant Estimate 66447.15  
 Variance Estimate 6.023E12  
 Std Error Estimate 2468338  
 AIC 3971.93  
 SBC 3977.556  
 Number of Residuals 123

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Parameter	MU	ARI,1
MU	1.000	-0.002
ARI,1	-0.002	1.000

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The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----						
6	7.40	5	0.1925	-0.057	-0.201	-0.103	-0.009	-0.058	0.023	
12	8.50	11	0.6582	-0.005	0.007	-0.055	-0.001	0.015	0.059	
18	10.29	17	0.8909	-0.007	-0.040	0.029	-0.024	-0.084	0.048	
24	10.75	23	0.9858	0.022	0.012	0.007	-0.008	0.030	-0.032	

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1																			Std Error
0	6.09269E12	1.00000	*****																			0
1	-3.44030E11	-0.05652																				0.090167
2	-1.22348E12	-0.20079	****																			0.090454
3	-6.26810E11	-0.10285	**																			0.094008
4	-5.25710E10	-0.08669																				0.094919
5	-3.55510E11	-0.05835	*																			0.094925
6	1.37807E11	0.02262																				0.095216
7	-2.08210E10	-0.04889																				0.095260
8	4.06265E10	0.00667																				0.095262
9	-3.32090E11	-0.05451	*																			0.095286
10	-6.69687E9	-0.0110																				0.095519
11	7.80925E10	0.01281																				0.095519
12	4.21854E11	0.06924	*																			0.095533
13	-4.52680E10	-0.0743																				0.095940
14	-2.4420E11	-0.4008	*																			0.095945
15	1.77677E11	0.02916	*																			0.096081
16	-1.47890E11	-0.2419																				0.096153
17	-5.11650E11	-0.8308	**																			0.096202
18	2.90728E11	0.04772	*																			0.096796
19	1.96950E11	0.02238																				0.096986
20	7.16220E10	0.01176																				0.097029

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The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	4.21072E10	0.00691																						0.097041
22	-4.768E10	-.00783																						0.097045
23	1.09904E11	0.03281																						0.097050
24	-1.9576E11	-.03219												*										0.097140

\* \* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.23481													****									
2	0.32900													*****									
3	0.25376													****									
4	0.16941													***									
5	0.19542													****									
6	0.10773													**									
7	0.12523													***									
8	0.08993													**									
9	0.10352													**									
10	0.05118													*									
11	0.05272													*									
12	0.00734																						
13	0.03145													*									
14	0.08037													*									
15	0.01258																						
16	0.03660													*									
17	0.07115													*									
18	-0.02396																						
19	0.01299																						
20	-0.01077																						

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0 01543																						
22	0 01347																						
23	-0 03024																						
24	0 02513																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0 05552																						
2	-0 20464																						
3	-0 13411																						
4	-0 07352																						
5	-0 12306																						
6	-0 03046																						
7	-0 06017																						
8	-0 02745																						
9	-0 08451																						
10	-0 03866																						
11	-0 02988																						
12	0 03912																						
13	-0 00909																						
14	-0 03244																						
15	0 03464																						
16	-0 03543																						
17	-0 08386																						
18	0 01734																						
19	-0 02052																						
20	0 00684																						
21	0 01123																						
22	-0 01080																						

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Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.04421												*										
24	-0.03344												*										

Model for variable KWH

Estimated Mean 40375.78  
 Period(s) of Differencing 1

Autoregressive Factors

Factor 1: 1 + 0.34574 B\*\*(1)

WARNING: There are gaps in the interval for observation 5 according to ID variable TIME

WARNING: Observation 131 is out of order according to the ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
125		2488338	
126		2949691	
127		3514076	
128		3951898	
129	CONFIDENTIAL	4360624	CONFIDENTIAL
130		4729459	
131		5073064	
132		5394333	
133		5697677	

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The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
134		5985614	
135		6260340	
136		6523501	
137		6776451	
138		7020293	
139		7255945	
140		7484180	
141		7705659	
142	CONFIDENTIAL	7920947	CONFIDENTIAL
143		8130536	
144		8334857	
145		8534287	
146		8729153	
147		8919782	
148		9105411	
149		9289292	

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
NU	994077.6	234779.8	4.23	< .0001	0	KWH	0
NUM1	8124589.0	269211.1	30.18	< .0001	0	kes1	0

Constant Estimate 994077.6  
 Variance Estimate 9.371E11  
 Std Error Estimate 968021.6  
 AIC 2160.648  
 SBC 2105.173  
 Number of Residuals 71

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter		KWH	kes1
	NU	NUM1	
KWH	NU	1.000	-0.672
kes1	NUM1	-0.672	1.000



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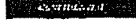
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----						
8	8.24	6	0.2207	0.188	0.125	0.182	0.105	-0.057	0.092	
12	11.46	12	0.4880	-0.107	0.094	0.042	-0.004	-0.097	0.094	
18	12.21	18	0.8350	-0.035	-0.034	-0.043	0.043	0.041	0.004	
24	14.82	24	0.9258	0.057	-0.035	-0.044	-0.044	-0.108	-0.086	

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	9.37066E11	1.00000																						0
1	1.76275E11	0.18811																						0.118578
2	1.18465E11	0.12642																						0.122806
3	1.70823E11	0.18290																						0.124625
4	9.03145E10	0.10598																						0.128325
5	-8.2657E10	-0.0667																						0.129553
6	6.59507E10	0.09172																						0.130038
7	-1.0036E11	-0.10711																						0.130946
8	7.83252E10	0.08359																						0.132175
9	3.89757E10	0.04159																						0.132917
10	-3.45439E9	-0.0369																						0.133100
11	-2.0463E10	-0.0657																						0.133102
12	8.85339E10	0.09448																						0.134085
13	-3.3304E10	-0.0354																						0.135019
14	-9.1509E10	-0.0976																						0.135151
15	-4.0388E10	-0.04310																						0.135270
16	4.04691E10	0.04319																						0.135469
17	3.86494E10	0.04125																						0.135557
18	4129425402	0.00441																						0.135833
19	5.38302E10	0.05745																						0.135825
20	-3.4058E10	-0.03535																						0.136177

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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	-4 1259E10	- 04403												*										0 136314
22	-4 1362E10	- 04414												*										0 136514
23	-1 0118E11	- 10798												**										0 136715
24	-6 1837E10	- 06599												*										0 137910

\* \* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	5	4	5	6	7	8	9	1	
1	-0 28378													*****									
2	0 08288													**									
3	-0 19526													***									
4	-0 03357													*									
5	0 11940													**									
6	-0 11792													**									
7	0 19749													*****									
8	-0 19189													***									
9	0 08477													**									
10	-0 09447													**									
11	0 18064													*****									
12	-0 17010													**									
13	0 07354													*									
14	-0 01285																						
15	0 03234													*									
16	0 05046													*									
17	-0 12440													**									
18	0 09949													***									
19	-0 16522													***									
20	0 08899													**									

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Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0.00511																						
22	0.02971													*									
23	0.04488													*									
24	-0.01365																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.18511																						
2	0.09437																						
3	0.14958																						
4	0.04350																						
5	-0.12969																						
6	0.08943																						
7	-0.15945																						
8	0.15523																						
9	0.00977																						
10	-0.01521																						
11	-0.10406																						
12	0.07550																						
13	-0.00598																						
14	-0.03968																						
15	-0.01632																						
16	0.03313																						
17	0.08517																						
18	-0.08684																						
19	0.11352																						
20	-0.19935																						
21	-0.01614																						
22	-0.06237																						

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Partial Autocorrelations

Lag	Correlation	-1	0	1	2	3	4	5	6	7	8	9	10
23	-0.05037			*									
24	0.01781												

Model for variable KWH

Estimated Intercept 994077.6

Input Number 1

Input Variable Kes1  
 Overall Regression Factor 8124589

WARNING: Observation 78 is out of order according to the ID variable TIME

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
72		958022	
73		958022	
74		958022	
75		958022	
76		958022	
77		958022	
78		958022	
79		958022	
80		958022	
81		958022	
82		958022	

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Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
83	XXXXXXXXXX	968022	XXXXXXXXXX
84	XXXXXXXXXX	968022	XXXXXXXXXX
85	XXXXXXXXXX	968022	XXXXXXXXXX
86	XXXXXXXXXX	968022	XXXXXXXXXX
87	XXXXXXXXXX	968022	XXXXXXXXXX
88	XXXXXXXXXX	968022	XXXXXXXXXX
89	XXXXXXXXXX	968022	XXXXXXXXXX
90	XXXXXXXXXX	968022	XXXXXXXXXX
91	XXXXXXXXXX	968022	XXXXXXXXXX
92	XXXXXXXXXX	968022	XXXXXXXXXX
93	XXXXXXXXXX	968022	XXXXXXXXXX
94	XXXXXXXXXX	968022	XXXXXXXXXX
95	XXXXXXXXXX	968022	XXXXXXXXXX
96	XXXXXXXXXX	968022	XXXXXXXXXX

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Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Log	Variable	Shift
MU	182210.6	79526.3	2.28	0.0257	0	KWH	0
MA1,1	-0.10805	0.14983	-0.71	0.4827	1	KWH	0
MUM1	-2115188.1	248148.6	-8.52	< .0001	0	hunt1	0

Constant Estimate 182210.6  
 Variance Estimate 2.439E11  
 Std Error Estimate 493845.9  
 AIC 1397.678  
 SBC 1405.292  
 Number of Residuals 48

\* AIC and SBC do not include log determinant

Correlations of Parameter Estimates

Variable Parameter		KWH MU	KWH MA1,1	hunt1 MUM1
KWH	MU	1.000	-0.019	-0.145
KWH	MA1,1	-0.019	1.000	0.003
hunt1	MUM1	-0.145	0.003	1.000

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Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----																
5	14.52	5	0.0126	0.041	0.402	0.127	0.222	0.178	0.110											
12	18.28	11	0.0753	0.055	-0.014	0.128	-0.064	0.137	-0.128											
18	21.84	17	0.1911	-0.129	0.027	-0.139	0.098	-0.055	0.013											
24	37.54	23	0.0278	-0.105	-0.086	-0.115	-0.149	-0.118	-0.316											

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-  9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1																			Std Error
0	2.43884E11	1.00000	-----																			0
1	1.00338E10	0.04114	*																			0.144338
2	0.70605E10	0.04067	*****																			0.144592
3	3.10465E10	0.12730	***																			0.168212
4	5.41943E10	0.22221	****																			0.168230
5	4.34184E10	0.17802	*****																			0.174238
6	2.68132E10	0.10994	**																			0.177957
7	1.33275E10	0.05465	*																			0.179396
8	-2.50942E9	-0.01439																				0.179743
9	3.11266E10	0.12763	***																			0.179767
10	-1.5691E10	-0.06434	*																			0.181545
11	3.2382E10	0.13593	***																			0.182119
12	-3.1222E10	-1.2901	***																			0.184251
13	-2.9982E10	-1.2293	**																			0.185095
14	6.569815926	0.02894	*																			0.187779
15	-3.3886E10	-1.3895	***																			0.187650
16	2.39716E10	0.09829	**																			0.189989
17	-1.5789E10	-0.06474	*																			0.191045
18	3.160425154	0.01296																				0.191502
19	-2.5966E10	-1.0847	**																			0.191520
20	-1.5162E10	-0.0627	*																			0.192749

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Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1	Std Error
21	-2.7989E10	-.11476		0.153223
22	-3.6341E10	-.14301		0.194638
23	-2.885E10	-.11945		0.167000
24	-7.6621E10	-.31499		0.198479

marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1
1	0.17865	
2	-0.21886	
3	-0.20903	
4	-0.26075	
5	-0.10257	
6	0.07954	
7	0.21250	
8	0.05911	
9	-0.10157	
10	-0.14925	
11	-0.15233	
12	0.18670	
13	0.22665	
14	0.08225	
15	0.04533	
16	-0.13614	
17	-0.16426	
18	-0.11151	
19	0.02107	
20	0.08339	



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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
21	0 05184												*											
22	0 01649																							
23	0 00629																							
24	0 08023												**											

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0 04114												*										
2	0 40066													*****									
3	0 12041													**									
4	0 07328													*									
5	0 10497													**									
6	-0 00349																						
7	-0 09238													**									
8	-0 12010													**									
9	0 10658													**									
10	-0 04938													*									
11	0 08397													**									
12	-0 08810													**									
13	-0 24850													*****									
14	0 09133													**									
15	-0 02722													*									
16	0 13600													***									
17	0 10481													**									
18	-0 01424																						
19	-0 13271													***									
20	-0 21716													***									
21	-0 09829													**									
22	-0 10697													**									

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Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.01064																						
24	-0.12024										**												

Model for variable KWH

Estimated Intercept 182210.5  
 Period(s) of Differencing 12

Moving Average Factors

Factor 1: 1 + 0.10605 B\*\*(1)

Input Number 1

Input Variable hunt1  
 Period(s) of Differencing 12  
 Overall Regression Factor -2115188

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
51		493846	
52		495515	
53	CONFIDENTIAL	495515	CONFIDENTIAL
54		495515	
55		495515	
56		495515	

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[REDACTED]

The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
67	[REDACTED]	496615	[REDACTED]
68	[REDACTED]	496615	[REDACTED]
69	[REDACTED]	496615	[REDACTED]
70	[REDACTED]	496615	[REDACTED]
71	[REDACTED]	496615	[REDACTED]
72	[REDACTED]	496615	[REDACTED]
73	[REDACTED]	700364	[REDACTED]
74	[REDACTED]	702320	[REDACTED]
75	[REDACTED]	702320	[REDACTED]
76	[REDACTED]	702320	[REDACTED]
77	[REDACTED]	702320	[REDACTED]
78	[REDACTED]	702320	[REDACTED]
79	[REDACTED]	702320	[REDACTED]
80	[REDACTED]	702320	[REDACTED]
81	[REDACTED]	702320	[REDACTED]
82	[REDACTED]	702320	[REDACTED]
83	[REDACTED]	702320	[REDACTED]
84	[REDACTED]	702320	[REDACTED]
85	[REDACTED]	858567	[REDACTED]

KPC\_LL\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acclno	year	month	type	JURIS
12/1/1995							1995	12	Apr06	KPC
1/1/1996							1996	1	Apr06	KPC
7/1/1997							1997	7	Apr06	KPC
2/1/1998							1998	2	Apr06	KPC
3/1/1998							1998	3	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999							1999	7	Apr06	KPC
8/1/1999				-8099669			1999	8	Apr06	KPC
9/1/1999				-3781669			1999	9	Apr06	KPC
10/1/1999				1164331			1999	10	Apr06	KPC
11/1/1999				1065205			1999	11	Apr06	KPC
12/1/1999				2097631			1999	12	Apr06	KPC
1/1/2000				623937.1			2000	1	Apr06	KPC
2/1/2000				957058.2			2000	2	Apr06	KPC
3/1/2000				2858590			2000	3	Apr06	KPC
4/1/2000				-963533.6			2000	4	Apr06	KPC
5/1/2000				-698099.6			2000	5	Apr06	KPC
6/1/2000				623068.2			2000	6	Apr06	KPC
7/1/2000				-932513			2000	7	Apr06	KPC
8/1/2000				-527147.3			2000	8	Apr06	KPC
9/1/2000				1747232			2000	9	Apr06	KPC
10/1/2000				-423382.2			2000	10	Apr06	KPC
11/1/2000				633244.2			2000	11	Apr06	KPC
12/1/2000				1097657			2000	12	Apr06	KPC
1/1/2001				1180314			2001	1	Apr06	KPC
2/1/2001				-634624			2001	2	Apr06	KPC
3/1/2001				-2740953			2001	3	Apr06	KPC
4/1/2001				-274199.2			2001	4	Apr06	KPC
5/1/2001				3075388			2001	5	Apr06	KPC
6/1/2001				-973049.6			2001	6	Apr06	KPC
7/1/2001				-356356.4			2001	7	Apr06	KPC

KPC\_LL\_Model\_Output

time	KVWH	L95	U95	RESIDUAL	name	acclno	year	month	type	JURIS
8/1/2001				793452.7			2001	8	Apr06	KPC
9/1/2001				257669.4			2001	9	Apr06	KPC
10/1/2001				715672.8			2001	10	Apr06	KPC
11/1/2001				323033.8			2001	11	Apr06	KPC
12/1/2001				254875.7			2001	12	Apr06	KPC
1/1/2002				432486.9			2002	1	Apr06	KPC
2/1/2002				-96073.33			2002	2	Apr06	KPC
3/1/2002				-259899.5			2002	3	Apr06	KPC
4/1/2002				1292338			2002	4	Apr06	KPC
5/1/2002				-781513.8			2002	5	Apr06	KPC
6/1/2002				-383263.4			2002	6	Apr06	KPC
7/1/2002				1485459			2002	7	Apr06	KPC
8/1/2002				101403.7			2002	8	Apr06	KPC
9/1/2002				888520.3			2002	9	Apr06	KPC
10/1/2002				-342387			2002	10	Apr06	KPC
11/1/2002				-1176371			2002	11	Apr06	KPC
12/1/2002				2477759			2002	12	Apr06	KPC
1/1/2003				-717022.2			2003	1	Apr06	KPC
2/1/2003				1080985			2003	2	Apr06	KPC
3/1/2003				-281831.2			2003	3	Apr06	KPC
4/1/2003				69930.33			2003	4	Apr06	KPC
5/1/2003				-31583.08			2003	5	Apr06	KPC
6/1/2003				434746.2			2003	6	Apr06	KPC
7/1/2003				672831.6			2003	7	Apr06	KPC
8/1/2003				578247.6			2003	8	Apr06	KPC
9/1/2003				347234			2003	9	Apr06	KPC
10/1/2003				1667946			2003	10	Apr06	KPC
11/1/2003				-1238382			2003	11	Apr06	KPC
12/1/2003				1670278			2003	12	Apr06	KPC
1/1/2004				-280708.1			2004	1	Apr06	KPC
2/1/2004				961765.9			2004	2	Apr06	KPC
3/1/2004				1559543			2004	3	Apr06	KPC
4/1/2004				-1160391			2004	4	Apr06	KPC
5/1/2004				59781.15			2004	5	Apr06	KPC
6/1/2004				2633190			2004	6	Apr06	KPC
7/1/2004				115568.9			2004	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2004				-32003.14				2004	8 Apr06	KPC
9/1/2004				855640.5				2004	9 Apr06	KPC
10/1/2004				-657020.1				2004	10 Apr06	KPC
11/1/2004				-61810.37				2004	11 Apr06	KPC
12/1/2004				-148862.9				2004	12 Apr06	KPC
1/1/2005				-143531				2005	1 Apr06	KPC
2/1/2005				614352.8				2005	2 Apr06	KPC
3/1/2005				315891.2				2005	3 Apr06	KPC
4/1/2005				544502.5				2005	4 Apr06	KPC
5/1/2005				97761.58				2005	5 Apr06	KPC
6/1/2005				593377.5				2005	6 Apr06	KPC
7/1/2005				-138351.4				2005	7 Apr06	KPC
8/1/2005				-512014.3				2005	8 Apr06	KPC
9/1/2005				2170500				2005	9 Apr06	KPC
10/1/2005				-870912.7				2005	10 Apr06	KPC
11/1/2005				3050987				2005	11 Apr06	KPC
12/1/2005				-2545273				2005	12 Apr06	KPC
1/1/2006				1587739				2006	1 Apr06	KPC
2/1/2006				-1178227				2006	2 Apr06	KPC
3/1/2006				-631393.8				2006	3 Apr06	KPC
4/1/2006				-857373.5				2006	4 Apr06	KPC
5/1/2006				-284851.3				2006	5 Apr06	KPC
6/1/2006				-326918.8				2006	6 Apr06	KPC
7/1/2006				123802.5				2006	7 Apr06	KPC
8/1/2006				420599.6				2006	8 Apr06	KPC
9/1/2006				-863655.5				2006	9 Apr06	KPC
10/1/2006				71727.34				2006	10 Apr06	KPC
11/1/2006				-297179.4				2006	11 Apr06	KPC
12/1/2006				48843.35				2006	12 Apr06	KPC
1/1/2007				-346804				2007	1 Apr06	KPC
2/1/2007				124114.3				2007	2 Apr06	KPC
3/1/2007				-471089.2				2007	3 Apr06	KPC
4/1/2007				1211253				2007	4 Apr06	KPC
5/1/2007				1639592				2007	5 Apr06	KPC
6/1/2007				-1230299				2007	6 Apr06	KPC
7/1/2007				-18564.05				2007	7 Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2007				1728617			2007	8	Apr06	KPC
9/1/2007				-2520788			2007	9	Apr06	KPC
10/1/2007				20.78454			2007	10	Apr06	KPC
11/1/2007				-1598426			2007	11	Apr06	KPC
12/1/2007				319943.9			2007	12	Apr06	KPC
1/1/2008				863405.2			2008	1	Apr08	KPC
2/1/2008				494545.5			2008	2	Apr06	KPC
3/1/2008				920348.8			2008	3	Apr06	KPC
4/1/2008				883104.8			2008	4	Apr06	KPC
5/1/2008				311332.9			2008	5	Apr06	KPC
6/1/2008				375797.2			2008	6	Apr06	KPC
7/1/2008				1108442			2008	7	Apr06	KPC
8/1/2008				-1640361			2008	8	Apr06	KPC
9/1/2008				52286.52			2008	9	Apr06	KPC
10/1/2008				283054.8			2008	10	Apr06	KPC
11/1/2008				-1383429			2008	11	Apr06	KPC
12/1/2008				1407529			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
2/1/2011							2011	2	Apr06	KPC
3/1/2011							2011	3	Apr06	KPC
4/1/2011							2011	4	Apr06	KPC
5/1/2011							2011	5	Apr06	KPC
6/1/2011							2011	6	Apr06	KPC
7/1/2011							2011	7	Apr06	KPC
1/1/1996							1996	1	Apr06	KPC
2/1/1996				4629304			1996	2	Apr06	KPC
3/1/1996				4362957			1996	3	Apr06	KPC
4/1/1996				18762228			1996	4	Apr06	KPC
1/1/1999				-11099334			1999	1	Apr06	KPC
2/1/1999				-6795173			1999	2	Apr06	KPC
3/1/1999				-472332.9			1999	3	Apr06	KPC
4/1/1999				1486331			1999	4	Apr06	KPC
5/1/1999				-976226.2			1999	5	Apr06	KPC
6/1/1999				159236.1			1999	6	Apr06	KPC
7/1/1999				-57368.75			1999	7	Apr06	KPC
8/1/1999				-120273.3			1999	8	Apr06	KPC
9/1/1999				-1503709			1999	9	Apr06	KPC
10/1/1999				499785.2			1999	10	Apr06	KPC
11/1/1999				256672.2			1999	11	Apr06	KPC
12/1/1999				420665.5			1999	12	Apr06	KPC
1/1/2000				46474.25			2000	1	Apr06	KPC
2/1/2000				-636163.7			2000	2	Apr06	KPC
3/1/2000				-530455.9			2000	3	Apr06	KPC
4/1/2000				250188.5			2000	4	Apr06	KPC
5/1/2000				-1783461			2000	5	Apr06	KPC
6/1/2000				845198.6			2000	6	Apr06	KPC
7/1/2000				989164.4			2000	7	Apr06	KPC
8/1/2000				-679776.6			2000	8	Apr06	KPC



KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
9/1/2000				-96802.07			2000	9	Apr06	KPC
10/1/2000				-149781			2000	10	Apr06	KPC
11/1/2000				258592.4			2000	11	Apr06	KPC
12/1/2000				-1260599			2000	12	Apr06	KPC
1/1/2001				892458.3			2001	1	Apr06	KPC
2/1/2001				-795617.8			2001	2	Apr06	KPC
3/1/2001				-2636818			2001	3	Apr06	KPC
4/1/2001				927965.1			2001	4	Apr06	KPC
5/1/2001				945714			2001	5	Apr06	KPC
6/1/2001				-289940.6			2001	6	Apr06	KPC
7/1/2001				980573.7			2001	7	Apr06	KPC
8/1/2001				156396.1			2001	8	Apr06	KPC
9/1/2001				-1333637			2001	9	Apr06	KPC
10/1/2001				203091.3			2001	10	Apr06	KPC
11/1/2001				-240816.2			2001	11	Apr06	KPC
12/1/2001				157046.3			2001	12	Apr06	KPC
1/1/2002				-1403028			2002	1	Apr06	KPC
2/1/2002				-3163084			2002	2	Apr06	KPC
3/1/2002				-703119.8			2002	3	Apr06	KPC
4/1/2002				3421648			2002	4	Apr06	KPC
5/1/2002				-125870.4			2002	5	Apr06	KPC
6/1/2002				-1925807			2002	6	Apr06	KPC
7/1/2002				3263494			2002	7	Apr06	KPC
8/1/2002				97885.28			2002	8	Apr06	KPC
9/1/2002				-2051861			2002	9	Apr06	KPC
10/1/2002				2083043			2002	10	Apr06	KPC
11/1/2002				378509.4			2002	11	Apr06	KPC
12/1/2002				-2551539			2002	12	Apr06	KPC
1/1/2003				-242515.4			2003	1	Apr06	KPC
2/1/2003				-1039133			2003	2	Apr06	KPC
3/1/2003				2281000			2003	3	Apr06	KPC
4/1/2003				1344466			2003	4	Apr06	KPC
5/1/2003				655506.8			2003	5	Apr06	KPC
6/1/2003				570470.8			2003	6	Apr06	KPC
7/1/2003				-843282.3			2003	7	Apr06	KPC
8/1/2003				-829824.3			2003	8	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acclno	year	month	type	JURIS
9/1/2003				-1651812			2003	9	Apr06	KPC
10/1/2003				1297534			2003	10	Apr06	KPC
11/1/2003				698307.1			2003	11	Apr06	KPC
12/1/2003				-2020734			2003	12	Apr06	KPC
1/1/2004				-1183424			2004	1	Apr06	KPC
2/1/2004				-76822.88			2004	2	Apr06	KPC
3/1/2004				2510815			2004	3	Apr06	KPC
4/1/2004				792989			2004	4	Apr06	KPC
5/1/2004				-1338638			2004	5	Apr06	KPC
6/1/2004				2391815			2004	6	Apr06	KPC
7/1/2004				203168.2			2004	7	Apr06	KPC
8/1/2004				-1157566			2004	8	Apr06	KPC
9/1/2004				466710.5			2004	9	Apr06	KPC
10/1/2004				-452474			2004	10	Apr06	KPC
11/1/2004				-161129			2004	11	Apr06	KPC
12/1/2004				1245895			2004	12	Apr06	KPC
1/1/2005				965250.9			2005	1	Apr06	KPC
2/1/2005				-1506871			2005	2	Apr06	KPC
3/1/2005				-345953.5			2005	3	Apr06	KPC
4/1/2005				48906.38			2005	4	Apr06	KPC
5/1/2005				-914618			2005	5	Apr06	KPC
6/1/2005				-348278.6			2005	6	Apr06	KPC
7/1/2005				-945098			2005	7	Apr06	KPC
8/1/2005				-2795217			2005	8	Apr06	KPC
9/1/2005				2189481			2005	9	Apr06	KPC
10/1/2005				256426.9			2005	10	Apr06	KPC
11/1/2005				1565125			2005	11	Apr06	KPC
12/1/2005				983165.4			2005	12	Apr06	KPC
1/1/2006				70550.32			2006	1	Apr06	KPC
2/1/2006				-865607.1			2006	2	Apr06	KPC
3/1/2006				445634			2006	3	Apr06	KPC
4/1/2006				-498194			2006	4	Apr06	KPC
5/1/2006				-9296.408			2006	5	Apr06	KPC
6/1/2006				160855.5			2006	6	Apr06	KPC
7/1/2006				371945.9			2006	7	Apr06	KPC
8/1/2006				-66609.68			2006	8	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
9/1/2006				-251029.3			2006	9	Apr06	KPC
10/1/2006				129970.7			2006	10	Apr06	KPC
11/1/2006				-489821			2006	11	Apr06	KPC
12/1/2006				-326499.4			2006	12	Apr06	KPC
1/1/2007				267698.1			2007	1	Apr06	KPC
2/1/2007				-625788			2007	2	Apr06	KPC
3/1/2007				565121.9			2007	3	Apr06	KPC
4/1/2007				-360466.8			2007	4	Apr06	KPC
5/1/2007				-561503.3			2007	5	Apr06	KPC
6/1/2007				-303720.7			2007	6	Apr06	KPC
7/1/2007				648130.7			2007	7	Apr06	KPC
8/1/2007				59849.51			2007	8	Apr06	KPC
9/1/2007				-1622629			2007	9	Apr06	KPC
10/1/2007				-4047571			2007	10	Apr06	KPC
11/1/2007				2669380			2007	11	Apr06	KPC
12/1/2007				1110109			2007	12	Apr06	KPC
1/1/2008				-99196.75			2008	1	Apr06	KPC
2/1/2008				843251.1			2008	2	Apr06	KPC
3/1/2008				777831.7			2008	3	Apr06	KPC
4/1/2008				-125867.5			2008	4	Apr06	KPC
5/1/2008				123566.7			2008	5	Apr06	KPC
6/1/2008				-322122.8			2008	6	Apr06	KPC
7/1/2008				10482.79			2008	7	Apr06	KPC
8/1/2008				-317988.4			2008	8	Apr06	KPC
9/1/2008				-146618.9			2008	9	Apr06	KPC
10/1/2008				-467388.9			2008	10	Apr06	KPC
11/1/2008				-1046914			2008	11	Apr06	KPC
12/1/2008				-158129.5			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999							1999	7	Apr06	KPC
8/1/1999							1999	8	Apr06	KPC
9/1/1999							1999	9	Apr06	KPC
10/1/1999							1999	10	Apr06	KPC
11/1/1999							1999	11	Apr06	KPC
12/1/1999							1999	12	Apr06	KPC
1/1/2000							2000	1	Apr06	KPC
2/1/2000				372436.2			2000	2	Apr06	KPC
3/1/2000				-501563.8			2000	3	Apr06	KPC
4/1/2000				35436.19			2000	4	Apr06	KPC
5/1/2000				-158563.8			2000	5	Apr06	KPC
6/1/2000				-87563.81			2000	6	Apr06	KPC
7/1/2000				351436.2			2000	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2000				661436.2			2000	8	Apr06	KPC
9/1/2000				-2539564			2000	9	Apr06	KPC
10/1/2000				1492436			2000	10	Apr06	KPC
11/1/2000				103436.2			2000	11	Apr06	KPC
12/1/2000				-36563.81			2000	12	Apr06	KPC
1/1/2001				-82563.81			2001	1	Apr06	KPC
2/1/2001				-179962.6			2001	2	Apr06	KPC
3/1/2001				23573.21			2001	3	Apr06	KPC
4/1/2001				-16677.05			2001	4	Apr06	KPC
5/1/2001				192178.7			2001	5	Apr06	KPC
6/1/2001				167056.2			2001	6	Apr06	KPC
7/1/2001				-500081.3			2001	7	Apr06	KPC
8/1/2001				448623.4			2001	8	Apr06	KPC
9/1/2001				-488966			2001	9	Apr06	KPC
10/1/2001				-785755.4			2001	10	Apr06	KPC
11/1/2001				89754.94			2001	11	Apr06	KPC
12/1/2001				-48369.76			2001	12	Apr06	KPC
1/1/2002				10132.13			2002	1	Apr06	KPC
2/1/2002				-124753.6			2002	2	Apr06	KPC
3/1/2002				333948			2002	3	Apr06	KPC
4/1/2002				-199706.3			2002	4	Apr06	KPC
5/1/2002				-212536.6			2002	5	Apr06	KPC
6/1/2002				943803.8			2002	6	Apr06	KPC
7/1/2002				852247.9			2002	7	Apr06	KPC
8/1/2002				267610.7			2002	8	Apr06	KPC
9/1/2002				1422624			2002	9	Apr06	KPC
10/1/2002				-1371045			2002	10	Apr06	KPC
11/1/2002				-759132.3			2002	11	Apr06	KPC
12/1/2002				-249696.6			2002	12	Apr06	KPC
1/1/2003				164560.4			2003	1	Apr06	KPC
2/1/2003				-134925.8			2003	2	Apr06	KPC
3/1/2003				638303.4			2003	3	Apr06	KPC
4/1/2003				184918			2003	4	Apr06	KPC
5/1/2003				482583			2003	5	Apr06	KPC
6/1/2003				-175641.1			2003	6	Apr06	KPC
7/1/2003				-97149.83			2003	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	accno	year	month	type	JURIS
8/1/2003				715766.9			2003	8	Apr06	KPC
9/1/2003				-29818.89			2003	9	Apr06	KPC
10/1/2003				242381.9			2003	10	Apr06	KPC
11/1/2003				175812.2			2003	11	Apr06	KPC
12/1/2003				54225.31			2003	12	Apr06	KPC
1/1/2004				16124.59			2004	1	Apr06	KPC
2/1/2004				52404.14			2004	2	Apr06	KPC
3/1/2004				-277898			2004	3	Apr06	KPC
4/1/2004				-1247797			2004	4	Apr06	KPC
5/1/2004				402180.1			2004	5	Apr06	KPC
6/1/2004				-11752.07			2004	6	Apr06	KPC
7/1/2004				-418165.2			2004	7	Apr06	KPC
8/1/2004				2023.867			2004	8	Apr06	KPC
9/1/2004				-83517.75			2004	9	Apr06	KPC
10/1/2004				-18568.11			2004	10	Apr06	KPC
11/1/2004				655487.4			2004	11	Apr06	KPC
12/1/2004				253510			2004	12	Apr06	KPC
1/1/2005				-48825.05			2005	1	Apr06	KPC
2/1/2005				43766.93			2005	2	Apr06	KPC
3/1/2005				-343316.3			2005	3	Apr06	KPC
4/1/2005				-186679.1			2005	4	Apr06	KPC
5/1/2005				-1444467			2005	5	Apr06	KPC
6/1/2005				-57462.26			2005	6	Apr06	KPC
7/1/2005				-1213898			2005	7	Apr06	KPC
8/1/2005				1996404			2005	8	Apr06	KPC
9/1/2005				917431.9			2005	9	Apr06	KPC
10/1/2005				-221260.8			2005	10	Apr06	KPC
11/1/2005				9867.653			2005	11	Apr06	KPC
12/1/2005				98996.12			2005	12	Apr06	KPC
1/1/2006				225867.7			2006	1	Apr06	KPC
2/1/2006				-209774.7			2006	2	Apr06	KPC
3/1/2006				216202.7			2006	3	Apr06	KPC
4/1/2006				1254694			2006	4	Apr06	KPC
5/1/2006				15655.94			2006	5	Apr06	KPC
6/1/2006				-1443674			2006	6	Apr06	KPC
7/1/2006				1053679			2006	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2006				-579530.1			2006	8	Apr06	KPC
9/1/2006				85744.32			2006	9	Apr06	KPC
10/1/2006				-218646.2			2006	10	Apr06	KPC
11/1/2006				-110132.3			2006	11	Apr06	KPC
12/1/2006				24996.12			2006	12	Apr06	KPC
1/1/2007				-102054.2			2007	1	Apr06	KPC
2/1/2007				-321696.6			2007	2	Apr06	KPC
3/1/2007				-101260.8			2007	3	Apr06	KPC
4/1/2007				394895.4			2007	4	Apr06	KPC
5/1/2007				1100001			2007	5	Apr06	KPC
6/1/2007				-72265.95			2007	6	Apr06	KPC
7/1/2007				1304984			2007	7	Apr06	KPC
8/1/2007				-1961684			2007	8	Apr06	KPC
9/1/2007				-854366.7			2007	9	Apr06	KPC
10/1/2007				-4704825			2007	10	Apr06	KPC
11/1/2007				4664046			2007	11	Apr06	KPC
12/1/2007				542303.4			2007	12	Apr06	KPC
1/1/2008				-224903.2			2008	1	Apr06	KPC
2/1/2008				475532.6			2008	2	Apr06	KPC
3/1/2008				-240825			2008	3	Apr06	KPC
4/1/2008				-147439.6			2008	4	Apr06	KPC
5/1/2008				-91361.54			2008	5	Apr06	KPC
6/1/2008				644794.7			2008	6	Apr06	KPC
7/1/2008				-625059.4			2008	7	Apr06	KPC
8/1/2008				53431.89			2008	8	Apr06	KPC
9/1/2008				-338031.6			2008	9	Apr06	KPC
10/1/2008				1806406			2008	10	Apr06	KPC
11/1/2008				-1156414			2008	11	Apr06	KPC
12/1/2008				-1076155			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
2/1/2011							2011	2	Apr06	KPC
3/1/2011							2011	3	Apr06	KPC
4/1/2011							2011	4	Apr06	KPC
5/1/2011							2011	5	Apr06	KPC
6/1/2011							2011	6	Apr06	KPC
7/1/2011							2011	7	Apr06	KPC
7/1/1997							1997	7	Apr06	KPC
8/1/1997							1997	8	Apr06	KPC
9/1/1997							1997	9	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999							1999	7	Apr06	KPC
9/1/1999							1999	9	Apr06	KPC
10/1/1999							1999	10	Apr06	KPC



KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
11/1/1999				-18787911			1999	11	Apr08	KPC
12/1/1999				10307450			1999	12	Apr08	KPC
1/1/2000				-3402182			2000	1	Apr08	KPC
2/1/2000				-8490647			2000	2	Apr08	KPC
3/1/2000				12907099			2000	3	Apr08	KPC
4/1/2000				-2245356			2000	4	Apr08	KPC
5/1/2000				3741425			2000	5	Apr08	KPC
6/1/2000				-129928.7			2000	6	Apr08	KPC
7/1/2000				4686805			2000	7	Apr08	KPC
8/1/2000				-338850			2000	8	Apr08	KPC
9/1/2000				-1592215			2000	9	Apr08	KPC
10/1/2000				11813498			2000	10	Apr08	KPC
11/1/2000				3860839			2000	11	Apr08	KPC
2/1/2001				-13709728			2001	2	Apr08	KPC
3/1/2001				5709384			2001	3	Apr08	KPC
4/1/2001				3162270			2001	4	Apr08	KPC
5/1/2001				7244353			2001	5	Apr08	KPC
6/1/2001				-1167379			2001	6	Apr08	KPC
7/1/2001				6085751			2001	7	Apr08	KPC
8/1/2001				295229.7			2001	8	Apr08	KPC
9/1/2001				-741566			2001	9	Apr08	KPC
10/1/2001				3441274			2001	10	Apr08	KPC
11/1/2001				-4761852			2001	11	Apr08	KPC
12/1/2001				2259798			2001	12	Apr08	KPC
1/1/2002				3386986			2002	1	Apr08	KPC
2/1/2002				-295038.7			2002	2	Apr08	KPC
3/1/2002				3977607			2002	3	Apr08	KPC
4/1/2002				4850872			2002	4	Apr08	KPC
5/1/2002				3534043			2002	5	Apr08	KPC
6/1/2002				-1795714			2002	6	Apr08	KPC
7/1/2002				1285556			2002	7	Apr08	KPC
8/1/2002				1523965			2002	8	Apr08	KPC
9/1/2002				-2459210			2002	9	Apr08	KPC
10/1/2002				-1189842			2002	10	Apr08	KPC
11/1/2002				1206028			2002	11	Apr08	KPC
12/1/2002				8557826			2002	12	Apr08	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL name	accino	year	month	type	JURIS
1/1/2003				999138.1		2003	1	Apr06	KPC
2/1/2003				-3757888		2003	2	Apr06	KPC
3/1/2003				814759.9		2003	3	Apr06	KPC
4/1/2003				-5611167		2003	4	Apr06	KPC
5/1/2003				-935463.3		2003	5	Apr06	KPC
6/1/2003				-2832607		2003	6	Apr06	KPC
7/1/2003				-5232201		2003	7	Apr06	KPC
8/1/2003				4871054		2003	8	Apr06	KPC
9/1/2003				1877186		2003	9	Apr06	KPC
10/1/2003				880841.9		2003	10	Apr06	KPC
11/1/2003				1876894		2003	11	Apr06	KPC
12/1/2003				-2287309		2003	12	Apr06	KPC
1/1/2004				-4531499		2004	1	Apr06	KPC
2/1/2004				-9695340		2004	2	Apr06	KPC
3/1/2004				8586615		2004	3	Apr06	KPC
4/1/2004				1176065		2004	4	Apr06	KPC
5/1/2004				3912837		2004	5	Apr06	KPC
6/1/2004				-2169547		2004	6	Apr06	KPC
7/1/2004				3478158		2004	7	Apr06	KPC
8/1/2004				-1024081		2004	8	Apr06	KPC
9/1/2004				-2464730		2004	9	Apr06	KPC
10/1/2004				372646.8		2004	10	Apr06	KPC
11/1/2004				-2010845		2004	11	Apr06	KPC
12/1/2004				5443068		2004	12	Apr06	KPC
1/1/2005				2158647		2005	1	Apr06	KPC
2/1/2005				-7478456		2005	2	Apr06	KPC
3/1/2005				-1890729		2005	3	Apr06	KPC
4/1/2005				6062710		2005	4	Apr06	KPC
5/1/2005				4094829		2005	5	Apr06	KPC
6/1/2005				1473246		2005	6	Apr06	KPC
7/1/2005				3288442		2005	7	Apr06	KPC
8/1/2005				1077040		2005	8	Apr06	KPC
9/1/2005				365090.9		2005	9	Apr06	KPC
10/1/2005				4174431		2005	10	Apr06	KPC
11/1/2005				1663445		2005	11	Apr06	KPC
12/1/2005				10054555		2005	12	Apr06	KPC

KPC\_Li\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2006				-4074354		000000000	2006	1	Apr06	KPC
2/1/2006				6664060			2006	2	Apr06	KPC
3/1/2006				2098493			2006	3	Apr06	KPC
4/1/2006				-416956.1			2006	4	Apr06	KPC
5/1/2006				5091085			2006	5	Apr06	KPC
6/1/2006				-4320239			2006	6	Apr06	KPC
7/1/2006				-8012377			2006	7	Apr06	KPC
8/1/2006				7568287			2006	8	Apr06	KPC
9/1/2006				-3498915			2006	9	Apr06	KPC
10/1/2006				-17630013			2006	10	Apr06	KPC
11/1/2006				3471342			2006	11	Apr06	KPC
12/1/2006				1203021			2006	12	Apr06	KPC
1/1/2007				-9503731			2007	1	Apr06	KPC
2/1/2007				7689254			2007	2	Apr06	KPC
3/1/2007				5545649			2007	3	Apr06	KPC
4/1/2007				5532164			2007	4	Apr06	KPC
5/1/2007				3011771			2007	5	Apr06	KPC
6/1/2007				4030490			2007	6	Apr06	KPC
7/1/2007				6424590			2007	7	Apr06	KPC
8/1/2007				-48904.72			2007	8	Apr06	KPC
9/1/2007				-32148023			2007	9	Apr06	KPC
10/1/2007				-15895825			2007	10	Apr06	KPC
11/1/2007				-14846945			2007	11	Apr06	KPC
12/1/2007				12167224			2007	12	Apr06	KPC
1/1/2008				6647668			2008	1	Apr06	KPC
2/1/2008				-2828544			2008	2	Apr06	KPC
3/1/2008				-3444038			2008	3	Apr06	KPC
4/1/2008				-6905701			2008	4	Apr06	KPC
5/1/2008				5367871			2008	5	Apr06	KPC
6/1/2008				-1471848			2008	6	Apr06	KPC
7/1/2008				548503			2008	7	Apr06	KPC
8/1/2008				-1088444			2008	8	Apr06	KPC
9/1/2008				10602473			2008	9	Apr06	KPC
10/1/2008				2539654			2008	10	Apr06	KPC
11/1/2008				374470.5			2008	11	Apr06	KPC
12/1/2008				-8025723			2008	12	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
2/1/2011							2011	2	Apr06	KPC
3/1/2011							2011	3	Apr06	KPC
4/1/2011							2011	4	Apr06	KPC
5/1/2011							2011	5	Apr06	KPC
6/1/2011							2011	6	Apr06	KPC
7/1/2011							2011	7	Apr06	KPC
1/1/2004							2004	1	Apr06	KPC
2/1/2004							2004	2	Apr06	KPC
3/1/2004							2004	3	Apr06	KPC
4/1/2004							2004	4	Apr06	KPC
5/1/2004							2004	5	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acclno	year	month	type	JURIS
6/1/2004							2004	6	Apr06	KPC
7/1/2004							2004	7	Apr06	KPC
8/1/2004							2004	8	Apr06	KPC
9/1/2004							2004	9	Apr06	KPC
10/1/2004							2004	10	Apr06	KPC
11/1/2004							2004	11	Apr06	KPC
12/1/2004							2004	12	Apr06	KPC
1/1/2005				-31834.38			2005	1	Apr06	KPC
2/1/2005				-322834.7			2005	2	Apr06	KPC
3/1/2005				-219974.9			2005	3	Apr06	KPC
4/1/2005				-82882.9			2005	4	Apr06	KPC
5/1/2005				-319542			2005	5	Apr06	KPC
6/1/2005				379675.9			2005	6	Apr06	KPC
7/1/2005				113525.9			2005	7	Apr06	KPC
8/1/2005				309750.3			2005	8	Apr06	KPC
9/1/2005				-551058.7			2005	9	Apr06	KPC
10/1/2005				1148228			2005	10	Apr06	KPC
11/1/2005				-159976.7			2005	11	Apr06	KPC
12/1/2005				-357245.5			2005	12	Apr06	KPC
1/1/2006				-338325.8			2006	1	Apr06	KPC
2/1/2006				-26544.24			2006	2	Apr06	KPC
3/1/2006				156604.3			2006	3	Apr06	KPC
4/1/2006				-366818			2006	4	Apr06	KPC
5/1/2006				-287310.6			2006	5	Apr06	KPC
6/1/2006				-583742.1			2006	6	Apr06	KPC
7/1/2006				-216306.5			2006	7	Apr06	KPC
8/1/2006				-495271.9			2006	8	Apr06	KPC
9/1/2006				-321688.5			2006	9	Apr06	KPC
10/1/2006				-532096.5			2006	10	Apr06	KPC
11/1/2006				-941783.3			2006	11	Apr06	KPC
12/1/2006				133662.8			2006	12	Apr06	KPC
1/1/2007				-52385.13			2007	1	Apr06	KPC
2/1/2007				303344.7			2007	2	Apr06	KPC
3/1/2007				1620.596			2007	3	Apr06	KPC
4/1/2007				-182382.5			2007	4	Apr06	KPC
5/1/2007				-186869.5			2007	5	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	accno	year	month	type	JURIS
6/1/2007				-210393.6			2007	6	Apr06	KPC
7/1/2007				-351899			2007	7	Apr06	KPC
8/1/2007				-288892.7			2007	8	Apr06	KPC
9/1/2007				280425.6			2007	9	Apr06	KPC
10/1/2007				-691948.9			2007	10	Apr06	KPC
11/1/2007				611168.6			2007	11	Apr06	KPC
12/1/2007				-7023.218			2007	12	Apr06	KPC
1/1/2008				-133465.8			2008	1	Apr06	KPC
2/1/2008				863943.1			2008	2	Apr06	KPC
3/1/2008				-873829.2			2008	3	Apr06	KPC
4/1/2008				414456.4			2008	4	Apr06	KPC
5/1/2008				469837.5			2008	5	Apr06	KPC
6/1/2008				1135965			2008	6	Apr06	KPC
7/1/2008				297323.7			2008	7	Apr06	KPC
8/1/2008				794259.1			2008	8	Apr06	KPC
9/1/2008				69560.57			2008	9	Apr06	KPC
10/1/2008				914412.7			2008	10	Apr06	KPC
11/1/2008				224818.6			2008	11	Apr06	KPC
12/1/2008				489948.1			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
2/1/2003				-314341.8			2003	2	Apr06	KPC
3/1/2003				-280892.6			2003	3	Apr06	KPC
4/1/2003				-466280.6			2003	4	Apr06	KPC
5/1/2003				-589475.6			2003	5	Apr06	KPC
6/1/2003				-616077.6			2003	6	Apr06	KPC
7/1/2003				-700077.6			2003	7	Apr06	KPC
8/1/2003				-700077.6			2003	8	Apr06	KPC
9/1/2003				-742077.6			2003	9	Apr06	KPC
10/1/2003				-742077.6			2003	10	Apr06	KPC
11/1/2003				-742077.6			2003	11	Apr06	KPC
12/1/2003				-574077.6			2003	12	Apr06	KPC
1/1/2004				-28077.65			2004	1	Apr06	KPC
2/1/2004				685922.4			2004	2	Apr06	KPC
3/1/2004				475922.4			2004	3	Apr06	KPC
4/1/2004				307922.4			2004	4	Apr06	KPC
5/1/2004				601922.4			2004	5	Apr06	KPC
6/1/2004				442392.2			2004	6	Apr06	KPC
7/1/2004				-101266.7			2004	7	Apr06	KPC
8/1/2004				-760666.7			2004	8	Apr06	KPC
9/1/2004				331333.3			2004	9	Apr06	KPC
10/1/2004				-105466.7			2004	10	Apr06	KPC
11/1/2004				-382666.7			2004	11	Apr06	KPC
12/1/2004				961333.3			2004	12	Apr06	KPC
1/1/2005				-340666.7			2005	1	Apr06	KPC
2/1/2005				667333.3			2005	2	Apr06	KPC
3/1/2005				247333.3			2005	3	Apr06	KPC
4/1/2005				-886666.7			2005	4	Apr06	KPC
5/1/2005				-886666.7			2005	5	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
6/1/2005				-46666.67			2005	6	Apr06	KPC
7/1/2005				205333.3			2005	7	Apr06	KPC
8/1/2005				-550886.7			2005	8	Apr06	KPC
9/1/2005				583333.3			2005	9	Apr06	KPC
10/1/2005				205333.3			2005	10	Apr06	KPC
11/1/2005				1591333			2005	11	Apr06	KPC
12/1/2005				667333.3			2005	12	Apr06	KPC
1/1/2006				1885333			2006	1	Apr06	KPC
2/1/2006				289333.3			2006	2	Apr06	KPC
3/1/2006				583333.3			2006	3	Apr06	KPC
4/1/2006				121333.3			2006	4	Apr06	KPC
5/1/2006				163333.3			2006	5	Apr06	KPC
6/1/2006				331333.3			2006	6	Apr06	KPC
7/1/2006				289333.3			2006	7	Apr06	KPC
8/1/2006				-382666.7			2006	8	Apr06	KPC
9/1/2006				1591333			2006	9	Apr06	KPC
10/1/2006				205333.3			2006	10	Apr06	KPC
11/1/2006				1549333			2006	11	Apr06	KPC
12/1/2006				331333.3			2006	12	Apr06	KPC
1/1/2007				919333.3			2007	1	Apr06	KPC
2/1/2007				-4666.666			2007	2	Apr06	KPC
3/1/2007				331333.3			2007	3	Apr06	KPC
4/1/2007				331333.3			2007	4	Apr06	KPC
5/1/2007				1003333			2007	5	Apr06	KPC
6/1/2007				-214666.7			2007	6	Apr06	KPC
7/1/2007				-130666.7			2007	7	Apr06	KPC
8/1/2007				-172886.7			2007	8	Apr06	KPC
9/1/2007				-718666.7			2007	9	Apr06	KPC
10/1/2007				-1222887			2007	10	Apr06	KPC
11/1/2007				-1012667			2007	11	Apr06	KPC
12/1/2007				-1474667			2007	12	Apr06	KPC
1/1/2008				1171333			2008	1	Apr06	KPC
2/1/2008				-4666.666			2008	2	Apr06	KPC
3/1/2008				-802666.7			2008	3	Apr06	KPC
4/1/2008				877333.3			2008	4	Apr06	KPC
5/1/2008				836333.3			2008	5	Apr06	KPC



KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
6/1/2008				-2020667			2008	6	Apr06	KPC
7/1/2008				-1222867			2008	7	Apr06	KPC
8/1/2008				-172666.7			2008	8	Apr06	KPC
9/1/2008				331333.3			2008	9	Apr06	KPC
10/1/2008				-508666.7			2008	10	Apr06	KPC
11/1/2008				-888666.7			2008	11	Apr06	KPC
12/1/2008				-1728667			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009		CONFIDENTIAL			CONFIDENTIAL		2009	11	Apr06	KPC
12/1/2009						CONFIDENTIAL	2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
9/1/1997							1997	9	Apr06	KPC
10/1/1998							1998	10	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	accno	year	month	type	JURIS
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999							1999	7	Apr06	KPC
8/1/1999							1999	8	Apr06	KPC
9/1/1999							1999	9	Apr06	KPC
10/1/1999							1999	10	Apr06	KPC
11/1/1999							1999	11	Apr06	KPC
12/1/1999				-559753.2			1999	12	Apr06	KPC
1/1/2000				-133543.2			2000	1	Apr06	KPC
2/1/2000				246876.9			2000	2	Apr06	KPC
3/1/2000				-53041.02			2000	3	Apr06	KPC
4/1/2000				101892.5			2000	4	Apr06	KPC
5/1/2000				-269041			2000	5	Apr06	KPC
6/1/2000				-462845.9			2000	6	Apr06	KPC
7/1/2000				-450599.8			2000	7	Apr06	KPC
8/1/2000				-174681.8			2000	8	Apr06	KPC
9/1/2000				138302.7			2000	9	Apr06	KPC
10/1/2000				-185123.1			2000	10	Apr06	KPC
11/1/2000				113482.3			2000	11	Apr06	KPC
12/1/2000				-317583.8			2000	12	Apr06	KPC
1/1/2001				-539512			2001	1	Apr06	KPC
2/1/2001				880236.8			2001	2	Apr06	KPC
3/1/2001				686808			2001	3	Apr06	KPC
4/1/2001				-581673.3			2001	4	Apr06	KPC
5/1/2001				87652.25			2001	5	Apr06	KPC
6/1/2001				987958.1			2001	6	Apr06	KPC
7/1/2001				-23869.79			2001	7	Apr06	KPC
8/1/2001				-1727792			2001	8	Apr06	KPC
9/1/2001				-842535.7			2001	9	Apr06	KPC
10/1/2001				78395.43			2001	10	Apr06	KPC
11/1/2001				-634866.4			2001	11	Apr06	KPC
12/1/2001				451694			2001	12	Apr06	KPC
1/1/2002				-306745.5			2002	1	Apr06	KPC
2/1/2002				408371.8			2002	2	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
3/1/2002				1107491			2002	3	Apr06	KPC
4/1/2002				-627458.4			2002	4	Apr06	KPC
5/1/2002				.661935.7			2002	5	Apr06	KPC
6/1/2002				-1721832			2002	6	Apr06	KPC
7/1/2002				794476.8			2002	7	Apr06	KPC
8/1/2002				1073806			2002	8	Apr06	KPC
9/1/2002				-21765.73			2002	9	Apr06	KPC
10/1/2002				-929719.4			2002	10	Apr06	KPC
11/1/2002				220196.4			2002	11	Apr06	KPC
12/1/2002				173985.8			2002	12	Apr06	KPC
1/1/2003				-186345.4			2003	1	Apr06	KPC
2/1/2003				-880214.1			2003	2	Apr06	KPC
3/1/2003				-1419883			2003	3	Apr06	KPC
4/1/2003				45455.37			2003	4	Apr06	KPC
5/1/2003				-120650.5			2003	5	Apr06	KPC
6/1/2003				1485327			2003	6	Apr06	KPC
7/1/2003				-285216.3			2003	7	Apr06	KPC
8/1/2003				304983			2003	8	Apr06	KPC
9/1/2003				677498.7			2003	9	Apr06	KPC
10/1/2003				-126890.7			2003	10	Apr06	KPC
11/1/2003				191292.4			2003	11	Apr06	KPC
12/1/2003				-32558.97			2003	12	Apr06	KPC
1/1/2004				463933.2			2004	1	Apr06	KPC
2/1/2004				-532305.1			2004	2	Apr06	KPC
3/1/2004				-895066.9			2004	3	Apr06	KPC
4/1/2004				1583813			2004	4	Apr06	KPC
5/1/2004				-774346.6			2004	5	Apr06	KPC
6/1/2004				105277.8			2004	6	Apr06	KPC
7/1/2004				-59538.73			2004	7	Apr06	KPC
8/1/2004				874890.1			2004	8	Apr06	KPC
9/1/2004				-178162.6			2004	9	Apr06	KPC
10/1/2004				555032.5			2004	10	Apr06	KPC
11/1/2004				-211177.9			2004	11	Apr06	KPC
12/1/2004				-1185303			2004	12	Apr06	KPC
1/1/2005				111478.6			2005	1	Apr06	KPC
2/1/2005				795007.7			2005	2	Apr06	KPC

KPC\_LL\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
3/1/2005				462379.6			2005	3	Apr06	KPC
4/1/2005				-39792.48			2005	4	Apr06	KPC
5/1/2005				128262.7			2005	5	Apr06	KPC
6/1/2005				-584348.5			2005	6	Apr06	KPC
7/1/2005				-104276.2			2005	7	Apr06	KPC
8/1/2005				-227350.3			2005	8	Apr06	KPC
9/1/2005				-275860.2			2005	9	Apr06	KPC
10/1/2005				-658132.3			2005	10	Apr06	KPC
11/1/2005				-793638.6			2005	11	Apr06	KPC
12/1/2005				236118.2			2005	12	Apr06	KPC
1/1/2006				-197617.9			2006	1	Apr06	KPC
2/1/2006				-928828.6			2006	2	Apr06	KPC
3/1/2006				792533.2			2006	3	Apr06	KPC
4/1/2006				-448219.2			2006	4	Apr06	KPC
5/1/2006				-666780.6			2006	5	Apr06	KPC
6/1/2006				1277550			2006	6	Apr06	KPC
7/1/2006				212621			2006	7	Apr06	KPC
8/1/2006				33661.61			2006	8	Apr06	KPC
9/1/2006				187136.4			2006	9	Apr06	KPC
10/1/2006				-302192.8			2006	10	Apr06	KPC
11/1/2006				100212.4			2006	11	Apr06	KPC
12/1/2006				667111.2			2006	12	Apr06	KPC
1/1/2007				-528849.7			2007	1	Apr06	KPC
2/1/2007				428689.7			2007	2	Apr06	KPC
3/1/2007				-24880.25			2007	3	Apr06	KPC
4/1/2007				-100633.1			2007	4	Apr06	KPC
5/1/2007				590346.7			2007	5	Apr06	KPC
6/1/2007				-625471.6			2007	6	Apr06	KPC
7/1/2007				-377817.7			2007	7	Apr06	KPC
8/1/2007				120720.5			2007	8	Apr06	KPC
9/1/2007				32551.55			2007	9	Apr06	KPC
10/1/2007				1631598			2007	10	Apr06	KPC
11/1/2007				2103019			2007	11	Apr06	KPC
12/1/2007				-1499911			2007	12	Apr06	KPC
1/1/2008				653251.1			2008	1	Apr06	KPC
2/1/2008				865165.4			2008	2	Apr06	KPC

KPC\_Li\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
3/1/2008				-877808			2008	3	Apr06	KPC
4/1/2008				139525.3			2008	4	Apr06	KPC
5/1/2008				995590.1			2008	5	Apr06	KPC
6/1/2008				-1136992			2008	6	Apr06	KPC
7/1/2008				-367172.9			2008	7	Apr06	KPC
8/1/2008				-746841.7			2008	8	Apr06	KPC
9/1/2008				299150.7			2008	9	Apr06	KPC
10/1/2008				284985.5			2008	10	Apr06	KPC
11/1/2008				-104827.3			2008	11	Apr06	KPC
12/1/2008				842793.5			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
2/1/2011							2011	2	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
3/1/2011							2011	3	Apr06	KPC
4/1/2011							2011	4	Apr06	KPC
5/1/2011							2011	5	Apr06	KPC
6/1/2011							2011	6	Apr06	KPC
7/1/2011							2011	7	Apr06	KPC
10/1/1996							1996	10	Apr06	KPC
11/1/1996							1996	11	Apr06	KPC
11/1/1997							1997	11	Apr06	KPC
12/1/1997							1997	12	Apr06	KPC
1/1/1998							1998	1	Apr06	KPC
5/1/1998							1998	5	Apr06	KPC
6/1/1998							1998	6	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999				-665051.6			1999	7	Apr06	KPC
8/1/1999				525273.5			1999	8	Apr06	KPC
9/1/1999				72838.01			1999	9	Apr06	KPC
10/1/1999				316693.2			1999	10	Apr06	KPC
11/1/1999				1741842			1999	11	Apr06	KPC
12/1/1999				1988885			1999	12	Apr06	KPC
1/1/2000				-543964.6			2000	1	Apr06	KPC
2/1/2000				-670679.8			2000	2	Apr06	KPC
3/1/2000				-174261.2			2000	3	Apr06	KPC
4/1/2000				593506.5			2000	4	Apr06	KPC
5/1/2000				187690.7			2000	5	Apr06	KPC
6/1/2000				-283175.5			2000	6	Apr06	KPC
7/1/2000				-936912.4			2000	7	Apr06	KPC
8/1/2000				-807818.6			2000	8	Apr06	KPC
9/1/2000				-264043.8			2000	9	Apr06	KPC
10/1/2000				164757.4			2000	10	Apr06	KPC
11/1/2000				252717.7			2000	11	Apr06	KPC
12/1/2000				583737.5			2000	12	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2001				-1496404			2001	1	Apr06	KPC
2/1/2001				-233857			2001	2	Apr06	KPC
3/1/2001				769929.7			2001	3	Apr06	KPC
4/1/2001				-281723.9			2001	4	Apr06	KPC
5/1/2001				-420280.5			2001	5	Apr06	KPC
6/1/2001				-223372.9			2001	6	Apr06	KPC
7/1/2001				-953359.3			2001	7	Apr06	KPC
8/1/2001				482176			2001	8	Apr06	KPC
9/1/2001				-1014477			2001	9	Apr06	KPC
10/1/2001				-512283.1			2001	10	Apr06	KPC
11/1/2001				322945.9			2001	11	Apr06	KPC
12/1/2001				-338090.6			2001	12	Apr06	KPC
1/1/2002				-195529.5			2002	1	Apr06	KPC
2/1/2002				406349.2			2002	2	Apr06	KPC
3/1/2002				-81627.07			2002	3	Apr06	KPC
4/1/2002				-51898			2002	4	Apr06	KPC
5/1/2002				194571.3			2002	5	Apr06	KPC
6/1/2002				385427.4			2002	6	Apr06	KPC
7/1/2002				483725.2			2002	7	Apr06	KPC
8/1/2002				-844357.9			2002	8	Apr06	KPC
9/1/2002				279983.6			2002	9	Apr06	KPC
10/1/2002				561500.6			2002	10	Apr06	KPC
11/1/2002				120820.6			2002	11	Apr06	KPC
12/1/2002				203993.4			2002	12	Apr06	KPC
1/1/2003				71284.95			2003	1	Apr06	KPC
2/1/2003				-344696.9			2003	2	Apr06	KPC
3/1/2003				-253829			2003	3	Apr06	KPC
4/1/2003				272826.7			2003	4	Apr06	KPC
5/1/2003				134090.2			2003	5	Apr06	KPC
6/1/2003				-262545.1			2003	6	Apr06	KPC
7/1/2003				9083.895			2003	7	Apr06	KPC
8/1/2003				265134.2			2003	8	Apr06	KPC
9/1/2003				398894.1			2003	9	Apr06	KPC
10/1/2003				49926.85			2003	10	Apr06	KPC
11/1/2003				790154			2003	11	Apr06	KPC
12/1/2003				-815145			2003	12	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2004				100471.1				2004	1 Apr06	KPC
2/1/2004				569764.1				2004	2 Apr06	KPC
3/1/2004				1111327				2004	3 Apr06	KPC
4/1/2004				183751.4				2004	4 Apr06	KPC
5/1/2004				9798.184				2004	5 Apr06	KPC
6/1/2004				-522081.9				2004	6 Apr06	KPC
7/1/2004				306995.3				2004	7 Apr06	KPC
8/1/2004				-251227.5				2004	8 Apr06	KPC
9/1/2004				-665347.4				2004	9 Apr06	KPC
10/1/2004				385864.1				2004	10 Apr06	KPC
11/1/2004				133150.9				2004	11 Apr06	KPC
12/1/2004				225287.6				2004	12 Apr06	KPC
1/1/2005				1028215				2005	1 Apr06	KPC
2/1/2005				55739.62				2005	2 Apr06	KPC
3/1/2005				114775.4				2005	3 Apr06	KPC
4/1/2005				-24333.61				2005	4 Apr06	KPC
5/1/2005				-212994.6				2005	5 Apr06	KPC
6/1/2005				-694246.9				2005	6 Apr06	KPC
7/1/2005				-136376				2005	7 Apr06	KPC
8/1/2005				-525759.3				2005	8 Apr06	KPC
9/1/2005				225198				2005	9 Apr06	KPC
10/1/2005				-181946.2				2005	10 Apr06	KPC
11/1/2005				453962.4				2005	11 Apr06	KPC
12/1/2005				613426.7				2005	12 Apr06	KPC
1/1/2006				181552.5				2006	1 Apr06	KPC
2/1/2006				-721944.9				2006	2 Apr06	KPC
3/1/2006				-160636.7				2006	3 Apr06	KPC
4/1/2006				66678.84				2006	4 Apr06	KPC
5/1/2006				-280743.7				2006	5 Apr06	KPC
6/1/2006				804683.1				2006	6 Apr06	KPC
7/1/2006				-443568				2006	7 Apr06	KPC
8/1/2006				-92434.37				2008	8 Apr06	KPC
9/1/2006				1203924				2006	9 Apr06	KPC
10/1/2006				145299.3				2006	10 Apr06	KPC
11/1/2006				88602.85				2006	11 Apr06	KPC
12/1/2006				107188.3				2006	12 Apr06	KPC



KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2007				-258742.6			2007	1	Apr06	KPC
2/1/2007				396256.1			2007	2	Apr06	KPC
3/1/2007				-704017.7			2007	3	Apr06	KPC
4/1/2007				-98946.24			2007	4	Apr06	KPC
5/1/2007				1175488			2007	5	Apr06	KPC
6/1/2007				-491302.3			2007	6	Apr06	KPC
7/1/2007				-102691.3			2007	7	Apr06	KPC
8/1/2007				217377.6			2007	8	Apr06	KPC
9/1/2007				-355630.7			2007	9	Apr06	KPC
10/1/2007				-783256.9			2007	10	Apr06	KPC
11/1/2007				-390485.7			2007	11	Apr06	KPC
12/1/2007				-208662.8			2007	12	Apr06	KPC
1/1/2008				-167406.2			2008	1	Apr06	KPC
2/1/2008				318770.3			2008	2	Apr06	KPC
3/1/2008				-268203.6			2008	3	Apr06	KPC
4/1/2008				1067648			2008	4	Apr06	KPC
5/1/2008				-147616.9			2008	5	Apr06	KPC
6/1/2008				-144033.7			2008	6	Apr06	KPC
7/1/2008				754741.7			2008	7	Apr06	KPC
8/1/2008				-173136.5			2008	8	Apr06	KPC
9/1/2008				-24487.23			2008	9	Apr06	KPC
10/1/2008				341948.4			2008	10	Apr06	KPC
11/1/2008				-128035.4			2008	11	Apr06	KPC
12/1/2008				403536			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
8/1/2001							2001	8	Apr06	KPC
9/1/2001							2001	9	Apr06	KPC
10/1/2001							2001	10	Apr06	KPC
11/1/2001							2001	11	Apr06	KPC
12/1/2001							2001	12	Apr06	KPC
1/1/2002							2002	1	Apr06	KPC
2/1/2002							2002	2	Apr06	KPC
3/1/2002							2002	3	Apr06	KPC
4/1/2002							2002	4	Apr06	KPC
5/1/2002							2002	5	Apr06	KPC
6/1/2002							2002	6	Apr06	KPC
7/1/2002							2002	7	Apr06	KPC
8/1/2002				3262828			2002	8	Apr06	KPC
9/1/2002				-270248.4			2002	9	Apr06	KPC
10/1/2002				-253760.1			2002	10	Apr06	KPC
11/1/2002				978951.2			2002	11	Apr06	KPC
12/1/2002				1056898			2002	12	Apr06	KPC
1/1/2003				-1452418			2003	1	Apr06	KPC
2/1/2003				-1172048			2003	2	Apr06	KPC
3/1/2003				541387.2			2003	3	Apr06	KPC
4/1/2003				-447557.1			2003	4	Apr06	KPC
5/1/2003				-370302.7			2003	5	Apr06	KPC
6/1/2003				631373.4			2003	6	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
7/1/2003				93862.09			2003	7	Apr06	KPC
8/1/2003				-602377.4			2003	8	Apr06	KPC
9/1/2003				472675.8			2003	9	Apr06	KPC
10/1/2003				718504.2			2003	10	Apr06	KPC
11/1/2003				173056.3			2003	11	Apr06	KPC
12/1/2003				-245009.3			2003	12	Apr06	KPC
1/1/2004				-472969.4			2004	1	Apr06	KPC
2/1/2004				804070.5			2004	2	Apr06	KPC
3/1/2004				263596			2004	3	Apr06	KPC
4/1/2004				171131.4			2004	4	Apr06	KPC
5/1/2004				723508.9			2004	5	Apr06	KPC
6/1/2004				-534957			2004	6	Apr06	KPC
7/1/2004				386557			2004	7	Apr06	KPC
8/1/2004				64648.78			2004	8	Apr06	KPC
9/1/2004				-473982.7			2004	9	Apr06	KPC
10/1/2004				349623.1			2004	10	Apr06	KPC
11/1/2004				-427653.7			2004	11	Apr06	KPC
12/1/2004				207504.7			2004	12	Apr06	KPC
1/1/2005				-704521.9			2005	1	Apr06	KPC
2/1/2005				1274452			2005	2	Apr06	KPC
3/1/2005				1272333			2005	3	Apr06	KPC
4/1/2005				27345			2005	4	Apr06	KPC
5/1/2005				-910838.6			2005	5	Apr06	KPC
6/1/2005				529504.7			2005	6	Apr06	KPC
7/1/2005				-956706.4			2005	7	Apr06	KPC
8/1/2005				-491942.3			2005	8	Apr06	KPC
9/1/2005				516149.9			2005	9	Apr06	KPC
10/1/2005				-597679.8			2005	10	Apr06	KPC
11/1/2005				-58034.58			2005	11	Apr06	KPC
12/1/2005				282110			2005	12	Apr06	KPC
1/1/2006				437675.4			2006	1	Apr06	KPC
2/1/2006				-1097996			2006	2	Apr06	KPC
3/1/2006				-515337			2006	3	Apr06	KPC
4/1/2006				75794.69			2006	4	Apr06	KPC
5/1/2006				616636.4			2006	5	Apr06	KPC
6/1/2006				-200706.4			2006	6	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
7/1/2006				-870679.8			2006	7	Apr06	KPC
8/1/2006				712426.2			2006	8	Apr06	KPC
9/1/2006				-465416.8			2006	9	Apr06	KPC
10/1/2006				19425.73			2006	10	Apr06	KPC
11/1/2006				-187627			2006	11	Apr06	KPC
12/1/2006				-992258.5			2006	12	Apr06	KPC
1/1/2007				-571152.5			2007	1	Apr06	KPC
2/1/2007				182452.8			2007	2	Apr06	KPC
3/1/2007				-963521.5			2007	3	Apr06	KPC
4/1/2007				-109705.1			2007	4	Apr06	KPC
5/1/2007				-425258.1			2007	5	Apr06	KPC
6/1/2007				-161652.8			2007	6	Apr06	KPC
7/1/2007				-78389.79			2007	7	Apr06	KPC
8/1/2007				-323205.8			2007	8	Apr06	KPC
9/1/2007				-223916.2			2007	9	Apr06	KPC
10/1/2007				-1009758			2007	10	Apr06	KPC
11/1/2007				-574099.8			2007	11	Apr06	KPC
12/1/2007				-756099.8			2007	12	Apr06	KPC
1/1/2008				382874.1			2008	1	Apr06	KPC
2/1/2008				-1239285			2008	2	Apr06	KPC
3/1/2008				214874.1			2008	3	Apr06	KPC
4/1/2008				-906231.9			2008	4	Apr06	KPC
5/1/2008				-381784			2008	5	Apr06	KPC
6/1/2008				-602836.8			2008	6	Apr06	KPC
7/1/2008				238452.8			2008	7	Apr06	KPC
8/1/2008				-155205.8			2008	8	Apr06	KPC
9/1/2008				-514968.9			2008	9	Apr06	KPC
10/1/2008				1005137			2008	10	Apr06	KPC
11/1/2008				336635.5			2008	11	Apr06	KPC
12/1/2008				499109.1			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
4/1/1998							1998	4	Apr06	KPC
5/1/1998							1998	5	Apr06	KPC
1/1/1999							1999	1	Apr06	KPC
2/1/1999							1999	2	Apr06	KPC
3/1/1999							1999	3	Apr06	KPC
4/1/1999							1999	4	Apr06	KPC
5/1/1999							1999	5	Apr06	KPC
6/1/1999							1999	6	Apr06	KPC
7/1/1999							1999	7	Apr06	KPC
8/1/1999							1999	8	Apr06	KPC
9/1/1999							1999	9	Apr06	KPC
10/1/1999							1999	10	Apr06	KPC
11/1/1999				-2492798			1999	11	Apr06	KPC
12/1/1999				-311028.4			1999	12	Apr06	KPC
1/1/2000				2246243			2000	1	Apr06	KPC
2/1/2000				1324596			2000	2	Apr06	KPC
3/1/2000				166769.1			2000	3	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	accno	year	month	type	JURIS
4/1/2000				2098710			2000	4	Apr06	KPC
5/1/2000				-2276845			2000	5	Apr06	KPC
6/1/2000				760739.3			2000	6	Apr06	KPC
7/1/2000				2411150			2000	7	Apr06	KPC
8/1/2000				245548.4			2000	8	Apr06	KPC
9/1/2000				-1371294			2000	9	Apr06	KPC
10/1/2000				1184985			2000	10	Apr06	KPC
11/1/2000				-2028580			2000	11	Apr06	KPC
12/1/2000				478789.9			2000	12	Apr06	KPC
1/1/2001				541022.7			2001	1	Apr06	KPC
2/1/2001				-147558			2001	2	Apr06	KPC
3/1/2001				1889079			2001	3	Apr06	KPC
4/1/2001				-325769.3			2001	4	Apr06	KPC
5/1/2001				2988047			2001	5	Apr06	KPC
6/1/2001				1095384			2001	6	Apr06	KPC
7/1/2001				1541427			2001	7	Apr06	KPC
8/1/2001				1047467			2001	8	Apr06	KPC
9/1/2001				998054.2			2001	9	Apr06	KPC
10/1/2001				-860722.4			2001	10	Apr06	KPC
11/1/2001				812724			2001	11	Apr06	KPC
12/1/2001				332832.4			2001	12	Apr06	KPC
1/1/2002				-208812			2002	1	Apr06	KPC
2/1/2002				2259392			2002	2	Apr06	KPC
3/1/2002				-1937668			2002	3	Apr06	KPC
4/1/2002				1764489			2002	4	Apr06	KPC
5/1/2002				1658234			2002	5	Apr06	KPC
6/1/2002				-619170.1			2002	6	Apr06	KPC
7/1/2002				631318.9			2002	7	Apr06	KPC
8/1/2002				933375			2002	8	Apr06	KPC
9/1/2002				-1529202			2002	9	Apr06	KPC
10/1/2002				1159206			2002	10	Apr06	KPC
11/1/2002				59088.91			2002	11	Apr06	KPC
12/1/2002				1016985			2002	12	Apr06	KPC
1/1/2003				1842793			2003	1	Apr06	KPC
2/1/2003				-55988.54			2003	2	Apr06	KPC
3/1/2003				1859857			2003	3	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
4/1/2003				-1656090			2003	4	Apr06	KPC
5/1/2003				-1190953			2003	5	Apr08	KPC
6/1/2003				-1460719			2003	6	Apr06	KPC
7/1/2003				-1759863			2003	7	Apr06	KPC
8/1/2003				658951.4			2003	8	Apr08	KPC
9/1/2003				268591.9			2003	9	Apr06	KPC
10/1/2003				695763.4			2003	10	Apr06	KPC
11/1/2003				-958181.5			2003	11	Apr06	KPC
12/1/2003				-724415.9			2003	12	Apr08	KPC
1/1/2004				914216			2004	1	Apr06	KPC
2/1/2004				58827.02			2004	2	Apr06	KPC
3/1/2004				625417.7			2004	3	Apr06	KPC
4/1/2004				305425.1			2004	4	Apr06	KPC
5/1/2004				-964019.2			2004	5	Apr06	KPC
6/1/2004				2073123			2004	6	Apr06	KPC
7/1/2004				-195566.4			2004	7	Apr06	KPC
8/1/2004				-660744.9			2004	8	Apr06	KPC
9/1/2004				1190552			2004	9	Apr06	KPC
10/1/2004				678718.6			2004	10	Apr08	KPC
11/1/2004				3353668			2004	11	Apr08	KPC
12/1/2004				-1157128			2004	12	Apr06	KPC
1/1/2005				-432786.2			2005	1	Apr06	KPC
2/1/2005				-433155.3			2005	2	Apr06	KPC
3/1/2005				-1462659			2005	3	Apr06	KPC
4/1/2005				1562121			2005	4	Apr06	KPC
5/1/2005				1254354			2005	5	Apr06	KPC
6/1/2005				753970.2			2005	6	Apr06	KPC
7/1/2005				-2417091			2005	7	Apr06	KPC
8/1/2005				-222433.6			2005	8	Apr06	KPC
9/1/2005				-1185901			2005	9	Apr06	KPC
10/1/2005				954379.7			2005	10	Apr06	KPC
11/1/2005				535076.4			2005	11	Apr06	KPC
12/1/2005				-391731.4			2005	12	Apr06	KPC
1/1/2006				-1559706			2006	1	Apr06	KPC
2/1/2006				-520918.6			2006	2	Apr06	KPC
3/1/2006				288906.9			2006	3	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
4/1/2006				-1083908			2006	4	Apr06	KPC
5/1/2006				-355889.4			2006	5	Apr06	KPC
6/1/2006				-2884644			2006	6	Apr06	KPC
7/1/2006				-1080507			2006	7	Apr06	KPC
8/1/2006				-1588034			2006	8	Apr06	KPC
9/1/2006				3075430			2006	9	Apr06	KPC
10/1/2006				-3502544			2006	10	Apr06	KPC
11/1/2006				-2643197			2006	11	Apr06	KPC
12/1/2006				562697.9			2006	12	Apr06	KPC
1/1/2007				-816529.7			2007	1	Apr06	KPC
2/1/2007				-2056054			2007	2	Apr06	KPC
3/1/2007				-2514792			2007	3	Apr06	KPC
4/1/2007				-1455073			2007	4	Apr06	KPC
5/1/2007				-2229337			2007	5	Apr06	KPC
6/1/2007				468054.9			2007	6	Apr06	KPC
7/1/2007				3797221			2007	7	Apr06	KPC
8/1/2007				-716266.1			2007	8	Apr06	KPC
9/1/2007				-2499638			2007	9	Apr06	KPC
10/1/2007				1114870			2007	10	Apr06	KPC
11/1/2007				791508.9			2007	11	Apr06	KPC
12/1/2007				-1716950			2007	12	Apr06	KPC
1/1/2008				223716.9			2008	1	Apr06	KPC
2/1/2008				280116.5			2008	2	Apr06	KPC
3/1/2008				745349.2			2008	3	Apr06	KPC
4/1/2008				1076792			2008	4	Apr06	KPC
5/1/2008				-1315551			2008	5	Apr06	KPC
6/1/2008				2620664			2008	6	Apr06	KPC
7/1/2008				394280.9			2008	7	Apr06	KPC
8/1/2008				334959.7			2008	8	Apr06	KPC
9/1/2008				-1890518			2008	9	Apr06	KPC
10/1/2008				21111.31			2008	10	Apr06	KPC
11/1/2008				-886217.8			2008	11	Apr06	KPC
12/1/2008				1192065			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC



KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC
12/1/2002							2002	12	Apr06	KPC
1/1/2003							2003	1	Apr06	KPC
2/1/2003							2003	2	Apr06	KPC
3/1/2003							2003	3	Apr06	KPC
4/1/2003							2003	4	Apr06	KPC
5/1/2003							2003	5	Apr06	KPC
6/1/2003							2003	6	Apr06	KPC
7/1/2003							2003	7	Apr06	KPC
8/1/2003							2003	8	Apr06	KPC
9/1/2003							2003	9	Apr06	KPC
10/1/2003							2003	10	Apr06	KPC
11/1/2003							2003	11	Apr06	KPC
12/1/2003							2003	12	Apr06	KPC
1/1/2004							2004	1	Apr06	KPC
				56344.26						
				384344.3						

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
2/1/2004				-230655.7			2004	2	Apr06	KPC
3/1/2004				315344.3			2004	3	Apr06	KPC
4/1/2004				385344.3			2004	4	Apr06	KPC
5/1/2004				-104855.7			2004	5	Apr06	KPC
6/1/2004				364344.3			2004	6	Apr06	KPC
7/1/2004				1120344			2004	7	Apr06	KPC
8/1/2004				203344.3			2004	8	Apr06	KPC
9/1/2004				-160655.7			2004	9	Apr06	KPC
10/1/2004				224344.3			2004	10	Apr06	KPC
11/1/2004				1085344			2004	11	Apr06	KPC
12/1/2004				315344.3			2004	12	Apr06	KPC
1/1/2005				322344.3			2005	1	Apr06	KPC
2/1/2005				336344.3			2005	2	Apr06	KPC
3/1/2005				-223655.7			2005	3	Apr06	KPC
4/1/2005				-1105656			2005	4	Apr06	KPC
5/1/2005				66844.26			2005	5	Apr06	KPC
6/1/2005				21344.26			2005	6	Apr06	KPC
7/1/2005				-76655.74			2005	7	Apr06	KPC
8/1/2005				203344.3			2005	8	Apr06	KPC
9/1/2005				105344.3			2005	9	Apr06	KPC
10/1/2005				344.2623			2005	10	Apr06	KPC
11/1/2005				-97655.74			2005	11	Apr06	KPC
12/1/2005				217344.3			2005	12	Apr06	KPC
1/1/2006				252344.3			2006	1	Apr06	KPC
2/1/2006				273344.3			2006	2	Apr06	KPC
3/1/2006				483344.3			2006	3	Apr06	KPC
4/1/2006				1904344			2006	4	Apr06	KPC
5/1/2006				66844.26			2006	5	Apr06	KPC
6/1/2006				28344.26			2006	6	Apr06	KPC
7/1/2006				161344.3			2006	7	Apr06	KPC
8/1/2006				-447655.7			2006	8	Apr06	KPC
9/1/2006				259344.3			2006	9	Apr06	KPC
10/1/2006				322344.3			2006	10	Apr06	KPC
11/1/2006				-1595656			2006	11	Apr06	KPC
12/1/2006				-2288656			2006	12	Apr06	KPC
1/1/2007				-2162656			2007	1	Apr06	KPC

KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
2/1/2007				-1938656			2007	2	Apr06	KPC
3/1/2007				-1420656			2007	3	Apr06	KPC
4/1/2007				-1581656			2007	4	Apr06	KPC
5/1/2007				-839655.7			2007	5	Apr06	KPC
6/1/2007				-440655.7			2007	6	Apr06	KPC
7/1/2007				-811655.7			2007	7	Apr06	KPC
8/1/2007				77344.26			2007	8	Apr06	KPC
9/1/2007				-615655.7			2007	9	Apr06	KPC
10/1/2007				-811655.7			2007	10	Apr06	KPC
11/1/2007				1036344			2007	11	Apr06	KPC
12/1/2007				497344.3			2007	12	Apr06	KPC
1/1/2008				686344.3			2008	1	Apr06	KPC
2/1/2008				1505344			2008	2	Apr06	KPC
3/1/2008				616344.3			2008	3	Apr06	KPC
4/1/2008				1162344			2008	4	Apr06	KPC
5/1/2008				210344.3			2008	5	Apr06	KPC
6/1/2008				406344.3			2008	6	Apr06	KPC
7/1/2008				252344.3			2008	7	Apr06	KPC
8/1/2008				49344.26			2008	8	Apr06	KPC
9/1/2008				56344.26			2008	9	Apr06	KPC
10/1/2008				91344.26			2008	10	Apr06	KPC
11/1/2008				371344.3			2008	11	Apr06	KPC
12/1/2008				476344.3			2008	12	Apr06	KPC
1/1/2009							2009	1	Apr06	KPC
2/1/2009							2009	2	Apr06	KPC
3/1/2009							2009	3	Apr06	KPC
4/1/2009							2009	4	Apr06	KPC
5/1/2009							2009	5	Apr06	KPC
6/1/2009							2009	6	Apr06	KPC
7/1/2009							2009	7	Apr06	KPC
8/1/2009							2009	8	Apr06	KPC
9/1/2009							2009	9	Apr06	KPC
10/1/2009							2009	10	Apr06	KPC
11/1/2009							2009	11	Apr06	KPC
12/1/2009							2009	12	Apr06	KPC
1/1/2010							2010	1	Apr06	KPC

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KPC\_LI\_Model\_Output

time	KWH	L95	U95	RESIDUAL	name	acctno	year	month	type	JURIS
2/1/2010							2010	2	Apr06	KPC
3/1/2010							2010	3	Apr06	KPC
4/1/2010							2010	4	Apr06	KPC
5/1/2010							2010	5	Apr06	KPC
6/1/2010							2010	6	Apr06	KPC
7/1/2010							2010	7	Apr06	KPC
8/1/2010							2010	8	Apr06	KPC
9/1/2010							2010	9	Apr06	KPC
10/1/2010							2010	10	Apr06	KPC
11/1/2010							2010	11	Apr06	KPC
12/1/2010							2010	12	Apr06	KPC
1/1/2011							2011	1	Apr06	KPC