

Exhibit No.:
Issue: Fuel Adjustment Clause
Witness: Linda J. Nunn
Type of Exhibit: Direct Testimony
Sponsoring Party: KCP&L Greater Missouri Operations Company
Case No.: ER-2014-____
Date Testimony Prepared: December 31, 2013

MISSOURI PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY

OF

LINDA J. NUNN

DIRECT TESTIMONY

OF

LINDA J. NUNN

Case No.

1 **Q: Please state your name and business address.**

2 A: My name is Linda J. Nunn. My business address is 1200 Main, Kansas City,
3 Missouri 64105.

4 **Q: By whom and in what capacity are you employed?**

5 A: I am employed by Kansas City Power & Light Company (“KCP&L”) as a
6 Supervisor, Regulatory Affairs.

7 **Q: What are your responsibilities?**

8 A: My general responsibilities include the preparation of rate cases and rate case
9 support for both KCP&L and KCP&L Greater Missouri Operations Company
10 (“Company” or “GMO”). I am responsible for most aspects of the GMO Fuel
11 Adjustment Clause (“FAC”) as well as the GMO Steam Quarterly Cost
12 Adjustment (“QCA”). I am also responsible for various regulatory reporting and
13 general activities as they relate to the Missouri Public Service Commission
14 (“MPSC” or “Commission”).

15 **Q: Please describe your education.**

16 A: I received a Bachelors of Science Degree in Business Administration with a
17 concentration in Accounting from Northwest Missouri State University in
18 Maryville, Missouri.

19 **Q: Please provide your work experience.**

1 A: I became a Senior Regulatory Analyst with KCP&L in 2008, as a part of the
2 acquisition of Aquila, Inc., by Great Plains Energy. In 2013 I was promoted to
3 Supervisor - Regulatory Affairs. Prior to my employment with KCP&L, I was
4 employed by Aquila, Inc. for a total of eleven years. In addition to Regulatory, I
5 have had experience in Accounting, Audit, and Business Services where I had
6 responsibility for guiding restructuring within the delivery division. In addition to
7 my utility experience I was the business manager and controller for two area
8 churches. Prior to that, I was an external auditor with Ernst & Whinney.

9 **Q: Have you previously testified in a proceeding before the MPSC or before any**
10 **other utility regulatory agency?**

11 A: I have provided written testimony in various filings made before the MPSC
12 relating to KCP&L GMO's FAC. I have also worked closely with many MPSC
13 Staff on numerous filings as well as on rate case issues.

14 **Q. What is the purpose of your testimony?**

15 A. The purpose of my testimony is to support the tenth true-up filing being made by
16 GMO under the provisions in 4 CSR 240-20.090(4) and (5) and the Company's
17 approved fuel and purchased power cost recovery mechanism.

18 **Q. What is the purpose of the true-up filing?**

19 A. The purpose of this true-up filing is to identify the amount over or under-
20 recovered from the tenth 12-month recovery period under the Company's FAC.

21 **Q. Please explain the FAC process, including the accumulation, filing, recovery**
22 **and true-up periods.**

1 A. Each FAC begins with an accumulation period which covers a six-month period
2 in which the costs of the fuel and purchased power components net of off system
3 sales revenues contained in the FAC are accumulated and compared to the base
4 energy costs that are in rates over that same time frame. The net of the costs
5 compared to the base energy costs in the current rates is the amount to be
6 recovered or returned to customers over the recovery period. After the
7 accumulation period, GMO files with the Commission the Cost Adjustment
8 Factor (“CAF”). The CAF is the rate that will be charged to customers over the
9 recovery period. Between the accumulation period until the beginning of the
10 recovery period is three months. The recovery period for GMO is twelve months.
11 After the recovery period, a true-up is filed which reflects all the activities and
12 summarizes the balances of the FAC. The balances will then be included in the
13 next CAF filing.

14 **Q. What was the timing of the accumulation and recovery relating to this true-**
15 **up?**

16 A. The accumulation period went from December 1, 2011 through May 31, 2012.
17 The recovery period for that accumulation was September 1, 2012 through August
18 31, 2013.

19 **Q. Why would there be a difference between the accumulated over or under-**
20 **recovery and the amount billed during the recovery period?**

21 A. The CAF is calculated based upon projected kWh sales for the recovery period.
22 Since the CAF is based upon a projected number, once actual sales are recorded, a

1 difference exists between the estimate and the actual kWh billed. This difference
2 will be “trued-up” in the next FAC filing.

3 **Q. What was the difference between what was accumulated, along with interest**
4 **and the amount billed through the recovery mechanism?**

5 A. For the GMO territory served as MPS, the FAC was over-collected by \$52,753.
6 For the GMO territory served as L&P, the FAC was under-collected by \$110,415.

7 **Q. What impact will this have on future FAC adjustment rate schedules filed?**

8 A. The true-up amount identified in this true-up filing will be included in the next
9 semi-annual FAC rate schedule filing. Since the Company’s tenth FAC recovery
10 period ended August 31, 2013, the above over and under-recoveries will be
11 included in the semi-annual filing to be made on or before January 1, 2014
12 covering the accumulation period of June 1, 2013 through November 30, 2013.

13 **Q. How did you develop the proposed true-up amounts that are being requested**
14 **in this filing?**

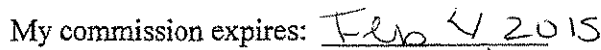
15 A. As indicated above, the true-up amount is the net of the accumulated expenditures
16 over or under the base FAC costs as set in rates during the accumulation period
17 plus interest and any adjustments, and the amount billed during the recovery
18 period. The details associated with this calculation are filed along with this
19 testimony in Schedule LJN – Schedule 1. This schedule contains a summary and
20 all supporting work papers for the calculation.

21 **Q. What action is the Company requesting from the Commission with respect to**
22 **this true-up filing?**

1 A. As provided by 4 C.S.R. 240-20.090(5), a true-up filing is required at least
2 annually. Pursuant to the Company's FAC tariff, the amount of the true-up will
3 be included in the next accumulation period. The Company requests that the
4 Commission approve the amount to be included in the next accumulation period
5 which will cover the six months ended November 30, 2013.

6 **Q. Does this conclude your testimony?**

7 A. Yes, it does.



**Information Required By
4 CSR 240-3.161 (8)
Annual True-up of FAC for KCP&L GMO - MPS and L&P
Summary**

Accumulation Period: December 1, 2011 through May 31, 2012
Recovery Period: September 1, 2012 through August 31, 2013

MPS

Accumulation	\$ (1,914,969)
7th True-up Over Recovery	(81,390)
Interest Filed	199,501
Recovery	1,744,106
Proposed Adjustment for Over Recovery	\$ (52,753)

L&P

Accumulation	\$ 210,526
7th True-up Over Recovery	(16,678)
Interest Filed	127,746
Recovery	(211,179)
Proposed Adjustment for Under Recovery	\$ 110,415

Short-Term Borrowing Rate:

	Annual	Monthly
Dec-11	2.29%	0.19%
Jan-12	2.03%	0.17%
Feb-12	2.00%	0.17%
Mar-12	1.99%	0.17%
Apr-12	1.99%	0.17%
May-12	1.99%	0.17%

Accumulation

MPS

	Residential	Commercial	Industrial	Streetlights	Gov't-Other	Total Retail	Wholesale	Total
Dec-11	\$ (400,729)	\$ (251,238)	\$ (82,122)	\$ (2,785)	\$ (49,017)	\$ (785,891)	\$ (4,222)	\$ (790,113)
Jan-12	(154,462)	(94,383)	(31,823)	(1,018)	(18,063)	(299,749)	(1,740)	(301,489)
Feb-12	(111,965)	(77,451)	(30,936)	(899)	(15,919)	(237,170)	(1,447)	(238,617)
Mar-12	(256,203)	(213,084)	(77,927)	(2,535)	(40,908)	(590,657)	(2,936)	(593,593)
Apr-12	(189,607)	(214,825)	(80,895)	(2,441)	(42,745)	(530,513)	(2,731)	(533,244)
May-12	211,992	197,997	75,977	2,172	40,873	529,011	2,281	531,292
Total	\$ (900,974)	\$ (652,983)	\$ (227,727)	\$ (7,506)	\$ (125,779)	\$ (1,914,969)	\$ (10,795)	\$ (1,925,764)

		Secondary	Primary	
NSI by Voltage	2,982,791,000	2,590,761,279	392,029,721	
Secondary/Primary Distribution		86.86%	13.14%	
Accumulation by Voltage		\$ (1,672,660)	\$ (253,104)	\$ (1,925,764)

Base Energy by Voltage Level Dec 10-May 11:

CIS+ Secondary Customers	2,382,033,443
CIS+ Primary Customers - MO716	183,934
CIS+ Primary Customers - MO725	25,040,261
CIS+ Primary Customers - MO735	313,786,086
CIS+ Primary Customers - MO737	<u>9,776,500</u>

Total CIS+	2,730,820,224
Other kWh (unbilled, co use, losses)	237,373,505
Total Wholesale Billings (Primary)	<u>14,597,271</u>
Total kwh	2,982,791,000

MPS
FAC Balance By Recovery Period Interest Calculation

MOPUB
FAC BALANCE BY RECOVERY PI

Apr-13 May-13 Jun-13 Jul-13 Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14

C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance

Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance

Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance
Remand Ordered
Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

Apr-13 May-13 Jun-13 Jul-13 Aug-13
C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance
Remand Ordered
Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

Apr-13 May-13 Jun-13 Jul-13 Recovery Period Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14
C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance
Remand Ordered
Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

Apr-13 May-13 Jun-13 Filing and Approval Jul-13 Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Recovery Period Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14
C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
CUMM (Over)/Under Balance
Remand Ordered
Monthly STD rate
C/M Accrued interest (P/M Bal)
CUMM Accrued Interest Balance
Annual True-up

Accumulation period Filing and Approval Recovery Period

MPS Recovery

Total	Recovery												Total
	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Recovered
Residential	76,772	49,904	51,530	62,103	82,644	69,728	71,084	60,620	52,584	58,668	84,592	81,901	802,130
Commercial	56,571	49,310	45,852	47,666	51,396	47,042	47,461	48,032	47,538	53,038	59,530	57,975	611,411
Industrial	18,183	17,101	17,178	16,053	16,362	15,761	16,092	16,815	16,793	17,652	19,557	19,275	206,822
Gov't-Other	11,889	10,535	9,444	9,577	10,363	9,422	9,521	9,856	9,740	10,355	11,759	11,283	123,744
Total	163,415	126,849	124,004	135,399	160,765	141,953	144,158	135,324	126,655	139,713	175,438	170,433	1,744,106

Primary voltage

Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	4,845	4,481	4,339	4,375	4,622	4,258	4,633	4,837	4,709	5,111	5,678	5,299	57,187
Industrial	11,908	11,252	11,524	10,585	11,006	10,443	10,700	11,173	11,101	12,225	12,381	12,890	137,187
Gov't-Other	3,762	3,154	2,744	2,694	2,888	2,645	2,527	2,696	2,907	3,314	4,184	3,627	37,141
Total	20,515	18,887	18,606	17,655	18,516	17,346	17,860	18,705	18,717	20,650	22,243	21,817	231,516

Current Period CAF	(0.0003)	Current Period CAF	0.0015
Previous Period CAF	0.0021	Previous Period CAF	(0.0003)
Annual CAF	0.0018	Annual CAF	0.0012
Previous Period CAF %	-16.6666667%	Previous Period CAF %	-25.0000000%

Total Primary before recovery period split

Commercial	(29,069)	(26,883)	(26,034)	(26,251)	(27,735)	(25,547)	(18,531)	(19,347)	(18,838)	(20,445)	(22,714)	(21,196)	(282,589)
Industrial	(71,446)	(67,513)	(69,143)	(63,511)	(66,035)	(62,657)	(42,800)	(44,691)	(44,406)	(48,899)	(49,522)	(51,562)	(682,185)
Gov't-Other	(22,572)	(18,922)	(16,461)	(16,166)	(17,328)	(15,871)	(10,109)	(10,782)	(11,626)	(13,254)	(16,737)	(14,509)	(184,339)
Total	(123,087)	(113,319)	(111,638)	(105,927)	(111,098)	(104,074)	(71,440)	(74,820)	(74,870)	(82,599)	(88,973)	(87,267)	(1,149,113)

Secondary voltage

Residential	76,772	49,904	51,530	62,103	82,644	69,728	71,084	60,620	52,584	58,668	84,592	81,901	392,682
Commercial	51,726	44,829	41,513	43,291	46,773	42,784	42,829	43,196	42,829	47,927	53,852	52,676	270,917
Industrial	6,275	5,849	5,654	5,467	5,356	5,318	5,392	5,642	5,692	5,427	7,177	6,384	33,920
Gov't-Other	8,127	7,381	6,701	6,882	7,475	6,777	6,994	7,161	6,833	7,042	7,575	7,656	43,343
Total	142,901	107,963	105,398	117,744	142,248	124,607	126,298	116,619	107,938	119,064	153,195	148,616	1,512,589

Current Period CAF	(0.0003)	Current Period CAF	0.0015
Previous Period CAF	0.0021	Previous Period CAF	(0.0003)
Annual CAF	0.0018	Annual CAF	0.0012
Previous Period CAF %	-16.6666667%	Previous Period CAF %	-25.0000000%

Accumulation

L&P

	Residential	Commercial	Industrial	Streetlights	Gov't-Other	Total Retail
Dec-11	\$ 146,681	\$ 104,179	\$ 83,976	\$ 1,606	\$ -	\$ 336,443
Jan-12	(75,151)	(57,589)	(43,532)	(793)	-	(177,065)
Feb-12	2,397	2,025	1,664	29	-	6,115
Mar-12	(37,673)	(37,494)	(30,725)	(566)	-	(106,458)
Apr-12	13,765	23,792	21,883	375	-	59,815
May-12	25,790	34,513	30,878	495	-	91,676
Total	\$ 75,811	\$ 69,425	\$ 64,144	\$ 1,146	\$ -	\$ 210,526

	Secondary	Primary	
NSI by Voltage	955,954,613	147,460,377	
Secondary/Primary Distribution	86.64%	13.36%	
Accumulation by Voltage	182,391	28,135	210,526

Base Energy by Voltage Level:

CIS+ Secondary Customers	895,579,031
CIS+ Primary Customers - MO938	3,701,718
CIS+ Primary Customers - MO939	217,621
CIS+ Primary Customers - MO945	67,064,318
CIS+ Primary Customers - MO946	34,175,328
CIS+ Primary Customers - MO947	32,967,153
Total CIS+ (CS5005Y)	1,033,705,169
Other kWh (unbilled, co use, losses)	69,709,821
Total kwh	1,103,414,990

ST. JOSEPH LIGHT&POWER FAC BALANCE BY RECOVERY P	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
	Recovery Period																		
	Dec-11	Jan-12	Feb-12																
C/M (Over)/Under Accrued																			
C/M (Over)/Under Recovery	165,489	170,595	166,583																
CUMM (Over)/Under Balance	320,500.20	149,904.82	(16,678.04)																
Monthly STD rate																			
C/M Accrued Interest																			
CUMM Accrued Interest Balance																			
Annual True-up																			
	Dec-11	Jan-12	Feb-12	Mar-12	Recovery Period			Jun-12	Jul-12	Aug-12									
					Apr-12	May-12													
C/M (Over)/Under Accrued																			
C/M (Over)/Under Recovery	335,460.79	345,974.23	337,951.41	313,405	269,680	258,123	343,057	386,305	369,435										
CUMM (Over)/Under Balance	2,625,999.03	2,280,024.80	1,942,073.39	1,628,668.76	1,358,989.09	1,100,865.98	757,809.38	371,504.46	2,069.95										
Monthly STD rate																			
C/M Accrued Interest																			
CUMM Accrued Interest Balance																			
Annual True-up																			
	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13				
C/M (Over)/Under Accrued																			
C/M (Over)/Under Recovery				813,607.97	699,339.97	669,965.46	889,575.98	1,003,466.61	959,215.75	818,671	735,530	750,688	800,855	956,544	869,309				
CUMM (Over)/Under Balance	10,324,411.54	10,324,411.54	10,324,411.54	9,510,803.58	8,811,463.60	8,141,498.14	7,251,922.16	6,248,455.55	5,289,239.80	4,470,568.59	3,735,038.22	2,984,350.60	2,183,495.98	1,226,951.93	357,642.54				
Remand Ordered																			
Monthly STD rate																			
C/M Accrued Interest																			
CUMM Accrued Interest Balance																			
Annual True-up																			
	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
C/M (Over)/Under Accrued																			
C/M (Over)/Under Recovery																			
CUMM (Over)/Under Balance	336,442.98	(177,065.15)	6,114.63	(106,457.70)	59,814.92	91,676.49													
Remand Ordered																			
Monthly STD rate																			
C/M Accrued Interest	0.19%	0.17%	0.17%	0.17%	0.17%	0.17%													
CUMM Accrued Interest Balance	27,036.23	23,019.11																	

ST. JOSEPH LIGHT&POWER
FAC BALANCE BY RECOVERY P

C/M (Over)/Under Accrued
C/M (Over)/Under Recovery
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Monthly STD rate
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L&P Recovery

Total	Recovery												Total
	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Recovered
Residential	(5,903)	(4,298)	(5,003)	(6,479)	(8,810)	(7,499)	(7,399)	(6,112)	(4,998)	(4,719)	(6,653)	(6,346)	(74,221)
Commercial	(6,420)	(5,801)	(5,744)	(5,712)	(6,512)	(6,115)	(5,968)	(5,938)	(5,822)	(6,154)	(6,784)	(6,656)	(73,625)
Industrial	(5,122)	(5,571)	(5,246)	(4,857)	(5,045)	(4,945)	(4,952)	(5,098)	(4,976)	(5,374)	(5,403)	(5,627)	(62,214)
Gov't-Other	(87)	(88)	(89)	(90)	(89)	(39)	(155)	(136)	(87)	(86)	(85)	(86)	(1,118)
Total	(17,531)	(15,758)	(16,081)	(17,138)	(20,456)	(18,599)	(18,473)	(17,284)	(15,883)	(16,334)	(18,926)	(18,715)	(211,179)

Primary voltage

Residential													-
Commercial	(1,171)	(1,028)	(1,019)	(914)	(982)	(1,047)	(981)	(1,006)	(929)	(1,017)	(1,094)	(1,088)	(12,276)
Industrial	(1,475)	(1,524)	(1,549)	(1,401)	(1,452)	(1,375)	(1,473)	(1,512)	(1,453)	(1,478)	(1,640)	(1,588)	(17,918)
Gov't-Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	(2,645)	(2,552)	(2,568)	(2,314)	(2,434)	(2,422)	(2,454)	(2,517)	(2,382)	(2,495)	(2,734)	(2,676)	(30,193)

Current Period CAF	0.0001	Current Period CAF	0.0017
Previous Period CAF	0.0045	Previous Period CAF	0.0001
Annual CAF	0.0046	Annual CAF	0.0018
Previous Period CAF %	2.1739130%	Previous Period CAF %	5.5555556%

Total Primary before recovery period split

Commercial	(53,845)	(47,286)	(46,867)	(42,034)	(45,185)	(48,166)	(17,655)	(18,099)	(16,729)	(18,313)	(19,684)	(19,591)	(393,453)
Industrial	(67,848)	(70,084)	(71,249)	(64,432)	(66,776)	(63,247)	(26,521)	(27,211)	(26,148)	(26,599)	(29,519)	(28,576)	(568,211)
Gov't-Other													-
Total	(121,693)	(117,369)	(118,116)	(106,467)	(111,961)	(111,413)	(44,176)	(45,311)	(42,877)	(44,912)	(49,203)	(48,167)	(961,664)

Secondary voltage

Residential	(5,903)	(4,298)	(5,003)	(6,479)	(8,810)	(7,499)	(7,399)	(6,112)	(4,998)	(4,719)	(6,653)	(6,346)	(37,993)
Commercial	(5,250)	(4,773)	(4,725)	(4,798)	(5,530)	(5,068)	(4,987)	(4,932)	(4,893)	(5,136)	(5,691)	(5,568)	(30,142)
Industrial	(3,647)	(4,048)	(3,697)	(3,457)	(3,593)	(3,570)	(3,478)	(3,586)	(3,523)	(3,897)	(3,763)	(4,039)	(22,011)
Gov't-Other	(87)	(88)	(89)	(90)	(89)	(39)	(155)	(136)	(87)	(86)	(85)	(86)	(481)
Total	(14,886)	(13,207)	(13,514)	(14,823)	(18,022)	(16,177)	(16,019)	(14,766)	(13,501)	(13,839)	(16,192)	(16,039)	(180,985)

Current Period CAF	0.0001	Current Period CAF	0.0017
Previous Period CAF	0.0047	Previous Period CAF	0.0001
Annual CAF	0.0048	Annual CAF	0.0018
Previous Period CAF %	2.0833333%	Previous Period CAF %	5.5555556%

Short Term Debt Rate

		Revolver Size		\$ 400,000,000	
		Tenor (years)		3	
Day	Date	One Month LIBOR	Applicable Margin	Upfront Fees	Daily Rate
Thursday	December 1, 2011	0.2714%	2.75%	0.0000	3.0214%
Friday	December 2, 2011	0.2703%	2.75%	0.0000	3.0203%
Saturday	December 3, 2011	0.2703%	2.75%	0.0000	3.0203%
Sunday	December 4, 2011	0.2703%	2.75%	0.0000	3.0203%
Monday	December 5, 2011	0.2741%	2.75%	0.0000	3.0241%
Tuesday	December 6, 2011	0.2751%	2.75%	0.0000	3.0251%
Wednesday	December 7, 2011	0.2763%	2.75%	0.0000	3.0263%
Thursday	December 8, 2011	0.2763%	2.75%	0.0000	3.0263%
Friday	December 9, 2011	0.2766%	1.75%	0.0000	2.0266%
Saturday	December 10, 2011	0.2766%	1.75%	0.0000	2.0266%
Sunday	December 11, 2011	0.2766%	1.75%	0.0000	2.0266%
Monday	December 12, 2011	0.2776%	1.75%	0.0000	2.0276%
Tuesday	December 13, 2011	0.2783%	1.75%	0.0000	2.0283%
Wednesday	December 14, 2011	0.2826%	1.75%	0.0000	2.0326%
Thursday	December 15, 2011	0.2846%	1.75%	0.0000	2.0346%
Friday	December 16, 2011	0.2849%	1.75%	0.0000	2.0349%
Saturday	December 17, 2011	0.2849%	1.75%	0.0000	2.0349%
Sunday	December 18, 2011	0.2849%	1.75%	0.0000	2.0349%
Monday	December 19, 2011	0.2874%	1.75%	0.0000	2.0374%
Tuesday	December 20, 2011	0.2906%	1.75%	0.0000	2.0406%
Wednesday	December 21, 2011	0.2919%	1.75%	0.0000	2.0419%
Thursday	December 22, 2011	0.2936%	1.75%	0.0000	2.0436%
Friday	December 23, 2011	0.2940%	1.75%	0.0000	2.0440%
Saturday	December 24, 2011	0.2940%	1.75%	0.0000	2.0440%
Sunday	December 25, 2011	0.2940%	1.75%	0.0000	2.0440%
Monday	December 26, 2011	0.2940%	1.75%	0.0000	2.0440%
Tuesday	December 27, 2011	0.2940%	1.75%	0.0000	2.0440%
Wednesday	December 28, 2011	0.2963%	1.75%	0.0000	2.0463%
Thursday	December 29, 2011	0.2953%	1.75%	0.0000	2.0453%
Friday	December 30, 2011	0.2953%	1.75%	0.0000	2.0453%
Saturday	December 31, 2011	0.2953%	1.75%	0.0000	2.0453%
					AVERAGE 2.2922
Sunday	January 1, 2012	0.2953%	1.75%	0.0000	2.0453%
Monday	January 2, 2012	0.2953%	1.75%	0.0000	2.0453%
Tuesday	January 3, 2012	0.2953%	1.75%	0.0000	2.0453%
Wednesday	January 4, 2012	0.2953%	1.75%	0.0000	2.0453%
Thursday	January 5, 2012	0.2953%	1.75%	0.0000	2.0453%
Friday	January 6, 2012	0.2963%	1.75%	0.0000	2.0463%
Saturday	January 7, 2012	0.2963%	1.75%	0.0000	2.0463%
Sunday	January 8, 2012	0.2963%	1.75%	0.0000	2.0463%
Monday	January 9, 2012	0.2963%	1.75%	0.0000	2.0463%
Tuesday	January 10, 2012	0.2958%	1.75%	0.0000	2.0458%
Wednesday	January 11, 2012	0.2947%	1.75%	0.0000	2.0447%
Thursday	January 12, 2012	0.2896%	1.75%	0.0000	2.0396%
Friday	January 13, 2012	0.2851%	1.75%	0.0000	2.0351%
Saturday	January 14, 2012	0.2851%	1.75%	0.0000	2.0351%
Sunday	January 15, 2012	0.2851%	1.75%	0.0000	2.0351%
Monday	January 16, 2012	0.2816%	1.75%	0.0000	2.0316%
Tuesday	January 17, 2012	0.2810%	1.75%	0.0000	2.0310%
Wednesday	January 18, 2012	0.2809%	1.75%	0.0000	2.0309%
Thursday	January 19, 2012	0.2789%	1.75%	0.0000	2.0289%
Friday	January 20, 2012	0.2773%	1.75%	0.0000	2.0273%
Saturday	January 21, 2012	0.2773%	1.75%	0.0000	2.0273%
Sunday	January 22, 2012	0.2773%	1.75%	0.0000	2.0273%
Monday	January 23, 2012	0.2763%	1.75%	0.0000	2.0263%
Tuesday	January 24, 2012	0.2753%	1.75%	0.0000	2.0253%
Wednesday	January 25, 2012	0.2728%	1.75%	0.0000	2.0228%
Thursday	January 26, 2012	0.2705%	1.75%	0.0000	2.0205%
Friday	January 27, 2012	0.2700%	1.75%	0.0000	2.0200%
Saturday	January 28, 2012	0.2700%	1.75%	0.0000	2.0200%

Short Term Debt Rate

Sunday	January 29, 2012	0.2700%	1.75%	0.0000	2.0200%		
Monday	January 30, 2012	0.2678%	1.75%	0.0000	2.0178%		
Tuesday	January 31, 2012	0.2648%	1.75%	0.0000	2.0148%	AVERAGE	2.0335
Wednesday	February 1, 2012	0.2640%	1.75%	0.0000	2.0140%		
Thursday	February 2, 2012	0.2625%	1.75%	0.0000	2.0125%		
Friday	February 3, 2012	0.2605%	1.75%	0.0000	2.0105%		
Saturday	February 4, 2012	0.2605%	1.75%	0.0000	2.0105%		
Sunday	February 5, 2012	0.2605%	1.75%	0.0000	2.0105%		
Monday	February 6, 2012	0.2598%	1.75%	0.0000	2.0098%		
Tuesday	February 7, 2012	0.2570%	1.75%	0.0000	2.0070%		
Wednesday	February 8, 2012	0.2548%	1.75%	0.0000	2.0048%		
Thursday	February 9, 2012	0.2535%	1.75%	0.0000	2.0035%		
Friday	February 10, 2012	0.2505%	1.75%	0.0000	2.0005%		
Saturday	February 11, 2012	0.2505%	1.75%	0.0000	2.0005%		
Sunday	February 12, 2012	0.2505%	1.75%	0.0000	2.0005%		
Monday	February 13, 2012	0.2485%	1.75%	0.0000	1.9985%		
Tuesday	February 14, 2012	0.2475%	1.75%	0.0000	1.9975%		
Wednesday	February 15, 2012	0.2460%	1.75%	0.0000	1.9960%		
Thursday	February 16, 2012	0.2455%	1.75%	0.0000	1.9955%		
Friday	February 17, 2012	0.2455%	1.75%	0.0000	1.9955%		
Saturday	February 18, 2012	0.2455%	1.75%	0.0000	1.9955%		
Sunday	February 19, 2012	0.2455%	1.75%	0.0000	1.9955%		
Monday	February 20, 2012	0.2455%	1.75%	0.0000	1.9955%		
Tuesday	February 21, 2012	0.2455%	1.75%	0.0000	1.9955%		
Wednesday	February 22, 2012	0.2445%	1.75%	0.0000	1.9945%		
Thursday	February 23, 2012	0.2440%	1.75%	0.0000	1.9940%		
Friday	February 24, 2012	0.2440%	1.75%	0.0000	1.9940%		
Saturday	February 25, 2012	0.2440%	1.75%	0.0000	1.9940%		
Sunday	February 26, 2012	0.2440%	1.75%	0.0000	1.9940%		
Monday	February 27, 2012	0.2440%	1.75%	0.0000	1.9940%		
Tuesday	February 28, 2012	0.2440%	1.75%	0.0000	1.9940%		
Wednesday	February 29, 2012	0.2435%	1.75%	0.0000	1.9935%	AVERAGE	2.0001
Thursday	March 1, 2012	0.2430%	1.75%	0.0000	1.9930%		
Friday	March 2, 2012	0.2428%	1.75%	0.0000	1.9928%		
Saturday	March 3, 2012	0.2428%	1.75%	0.0000	1.9928%		
Sunday	March 4, 2012	0.2428%	1.75%	0.0000	1.9928%		
Monday	March 5, 2012	0.2428%	1.75%	0.0000	1.9928%		
Tuesday	March 6, 2012	0.2428%	1.75%	0.0000	1.9928%		
Wednesday	March 7, 2012	0.2428%	1.75%	0.0000	1.9928%		
Thursday	March 8, 2012	0.2418%	1.75%	0.0000	1.9918%		
Friday	March 9, 2012	0.2418%	1.75%	0.0000	1.9918%		
Saturday	March 10, 2012	0.2418%	1.75%	0.0000	1.9918%		
Sunday	March 11, 2012	0.2418%	1.75%	0.0000	1.9918%		
Monday	March 12, 2012	0.2418%	1.75%	0.0000	1.9918%		
Tuesday	March 13, 2012	0.2418%	1.75%	0.0000	1.9918%		
Wednesday	March 14, 2012	0.2418%	1.75%	0.0000	1.9918%		
Thursday	March 15, 2012	0.2418%	1.75%	0.0000	1.9918%		
Friday	March 16, 2012	0.2418%	1.75%	0.0000	1.9918%		
Saturday	March 17, 2012	0.2418%	1.75%	0.0000	1.9918%		
Sunday	March 18, 2012	0.2418%	1.75%	0.0000	1.9918%		
Monday	March 19, 2012	0.2418%	1.75%	0.0000	1.9918%		
Tuesday	March 20, 2012	0.2418%	1.75%	0.0000	1.9918%		
Wednesday	March 21, 2012	0.2418%	1.75%	0.0000	1.9918%		
Thursday	March 22, 2012	0.2418%	1.75%	0.0000	1.9918%		
Friday	March 23, 2012	0.2413%	1.75%	0.0000	1.9913%		
Saturday	March 24, 2012	0.2413%	1.75%	0.0000	1.9913%		
Sunday	March 25, 2012	0.2413%	1.75%	0.0000	1.9913%		
Monday	March 26, 2012	0.2413%	1.75%	0.0000	1.9913%		
Tuesday	March 27, 2012	0.2413%	1.75%	0.0000	1.9913%		
Wednesday	March 28, 2012	0.2413%	1.75%	0.0000	1.9913%		
Thursday	March 29, 2012	0.2413%	1.75%	0.0000	1.9913%		
Friday	March 30, 2012	0.2413%	1.75%	0.0000	1.9913%		
Saturday	March 31, 2012	0.2413%	1.75%	0.0000	1.9913%	AVERAGE	1.9918
Sunday	April 1, 2012	0.2413%	1.75%	0.0000	1.9913%		

Short Term Debt Rate

Monday	April 2, 2012	0.2413%	1.75%	0.0000	1.9913%
Tuesday	April 3, 2012	0.2413%	1.75%	0.0000	1.9913%
Wednesday	April 4, 2012	0.2413%	1.75%	0.0000	1.9913%
Thursday	April 5, 2012	0.2413%	1.75%	0.0000	1.9913%
Friday	April 6, 2012	0.2413%	1.75%	0.0000	1.9913%
Saturday	April 7, 2012	0.2413%	1.75%	0.0000	1.9913%
Sunday	April 8, 2012	0.2413%	1.75%	0.0000	1.9913%
Monday	April 9, 2012	0.2413%	1.75%	0.0000	1.9913%
Tuesday	April 10, 2012	0.2403%	1.75%	0.0000	1.9903%
Wednesday	April 11, 2012	0.2403%	1.75%	0.0000	1.9903%
Thursday	April 12, 2012	0.2403%	1.75%	0.0000	1.9903%
Friday	April 13, 2012	0.2398%	1.75%	0.0000	1.9898%
Saturday	April 14, 2012	0.2398%	1.75%	0.0000	1.9898%
Sunday	April 15, 2012	0.2398%	1.75%	0.0000	1.9898%
Monday	April 16, 2012	0.2398%	1.75%	0.0000	1.9898%
Tuesday	April 17, 2012	0.2398%	1.75%	0.0000	1.9898%
Wednesday	April 18, 2012	0.2398%	1.75%	0.0000	1.9898%
Thursday	April 19, 2012	0.2398%	1.75%	0.0000	1.9898%
Friday	April 20, 2012	0.2398%	1.75%	0.0000	1.9898%
Saturday	April 21, 2012	0.2398%	1.75%	0.0000	1.9898%
Sunday	April 22, 2012	0.2398%	1.75%	0.0000	1.9898%
Monday	April 23, 2012	0.2388%	1.75%	0.0000	1.9888%
Tuesday	April 24, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	April 25, 2012	0.2388%	1.75%	0.0000	1.9888%
Thursday	April 26, 2012	0.2388%	1.75%	0.0000	1.9888%
Friday	April 27, 2012	0.2388%	1.75%	0.0000	1.9888%
Saturday	April 28, 2012	0.2388%	1.75%	0.0000	1.9888%
Sunday	April 29, 2012	0.2388%	1.75%	0.0000	1.9888%
Monday	April 30, 2012	0.2388%	1.75%	0.0000	1.9888%
AVERAGE					1.9900
Tuesday	May 1, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	May 2, 2012	0.2388%	1.75%	0.0000	1.9888%
Thursday	May 3, 2012	0.2388%	1.75%	0.0000	1.9888%
Friday	May 4, 2012	0.2388%	1.75%	0.0000	1.9888%
Saturday	May 5, 2012	0.2388%	1.75%	0.0000	1.9888%
Sunday	May 6, 2012	0.2388%	1.75%	0.0000	1.9888%
Monday	May 7, 2012	0.2388%	1.75%	0.0000	1.9888%
Tuesday	May 8, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	May 9, 2012	0.2388%	1.75%	0.0000	1.9888%
Thursday	May 10, 2012	0.2388%	1.75%	0.0000	1.9888%
Friday	May 11, 2012	0.2388%	1.75%	0.0000	1.9888%
Saturday	May 12, 2012	0.2388%	1.75%	0.0000	1.9888%
Sunday	May 13, 2012	0.2388%	1.75%	0.0000	1.9888%
Monday	May 14, 2012	0.2388%	1.75%	0.0000	1.9888%
Tuesday	May 15, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	May 16, 2012	0.2398%	1.75%	0.0000	1.9898%
Thursday	May 17, 2012	0.2398%	1.75%	0.0000	1.9898%
Friday	May 18, 2012	0.2398%	1.75%	0.0000	1.9898%
Saturday	May 19, 2012	0.2398%	1.75%	0.0000	1.9898%
Sunday	May 20, 2012	0.2398%	1.75%	0.0000	1.9898%
Monday	May 21, 2012	0.2398%	1.75%	0.0000	1.9898%
Tuesday	May 22, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	May 23, 2012	0.2388%	1.75%	0.0000	1.9888%
Thursday	May 24, 2012	0.2388%	1.75%	0.0000	1.9888%
Friday	May 25, 2012	0.2388%	1.75%	0.0000	1.9888%
Saturday	May 26, 2012	0.2388%	1.75%	0.0000	1.9888%
Sunday	May 27, 2012	0.2388%	1.75%	0.0000	1.9888%
Monday	May 28, 2012	0.2388%	1.75%	0.0000	1.9888%
Tuesday	May 29, 2012	0.2388%	1.75%	0.0000	1.9888%
Wednesday	May 30, 2012	0.2388%	1.75%	0.0000	1.9888%
Thursday	May 31, 2012	0.2388%	1.75%	0.0000	1.9888%
AVERAGE					1.9889