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Case Number: 11-3549-EL-SSO

File Date: 11/9/2011

Section: 1 of 3

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FILE

November 9, 2011

Docketing Division
Public Utilities Commission of Ohio
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PUCO

Re: PUCO Case No. 11-3549-EL-SSO

Dear Sir/Madam:

Enclosed please find an original and ten copies of Duke Energy Ohio's late filed exhibits pursuant to the Attorney Examiner's instructions at the November 3, 2011 hearing in this case.

The late filed exhibits are as follows:

- Late Filed Exhibit 2.1 - Newly redacted Judah L. Rose workpapers;
- Late Filed Exhibit 6.1 - Newly redacted Judah L. Rose testimony;
- Late Filed Exhibit 10.1 - Newly redacted William D. Wathen, Jr. testimony with originally filed attachment WDW-2, page 4 of 9;
- Late Filed Exhibit 10.2 - Revised attachment WDW-2 page 4 of 9 erroneously filed June 28, 2011 as confidential;
- Late Filed Exhibit 18.1 - Newly redacted Brian D. Savoy testimony;
- Late Filed Exhibit 22.2 - Revised Rider Back-up Delivery tariff; red-lined and final version.

In addition, with regard to Exhibit 10.1, that, although this reflects the corrected redactions of Don Wathen's filing as it was made on June 20, it was subsequently updated, as reflected on Exhibit 10.2.

Very truly yours,

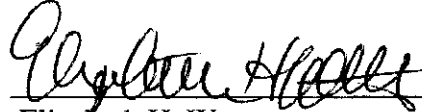
Elizabeth H. Watts

cc: Parties of record

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CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that a copy of the foregoing was served on the following parties of record electronically via e-mail or first class, U.S. mail, postage prepaid, this 9TH day of November 2011.


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BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke	)	
Energy Ohio for Authority to Establish a	)	
Standard Service Offer Pursuant to Section	)	
4928.143, Revised Code, in the Form of	)	Case No. 11-3549-EL-SSO
an Electric Security Plan, Accounting	)	
Modifications and Tariffs for Generation	)	
Service.	)	
In the Matter of the Application of Duke	)	
Energy Ohio for Authority to Amend its	)	Case No. 11-3550-EL-ATA
Certified Supplier Tariff, P.U.C.O. No. 20.	)	
In the Matter of the Application of Duke	)	
Energy Ohio for Authority to Amend its	)	Case No. 11-3551-EL-UNC
Corporate Separation Plan.	)	

REDACTED VERSION

VOLUME V

WORKPAPERS

ATTACHMENT J
INDEX TO WORK PAPERS

Witness Judah L. Rose

1. Exhibit B – Projected SSO Price.....	Public
2. Exhibit F – Projected ESP.....	Redacted
3. Wholesale Prices Exhibits.....	Redacted
a. Supports Exhibits H, K, R, J, M, P, and L	
4. Exhibit I.....	Public
5. Exhibit O.....	Redacted
6. Exhibit S.....	Redacted
7. MISO Historical Cinergy Hub LMP.....	Public
8. Capacity Prices.....	Redacted
a. Supports Exhibits K, N and T	
9. MRO Proposed.....	Redacted
a. Supports Exhibits FF and GG	
10. CMO Exhibits.....	Redacted
a. Supports Exhibits W, DD, BB, AA, CC, and V	
11. CMO Calculation Assumptions.....	Redacted
12. Retail Price Multiplier.....	Redacted
13. CMO Output 2.....	Redacted
14. CMO Output 1.....	Redacted
15. TS Customer.....	Redacted
16. RS Customer.....	Redacted
17. DS Customer.....	Redacted
18. DP Customer.....	Redacted
19. DM Customer.....	Redacted
20. ICF Forecast.....	Redacted
21. FPP-AAC Energy and Margin and Capacity.....	Redacted
22. ICF Forwards for Retail Price.....	Redacted
23. Historical Inflation.....	Public
24. DEO Delivered Gas Price.....	Redacted
25. HH Summary.....	Public
26. Historical Gas Prices.....	Public
27. HH Daily Trade Dates.....	Public

TAB 1

LEGACY ESP

EXHIBIT B

Projected SSO Price¹ 2012 – 2021 – Customer Weighted Average (\$/kWh)

Component	Rider	Projected					
		2012	2013	2014	2015	2016	Average
Base Generation	PTC-BG	3.71	3.71	3.71	3.71	3.71	3.71
CD Rate	PTC-CD	0.23	0.23	0.23	0.23	0.23	0.23
SRT Rate	PTC-SRT	0.06	0.04	0.18	0.16	0.00	0.09
Fuel, Purchased Power & Alternative Energy Resource Compliance	PTC-FPP	3.13	2.68	2.71	2.58	2.56	2.73
AAC – Environmental & Tax	PTC-AAC	0.79	0.78	0.79	0.86	0.98	0.84
Legacy ESP		7.92	7.44	7.62	7.54	7.49	7.60

Source: Duke Energy Ohio

¹The legacy ESP price projection by component is provided by Duke Energy Ohio.

TAB 2

PROPOSED ESP

Component	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Capacity Charges	2.77	2.60	2.92	3.17						
Energy Margin	0.70	1.25	1.47	1.82						
Retail Energy Price	5.91	6.384	6.943	7.591						
Proposed ESP	7.98	7.74	8.40	8.93						

* proposed ESP = capacity charge + energy margin + retail energy price

Exhibit F-1

Year	Proposed ESP Price (\$/MWh)			
	Capacity Charge ¹	76 percent of Energy Margin ²	Net Capacity Charge	Retail Energy Price ³
2012	2.77	0.70	2.06	5.91
2013	2.60	1.25	1.36	6.38
2014	2.92	1.47	1.46	6.94
2015	3.17	1.82	1.34	7.59
2016				8.93
2017				
2018				
2019				
2020				
2021				
Average 2012-2016				
Average 2012-2021	3.25	1.43	1.63	

¹ Source: Duke Energy Ohio

² Uses AD Hub forwards from 2012 to 2015. Post-2015 is ICF forecast. The retail electrical energy price does not include the capacity component. See later discussion. Source: ICF and ICF International

Exhibit F-2

Year	Proposed ESP Price (\$/MWh)			
	Capacity Charge ¹	76 percent of Energy Margin ²	5 percent of Energy Margin ³	Net Capacity Charge
2012	2.77	0.70	0.05	2.01
2013	2.60	1.25	0.08	1.27
2014	2.92	1.47	0.10	1.36
2015	3.17	1.82	0.12	1.22
2016				7.59
2017				8.93
2018				
2019				
2020				
2021				
Average 2012-2016				
Average 2012-2021	3.25	1.43	0.11	1.52

¹ Source: Duke Energy Ohio

² The additional 5 percent accounts for economic development; 4 percent for customers and 1 percent for the Company.

³ Uses AD Hub forwards from 2012 to 2015. Post-2015 is ICF forecast. The retail electrical energy price does not include the capacity component. Source: ICF and ICF.

TAB 3

Tab 3: "Wholesale Power Exhibits"

Exhibit H

Historical Wholesale Power Spot Prices – Cinergy Hub Delivery

Year	All-Hours Wholesale Spot Price ¹	
	Nominal \$/MWh	2010\$/MWh ³
1997	18.0	23.6
1998	42.3	54.7
1999	38.2	48.7
2000	27.0	33.7
2001	26.1	31.9
2002	20.1	24.1
2003	24.5	28.8
2004	33.1	37.9
2005	48.7	53.9
2006	40.4	43.3
2007	46.1	48.0
2008	50.7	51.7
2009	29.5	29.8
2010	34.8	34.8
2011 YTD²	35.7	34.9
1997-2011 YTD Average	34.4	38.6
Exhibit F Std. Dev.		10.6

¹ Source: Spot prices shown for 1997 – 2011 YTD.

² 2011 YTD is through April 2011. 1997-2003 (Power Market Week), 2004-2005 (Platts' Megawatt Daily), 2006-2011 price data are from Midwest ISO for Cinergy Hub.

³ Post-2010 inflation is assumed to be 2.5%.

Notes: 1997-2001, spot off-peak power prices were not available; the prices for these years were estimated based on the 2002 monthly off-peak price shape. In turn, the all-hours prices were derived based on peak- and off-peak prices.

Percentage Growth Calculations

2009 Lower Than 1998	-46%	
2008 to 2009 (2010\$)	-42%	
2009 to 2015 (Nominal\$)	65%	
2009 to 2015 (Nominal\$)	164%	
2004 to 2005 (Nominal\$)	47%	
2003 to 2005 (Nominal\$)	99%	
Std Dev/Avg Price	28%	
1997 to 1998 (2010\$)	31	132%
2011 YTD from 2008 record	15	

2011 YTD (April 2011) (Nominal\$)	35.7	2011 YTD below 2008 Last 12 Months below Avg	15.0
Last 12 Months (2010\$)	35.0		-9%

Exhibit J
Wholesale Power Prices – All-Hours
(Nominal\$/MWh)

Wholesale Power Price	Type	Prices
2009	Historical	29.5
2010	Historical	34.8
Last 12 Months ¹	Historical	35.3
2012	Forwards	38.5
2013	Forwards	41.2
2014	Forwards	44.5
2015	Forwards	48.8
Average 2012 to 2015	N/A	43.2

Source: Midwest-ISO LMP for 2009-2010 and last 12 months. AD Hub ICE forwards for 2012-2015 traded from November 2010 to April 2011.

¹ May 2010 to April 2011 average.

Exhibit K
AD Hub Wholesale All-Hours Energy Prices – 2011 to 2015
(Nominal \$/MWh)

Year	Source	All Hours	On-Peak ¹	Off-Peak	Growth
2011 ²	ICE Forward	36.3	42.1	31.1	
2012 ²	ICE Forward	38.5	44.7	33.0	6.0%
2013 ²	ICE Forward	41.2	47.4	35.6	7.0%
2014 ²	ICE Forward	44.5	50.6	38.9	7.9%
2015 ²	ICE Forward	48.8	53.7	44.3	9.7%
2012-2015 Average		43.2	49.1	37.9	

¹ 5X16.

² Forwards for 2011-2015 traded from November 2010 to April 2011

Note: Table below is for Exhibits L & Q

Period	Year	All Hours Energy Prices (Nominal\$/MWh)
Cinergy Hub Historical	1997	18
	1998	42
	1999	38
	2000	27
	2001	26
	2002	20
	2003	25
	2004	33
	2005	49
	2006	40
	2007	46
AD Hub Forward & ICF ¹ Forecast	2008	51
	2009	29.5
	2010	34.8
	2011	36.3
	2012	38.5
	2013	41.2
	2014	44.5
	2015	48.8
	2016	█
	2017	█
	2018	█
	2019	█
	2020	█
	2021	█

¹ICE forwards through 2015 and post 2015 ICF forecast

Exhibit L

Wholesale All-Hours Energy Prices – 1997 to 2015

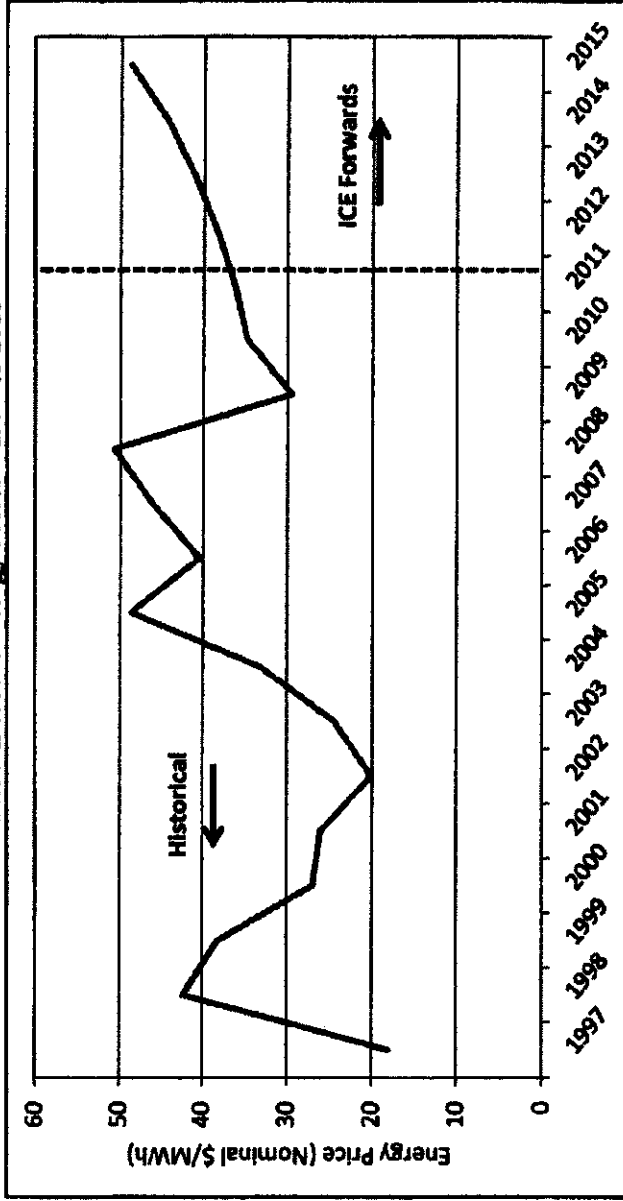


Exhibit M

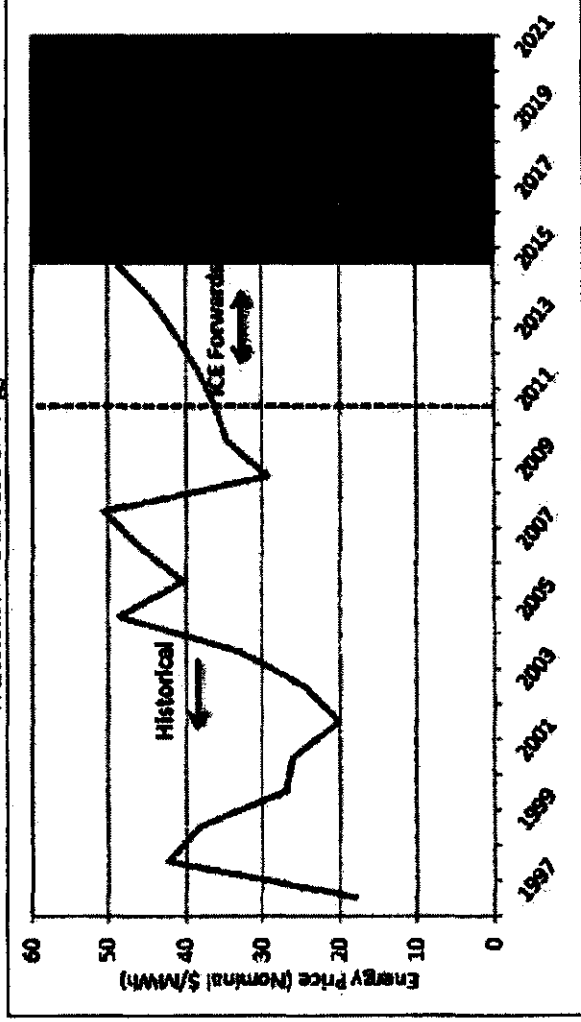
DUKE ENERGY OHIO Zonal Energy Price Historical and Projections - 2007 to 2015¹

Source	Year	All-Hours Energy Price (2010\$ MWh)	On-Peak Energy Price (2010\$ MWh)	Off-Peak Energy Price (2010\$ MWh)
Historical	2007	45.0	62.4	34.8
Historical	2008	51.7	67.0	37.7
Historical	2009	29.8	35.3	24.7
Historical	2010	34.8	41.9	28.3
Historical	2007- 2010 Average	41.1	51.7	31.4
ICE Forward	2011	35.5	41.1	30.3
ICE Forward	2012	36.7	42.5	31.4
ICE Forward	2013	38.3	44.0	33.1
ICE Forward	2014	40.3	45.8	35.2
ICE Forward	2015	43.1	47.4	39.2
Average	2012- 2015	39.6	44.9	34.7

¹ Historical Prices are MISO Cinergy Hub prices. ICE Forwards are for AD Hub.

Exhibit Q

Wholesale All-Hours Energy Prices – 1997 to 2021



Real Growth Rate Calculation

2012 to 2015	6
2009 to 2021	%
2012 to 2021	%

CONFIDENTIAL

Exhibit R

Real Electrical Energy Prices – 2010\$/MWh

Source	Year	All-Hours Energy Price (2010\$ MWh)	On-Peak Energy Price (2010\$ MWh)	Off-Peak Energy Price (2010\$ MWh)
Historical	2007	49.0	62.4	34.8
Historical	2008	51.7	67.0	37.7
Historical	2009	29.8	35.3	24.7
Historical	2010	34.8	41.9	28.3
Historical	2007-2010 Average	41.1	51.7	31.4
ICE Forward	2011	35.5	41.1	30.3
ICE Forward	2012	36.7	42.5	31.4
ICE Forward	2013	38.3	44.0	33.1
ICE Forward	2014	40.3	45.8	35.2
ICE Forward	2015	43.1	47.4	39.2
ICF Forecast	2016			
ICF Forecast	2017			
ICF Forecast	2018			
ICF Forecast	2019			
ICF Forecast	2020			
ICF Forecast	2021			
Average	2012-2021			
Average	2012-2015	39.6	44.9	34.7
Average	2016-2021			

Peak Definition: 5x16 Peak Hours, 5x8 + 2x24 Off-Peak Hours

Historical Power Price: Cinergy Hub. Forward AD Hub

Exhibit for Nominal Growth Rate Calculation

Period	Source	Year	All-Hours Energy Price (Nominal\$/MWh)	On-Peak Energy Price (Nominal\$/MWh)	Off-Peak Energy Price (Nominal\$/MWh)
Period	Historical	2007	46.1	59.9	33.4
	Historical	2008	50.7	65.8	37.0
	Historical	2009	29.5	35.0	24.4
	Historical	2010	34.8	41.9	28.3
	Historical	2007-2010 Average	40.3	50.7	30.8
Forecast	ICE Forward	2011	36.3	42.1	31.1
	ICE Forward	2012	38.5	44.7	33.0
	ICE Forward	2013	41.2	47.4	35.6
	ICE Forward	2014	44.5	50.6	38.9
	ICE Forward	2015	48.8	53.7	44.3
	ICF Forecast	2016			
	ICF Forecast	2017			
	ICF Forecast	2018			
	ICF Forecast	2019			
	ICF Forecast	2020			
	ICF Forecast	2021			
	ICF Forecast Average	2016-2021 Average			

Year	Nominal Growth Rate Calculations from Specified Year				
	Incremental Growth	Growth From 2009	Growth From 2015	Growth From 2012	Growth From 2010
2007					
2008	10.1%				
2009	-41.9%				
2010	18.1%				
2011					
2012	6.0%	31%			
2013	7.0%				
2014	7.9%				
2015	9.7%	65%		27%	40%
2016					
2017					
2018					
2019					
2020					
2021					

Exhibit P

Base Case – Wholesale All-Hours Electrical Energy Prices – 2012 to 2021 (Nominal \$/MWh)³

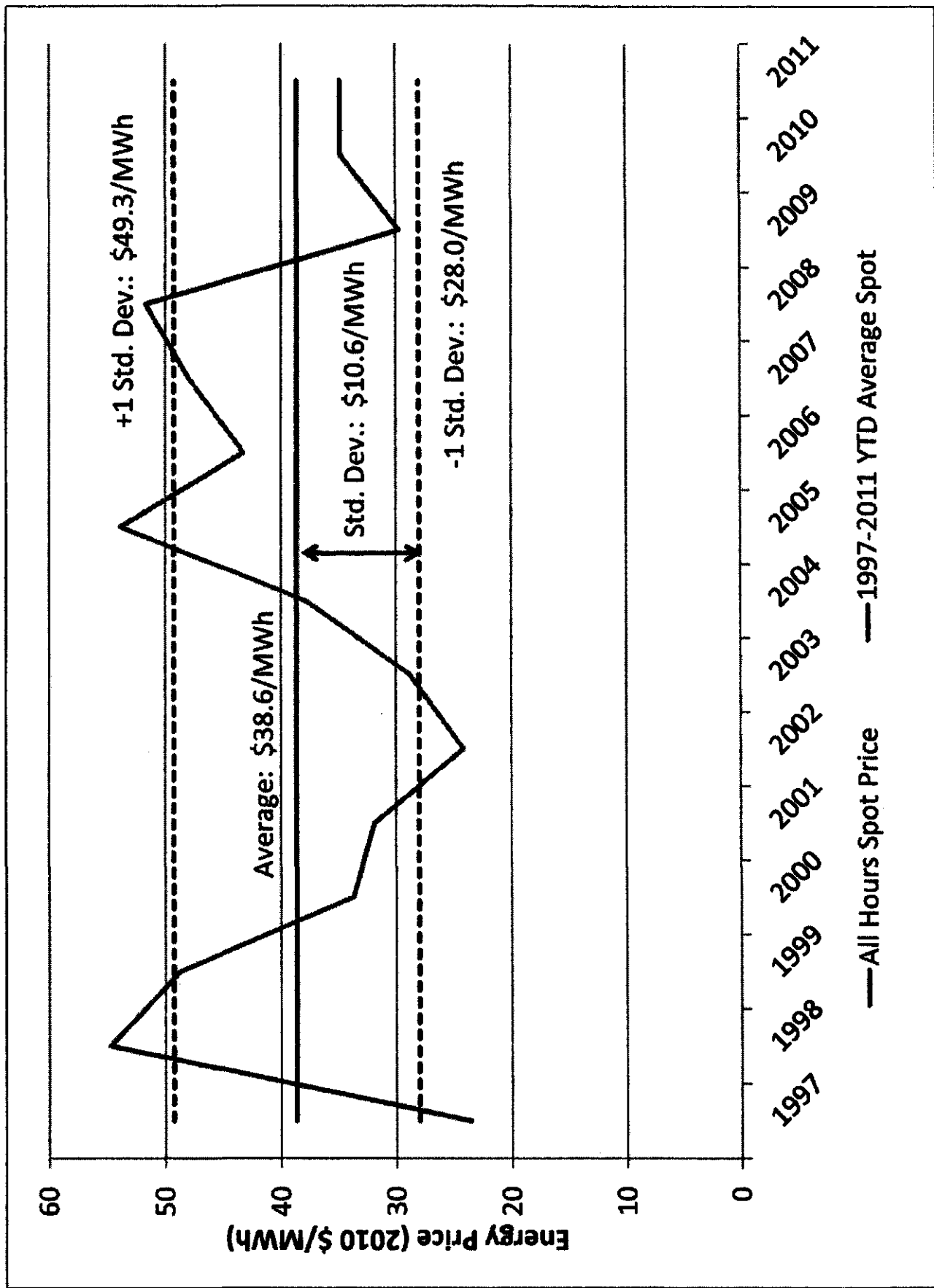
Year	Source	All Hours	On-Peak	Off-Peak
2012	ICE Forward	38.5	44.7	33.0
2013	ICE Forward	41.2	47.4	35.6
2014	ICE Forward	44.5	50.6	38.9
2015	ICF Forecast	48.8	53.7	44.3
2016	ICF Forecast			
2017	ICF Forecast			
2018	ICF Forecast			
2019	ICF Forecast			
2020	ICF Forecast			
2021	ICF Forecast			
Average 2012-2015	NA	43.2	49.1	37.9
Average 2016-2021	NA			
Average 2012-2021	NA			

¹ On peak defined as 5 x 16

² Simple averages of all transactions from November 2010 through April 2011 for delivery in 2012 to 2015.

³ ICE forwards for AD Hub. ICF forecast for the Duke Energy Ohio zone.

TAB 4



TAB 5

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NATURAL GAS PRICES

Exhibit U
Henry Hub Natural Gas Prices (\$/MMBtu)

Year	Source	Real 2010\$	Nominal \$	Growth Rates
2005	Historical	9.81	8.87	
2006	Historical	7.20	6.72	-27%
2007	Historical	7.22	6.94	0%
2008	Historical	9.00	8.84	25%
2009	Historical	3.96	3.92	-56%
2010	Historical	4.37	4.37	10%
2011 YTD ¹	Historical	4.08	4.19	-7%
2011	Average of Historical and NYMEX Futures ^{1,2}	4.28	4.38	5%
2012	NYMEX Futures ²	4.72	4.96	10%
2013	NYMEX Futures ²	4.91	5.28	4%
2014	NYMEX Futures ²	5.01	5.54	2%
2015	NYMEX Futures ²	5.11	5.78	2%
2016	Average of NYMEX Futures and ICF Forecast			
2017	ICF Forecast			
2018	ICF Forecast			
2019	ICF Forecast			
2020	ICF Forecast			
2021	ICF Forecast			
Average 2012 – 2021				

¹ 2011 YTD is through April, 2011.

² Traded over the period November 2010 to April 2011.

Source: Bloomberg

2010\$

Last 12 Months (May 2010 – April 2011)	4.12
---	-------------

Exhibit O
Henry Hub Natural Gas Prices (\$/MMBtu)

Year	Source	Real 2010\$	Nominal \$
2005	Historical	9.81	8.87
2006	Historical	7.20	6.72
2007	Historical	7.22	6.94
2008	Historical	9.00	8.84
2009	Historical	3.96	3.92
2010	Historical	4.37	4.37
2011 YTD	Historical	4.08	4.19
2011	2011 YTD and NYMEX Futures ²	4.28	4.38
2012	NYMEX Futures ¹	4.72	4.96
2013	NYMEX Futures ²	4.91	5.28
2014	NYMEX Futures ¹	5.01	5.54
2015	NYMEX Futures ²	5.11	5.78
Average 2012 – 2015		4.94	5.39

¹ 2011 YTD is through April, 2011.

² Traded over the period November 2010 to April 2011.

Source: Bloomberg

Duke Energy Ohio Delivered

Year	2010\$/Mmbtu
2007	7.4
2008	9.2
2009	4.2
2010	4.6
2011	4.5
2012	5.0
2013	5.2
2014	5.3
2015	5.4
2016	
2017	
2018	
2019	
2020	
2021	

TAB 6

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IMPLIED HEAT RATES

Exhibit S
DUKE ENERGY OHIO Zonal Implied Heat Rate Projections

Period	Year	ICF Base Case		
		All-Hands IHR (Btu/kWh)	On-Peak IHR (Btu/kWh)	Off-Peak IHR (Btu/kWh)
Historical ¹	2007	6,498	8,446	4,713
	2008	5,609	7,271	4,090
	2009	7,096	8,428	5,879
	2010	7,504	9,035	6,111
	2007-2010 Average	6,677	8,295	5,196
Forecast	2011	7,832	9,079	6,699
	2012	7,378	8,552	6,311
	2013	7,411	8,521	6,401
	2014	7,623	8,675	6,666
	2015	7,996	8,800	7,265
	2016			
	2017			
	2018			
	2019			
	2020			
	2021			
ICF ₂	2012-2015 Average	7,602	8,637	6,661
	2016 - 2021 Average			
	2012-2021 Average			

¹ Historical IHRs are calculated using Cinergy Hub power prices and DEO delivered gas prices. Source: MISO and Bloomberg.

² ICE Forecast IHRs are calculated using ICE AD Hub forward prices for 2011-2015 traded from November 2010 to April 2011. Gas prices are DEO delivered prices. Source: ICE and Bloomberg.

³ ICF Forecast IHRs are calculated using DEO Zonal projected power prices and DEO delivered gas prices. Source: ICF International.

TAB 7

CINERGY HISTORICAL WHOLESALE POWER PRICES

MISO Cinergy Hub LMP (Monthly \$/MWh)				MISO Cinergy Hub LMP (2010 \$/MWh)			
Year	Month	All Hours	On-Peak	Year	Month	All Hours	On-Peak
2006	1	41.1	32.3	2006	1	44.0	34.6
2006	2	39.8	31.4	2006	2	42.5	35.8
2006	3	40.6	32.1	2006	3	43.6	34.4
2006	4	42.0	30.6	2006	4	45.0	32.8
2006	5	40.3	29.3	2006	5	43.2	31.4
2006	6	40.9	27.4	2006	6	43.8	29.3
2006	7	40.6	26.7	2006	7	53.2	30.3
2006	8	51.9	35.1	2006	8	55.8	27.6
2006	9	30.6	24.4	2006	9	32.8	26.1
2006	10	34.5	26.3	2006	10	36.9	28.2
2006	11	39.2	25.6	2006	11	42.0	31.7
2006	12	34.6	26.3	2006	12	37.1	28.2
2007	1	38.5	27.3	2007	1	38.0	26.5
2007	2	54.8	47.4	2007	2	59.2	49.4
2007	3	44.5	35.2	2007	3	46.3	36.7
2007	4	47.7	36.6	2007	4	49.7	38.1
2007	5	47.4	28.6	2007	5	48.4	28.8
2007	6	48.2	31.1	2007	6	50.7	32.4
2007	7	41.9	28.5	2007	7	43.7	30.7
2007	8	54.9	35.3	2007	8	59.3	36.8
2007	9	37.9	26.4	2007	9	39.5	27.4
2007	10	47.4	35.3	2007	10	48.3	36.8
2007	11	41.4	30.3	2007	11	43.2	31.6
2007	12	46.0	38.2	2007	12	47.8	39.6
2008	1	51.1	39.8	2008	1	52.2	40.4
2008	2	54.3	43.2	2008	2	57.3	44.9
2008	3	57.7	47.8	2008	3	58.8	46.7
2008	4	54.3	39.6	2008	4	55.3	40.3
2008	5	41.9	28.1	2008	5	42.7	28.6
2008	6	48.5	48.2	2008	6	49.7	46.0
2008	7	43.7	35.5	2008	7	44.9	36.2
2008	8	54.3	38.9	2008	8	55.3	39.7
2008	9	43.4	30.3	2008	9	44.2	30.9
2008	10	39.1	32.3	2008	10	39.9	32.9
2008	11	38.1	30.5	2008	11	38.8	31.0
2008	12	40.6	33.1	2008	12	41.4	33.7
2009	1	39.0	32.9	2009	1	38.4	33.2
2009	2	35.2	29.9	2009	2	35.3	30.2
2009	3	31.0	27.7	2009	3	31.3	28.0
2009	4	28.1	24.2	2009	4	28.4	24.4
2009	5	25.6	21.7	2009	5	26.9	22.0
2009	6	28.1	20.6	2009	6	28.3	20.8
2009	7	24.8	18.0	2009	7	25.0	19.2
2009	8	27.3	22.2	2009	8	27.5	22.4
2009	9	24.7	20.2	2009	9	25.0	20.4
2009	10	28.1	23.9	2009	10	28.4	24.1
2009	11	28.7	22.7	2009	11	27.0	22.9
2009	12	34.1	28.0	2009	12	34.4	28.3
2010	1	38.5	33.3	2010	1	38.5	33.3
2010	2	37.2	31.7	2010	2	37.2	31.7
2010	3	31.0	27.2	2010	3	31.0	27.2
2010	4	29.3	24.3	2010	4	29.3	24.3
2010	5	31.5	25.4	2010	5	31.5	25.4
2010	6	40.5	31.8	2010	6	40.5	31.8
2010	7	42.7	31.8	2010	7	42.7	31.8
2010	8	40.4	29.6	2010	8	40.4	29.6
2010	9	29.4	22.5	2010	9	29.4	22.5
2010	10	28.1	24.9	2010	10	28.1	24.9
2010	11	30.3	26.2	2010	11	30.3	26.2
2010	12	37.7	31.2	2010	12	37.7	31.2
2011	1	38.9	34.0	2011	1	37.9	33.2
2011	2	34.2	29.8	2011	2	33.9	29.1
2011	3	34.5	31.7	2011	3	33.7	28.9
2011	4	35.4	31.2	2011	4	34.5	29.4

Average (2010 \$/MWh)			
Year	All Hours	On-Peak	On-Peak
2006	43.3	32.5	55.3
2007	48.0	34.8	62.4
2008	51.7	37.7	67.0
2009	29.8	24.7	35.3
2010	34.8	28.3	41.9
2011	34.9	30.9	39.3

Average (Monthly \$/MWh)			
Year	All Hours	On-Peak	On-Peak
2006	40.4	30.3	51.6
2007	46.1	33.4	59.9
2008	50.7	37.0	65.8
2009	29.5	24.4	35.0
2010	34.8	28.3	41.9
2011	35.7	31.7	40.3

Monthly \$/MWh
May 2010-April 2011 (Last 12 Mos.) 35.3 29.2 42.0

2010 \$/MWh
May 2010-April 2011 (Last 12 Mos.) 35.0 28.9 41.7

Notes:
Prices are hourly LMP from MISO Cinergy Hub. Source: MISO
2011 is year-to-date through April 30, 2011.

TAB 8

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Exhibit N

PJM RPM RTO Capacity Prices (\$/UCAP)

Delivery Period	Source	Price (Nominal) \$/kW-yr	Price (Nominal) \$/MW-day
2009-2010	RPM	37.2	102
2010-2011	RPM	63.6	174
2011-2012	RPM	40.2	110
2012-2013	RPM	6.0	16
2013-2014	RPM	10.1	28
2014-2015	RPM	46.0	126
2015 ¹	ICF Forecast		
Average 2012 – 2014		20.7	56.7

Source: PJM. The delivery period is from June 1 to May 31 of the following year.

¹The next RPM auction is June 1, 2015, to May 31, 2016, and will be held in May 2012.

CAPACITY PRICES

Exhibit T

PJM RPM RTO Capacity Prices – 2009 to 2021

Delivery Period	Source	Price (Nominal) \$/kW-yr	Price (Nominal) \$/MW-day
2009-2010	RPM	37	102
2010-2011	RPM	64	174
2011-2012	RPM	40	110
2012-2013	RPM	6	16
2013-2014	RPM	10	28
2014-2015	RPM	46	126
2015	ICF Forecast		
2016	ICF Forecast		
2017	ICF Forecast		
2018	ICF Forecast		
2019	ICF Forecast		
2020	ICF Forecast		
2021	ICF Forecast		
Average 2009 – 2021			
Average 2012 – 2021			

¹Based on summer delivery. UCAP price based on EFORd of 6.25 percent.

Source: PJM and ICF

Note: We did not increase capacity cost by 8% as we have added a 4% Ask Adder and a 5% Supply Management Fee.

Growth Rate Calculation

2013/2014 to 2014/2015 35.4%

TAB 9

Tab 9: "Exhibit FF-GG - MRO & Proposed"

Exhibit FF MRO Option Pricing					
Period	Current ESP PTC (\$/kWh) ¹	ESP Weight (%)	Retail Market Price (\$/kWh) ²	Retail Market Price Weight (%)	MRO (\$/kWh) ³
2012	7.92	90	6.14	10	7.74
2013	7.44	80	6.63	20	7.28
2014	7.62	70	7.87	30	7.70
2015	7.54	60	9.04	40	8.14
2016	7.49	50		50	
2017	N/A	0		100	
2018	N/A	0		100	
2019	N/A	0		100	
2010	N/A	0		100	
2021	N/A	0		100	
Average 2012-2016	7.60				
Average 2012-2021	N/A				

¹ Source: Duke Energy Ohio.

² Based on current forwards. ICE forwards transaction date from November 2010 through April 2011 for delivery in 2012, 2013, 2014 and 2015. AD PJM Hub price.

³ MRO is the weighted average of legacy ESP and retail market price based on ESP and retail market weights shown in the table.

N/A = Not Applicable

Exhibit GG-1

Proposed ESP vs. MRO – Based on AD Hub Price Curve

Year	MRO (\$/kWh)	Proposed ESP¹ (\$/kWh)	Difference (\$/kWh) Proposed ESP – MRO	Percent Change
2012	7.74	7.98	0.23	3.0%
2013	7.28	7.74	0.46	6.3%
2014	7.70	8.40	0.70	9.1%
2015	8.14	8.93	0.79	9.7%
2016				
2017				
2018				
2019				
2020				
2021				
2012-2016				
2012-2021			-0.92	
2017-2021				

¹Based on 76% of energy profit from energy sales being credited back to Duke Energy Ohio customers.

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Exhibit GG-2

Proposed ESP vs. MRO – Based on AD Hub Price Curve

Year	MRO (\$/kWh)	Proposed ESP ¹ (\$/kWh)	Difference (\$/kWh) Proposed ESP – MRO	Percent Change
2012	7.74	7.93	0.19	-2%
2013	7.28	7.66	0.38	-5%
2014	7.70	8.30	0.61	-7%
2015	8.14	8.81	0.67	-8%
2016				
2017				
2018				
2019				
2020				
2021				
2012-2016				
2012-2021			-1.03	
2017-2021				

¹ The additional 5 percent accounts for economic development; 4 percent for customers and 1 percent for the Company.

TAB 10

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Tab 10: "Exhibits-CMO"

Exhibit W

Retail Market Prices by Customer Class -- 2012 -- 2021 (Nominal €/kWh)

Customer Class	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2016	Average 2012-2021
RS	6.35	6.87	8.30	9.64								
DM	6.36	6.87	8.21	9.46								
DP	5.83	6.29	7.35	8.38								
DS	6.25	6.75	7.96	9.10								
TS	5.63	6.09	7.05	8.02								
kWh Weighted Average	6.14	6.63	7.87	9.04								

Growth Rate Calculations

Residential over Avg	3%
TS Under Avg	-8.2%
Residential over TS	12.7%

2012 to 2015	47%	2015 to 2021	%
2012 to 2021	%		

Retail Market Prices without Capacity Adder (Nominal £/kWh)

Customer Class	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
RS	6.07	6.55	7.13	7.80							
DM	6.11	6.59	7.16	7.81							
DP	5.65	6.10	6.64	7.27							
DS	6.04	6.51	7.08	7.71							
TS	5.49	5.93	6.46	7.08							
kWh Weighted Average	5.91	6.38	6.94	7.59							

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Exhibit V
Retail Market Price – Weighted Average of All Consumer Classes Based on AD Hub Price Curve
(Nominal¢/kWh)¹

Year	Retail Price Including Capacity Charge	Cumulative Change From 2012 (%)
2012	6.14	N/A
2013	6.63	8%
2014	7.87	28%
2015	9.04	47%
2016		
2017		
2018		
2019		
2020		
2021		
Average 2012-2016		
Average ²		

¹ Assumes no switching.

² Simple average.

Exhibit V-1
Retail Electric Prices to Estimate SSO Prices Under Proposed ESP (nominal \$/kWh)

Year	Retail Price Including Capacity Charge	Cumulative Change From 2012 (%)
2012	5.91	N/A
2013	6.38	4%
2014	6.94	13%
2015	7.59	24%
2016		
2017		
2018		
2019		
2020		
2021		
Average 2012-2016		
Average 2012-2021		

Exhibit AA

[illegible]

Exhibit BB

Summary of Retail Price by Component Before Retail Capacity Rider – Weighted Average of all Consumer Classes – 2012-2021 (¢/kWh)

Component	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2012-2021 Average
Market Index of Electrical Energy Prices ¹	4.04	4.31	4.65	5.08							
Covariance Adjustment	0.28	0.30	0.33	0.36							
Capacity	0.16	0.18	0.66	1.04							
Ask Adder (2 to 4%)	0.09	0.14	0.23	0.26							
Energy Losses and Adjustments (7%)	0.31	0.34	0.40	0.46							
Supply Management Fee (5%)	0.29	0.32	0.38	0.43							
Operating Risk Adjustment (18.1%)	0.96	1.04	1.23	1.42							
Average Energy Charge	6.14	6.63	7.87	9.04							

¹ Includes 2.5 percent for ancillary services.

Ratio of Retail Market to Wholesale Price Index

For Exhibit CC:

[illegible]

Exhibit DD
Structure of the Retail Market Across Customer Classes Price – 2012

2012	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices ¹	4.04	4.09	4.00	4.08	3.96	4.04
Covariance Adjustment	0.40	0.37	0.13	0.33	0.05	0.28
Capacity	0.21	0.19	0.12	0.16	0.11	0.16
Ask Adder – (1.4%)	0.09	0.09	0.09	0.09	0.08	0.09
Energy Losses and Adjustments (6.8%)	0.32	0.32	0.30	0.32	0.29	0.31
Supply Management Fee (6%)	0.30	0.30	0.28	0.30	0.27	0.29
Margin/Operating Risk Adjustment (18.6%)	0.99	1.00	0.91	0.98	0.88	0.96
Average Energy Charge	6.35	6.36	5.83	6.25	5.63	6.14

¹ Energy price is calculated based on 180 days rolling average price of forwards for Cinergy Hub between 1/1/2009 and 7/9/2010 for delivery in 2012.
Source: Forward wholesale power prices are from ICE.

For Exhibit BB

2013	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices ¹	4.32	4.37	4.28	4.36	4.24	4.31
Covariance Adjustment	0.42	0.40	0.14	0.35	0.05	0.30
Capacity	0.23	0.20	0.14	0.17	0.12	0.18
Ask Adder – (1-4%)	0.15	0.15	0.14	0.15	0.13	0.14
Energy Losses and Adjustments (6.8%)	0.35	0.35	0.32	0.34	0.31	0.34
Supply Management Fee (6%)	0.33	0.33	0.30	0.32	0.29	0.32
Margin/Operating Risk Adjustment (18.6%)	1.08	1.08	0.99	1.06	0.95	1.04
Average Energy Charge	6.87	6.87	6.29	6.75	6.09	6.63

For Exhibit BB

2014	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices ¹	4.65	4.70	4.61	4.69	4.57	4.65
Covariance Adjustment	0.46	0.43	0.15	0.38	0.05	0.33
Capacity	0.84	0.75	0.51	0.63	0.43	0.66
Ask Adder – (1-4%)	0.24	0.24	0.21	0.23	0.20	0.23
Energy Losses and Adjustments (6.8%)	0.42	0.42	0.37	0.40	0.36	0.40
Supply Management Fee (6%)	0.40	0.39	0.35	0.38	0.34	0.38
Margin/Operating Risk Adjustment (18.6%)	1.30	1.29	1.15	1.25	1.10	1.23
Average Energy Charge	8.30	8.21	7.35	7.96	7.05	7.87

For Exhibit BB

2015	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices ¹	5.09	5.13	5.05	5.12	5.01	5.08
Covariance Adjustment	0.50	0.47	0.16	0.41	0.06	0.36
Capacity	1.32	1.18	0.79	0.99	0.67	1.04
Ask Adder - (1.4%)	0.28	0.27	0.24	0.26	0.23	0.26
Energy Losses and Adjustments (6.8%)	0.49	0.48	0.42	0.46	0.41	0.46
Supply Management Fee (6%)	0.46	0.45	0.40	0.43	0.38	0.43
Margin/Operating Risk Adjustment (18.6%)	1.51	1.48	1.31	1.43	1.26	1.42
Average Energy Charge	9.64	9.46	8.38	9.10	8.02	9.04

For Exhibit BB:

2016	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices	■	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■	■
Capacity	■	■	■	■	■	■
Ask Adder – (1-4%)	■	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■	■
Average Energy Charge	■	■	■	■	■	■

For Exhibit BB:

2017	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices	■	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■	■
Capacity	■	■	■	■	■	■
Ask Adder – (1-4%)	■	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■	■
Average Energy Charge	■	■	■	■	■	■

For Exhibit BB:

2018	Value				
Component	RS	DM	DP	DS	TS
Market Index of Electrical Energy Prices	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■
Capacity	■	■	■	■	■
Ask Adder - (1-4%)	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■
Average Energy Charge	■	■	■	■	■
					Weighted Average

For Exhibit BB:

2019	Value				
Component	RS	DM	DP	DS	TS
Market Index of Electrical Energy Prices	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■
Capacity	■	■	■	■	■
Ask Adder - (1-4%)	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■
Average Energy Charge	■	■	■	■	■
					Weighted Average

For Exhibit BB:

2020	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices	■	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■	■
Capacity	■	■	■	■	■	■
Ask Adder - (1-4%)	■	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■	■
Average Energy Charge	■	■	■	■	■	■

For Exhibit BB:

2021	Value					
Component	RS	DM	DP	DS	TS	Weighted Average
Market Index of Electrical Energy Prices	■	■	■	■	■	■
Covariance Adjustment	■	■	■	■	■	■
Capacity	■	■	■	■	■	■
Ask Adder - (1-4%)	■	■	■	■	■	■
Energy Losses and Adjustments (6.8%)	■	■	■	■	■	■
Supply Management Fee (6%)	■	■	■	■	■	■
Margin Operating Risk Adjustment (18.6%)	■	■	■	■	■	■
Average Energy Charge	■	■	■	■	■	■

Wholesale All-Hours Forward Energy Prices (Nominal\$/MWh)

Year	\$/MWh	Cents/kWh
2012	38.5	3.85
2013	41.2	4.12
2014	44.5	4.45
2015	48.8	4.88
2016		
2017		
2018		
2019		
2020		
2021		

Retail over Index Ratio

Customer Class	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
RS	1.57	1.59	1.78	1.89							
DM	1.56	1.57	1.75	1.85							
DP	1.46	1.47	1.59	1.66							
DS	1.53	1.55	1.70	1.78							
TS	1.42	1.44	1.54	1.60							
Simple Average	1.51	1.52	1.67	1.76							
Weighted Average	1.52	1.54	1.69	1.78							

Retail and Index Values

[illegible]

TAB 11

Tab 11: "CMO Calculation Assumptions"

Energy Charge (\$/kWh)	
Plus % Covariance	
Capacity Adder	
Ask Adder	
Losses	6.8%
Supply Management Fee	6.0%
Operating Risk Adjustment	18.6%
Uncollectible Expense	0.0%

2014-2015 PJM Auction EFORD	6.3%
-----------------------------	------

Source: PJM

PJM RPM/ICF (UCAP Nominal\$/kW-Yr)	
2011*	10
2012-2013	6
2013-2014	10
2014-2015	46
2015 ICF	
2016 ICF	
2017 ICF	
2018 ICF	
2019 ICF	
2020 ICF	
2021 ICF	

Source: PJM for 2012-2013, 2013-2014, 2014-2015 Auction Prices

Note: 2011 is MISO Capacity Price → Because DE-Ohio is still in MISO region in 2011.

Inflation Assumptions

2006\$ to 2010\$	7.17%
Post-2010\$ (per year)	2.50%

Capacity Prices for CMO Calculation*		Capacity Price Average
2012	8	8
2013	8	8
2014	31	31
2015	49	49
2016		
2017		
2018		
2019		
2020		
2021		

*Note: Capacity price averages are calculated based on weighted average of the number of months each PJM RPM capacity auction period covers for a specific year. For example, the 2013 annualized price consists of 5 months of the 2012-2013 Auction price and 7 months of the 2013-2014 Auction price. For years 2016 and onwards, we assume ICF annual forecast capacity price. We did not increase capacity cost by 8% as we have added a 4% Ask Adder and a 6% Supply Management Fee.

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Plus XX% Covariance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
DM	0.091	0.091	0.091	0.091	0.091						
DP	0.032	0.032	0.032	0.032	0.032						
DS	0.08	0.08	0.08	0.08	0.08						
DS Large	0.08	0.08	0.08	0.08	0.08						
DS Small	0.08	0.08	0.08	0.08	0.08						
RS	0.098	0.098	0.098	0.098	0.098						
RS Large	0.098	0.098	0.098	0.098	0.098						
RS Small	0.098	0.098	0.098	0.098	0.098						
TS	0.012	0.012	0.012	0.012	0.012						

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Plus % Ask Adder	1%	2%	3%	4%	4%	4%	4%	4%	4%	4%	4%

Source: Duke Energy Ohio

TAB 12

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Customer Class	Index Charge (cents/kWh)									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
RS	4.04	4.32	4.65	5.09						
DM	4.09	4.37	4.70	5.13						
DP	4.00	4.28	4.61	5.05						
DS	4.08	4.36	4.69	5.12						
TS	3.96	4.24	4.57	5.01						
Simple Average	4.03	4.31	4.64	5.08						
Weighted Average	4.04	4.31	4.65	5.08						

Customer Class	CMO price multiplier over index price									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
RS	1.57	1.59	1.78	1.89						
DM	1.56	1.57	1.75	1.85						
DP	1.46	1.47	1.59	1.66						
DS	1.53	1.55	1.70	1.78						
TS	1.42	1.44	1.54	1.60						
Simple Average	1.51	1.52	1.67	1.76						
Weighted Average	1.52	1.54	1.69	1.78						

Total Load (kWh)											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912
	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911	556,615,911
	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122
	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112
	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468
Average	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305
Total	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526

* Total Load (kWh) - averaged 2015-2017.

TAB 13

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Average Energy Charge (cents/kWh) - ALSO KNOWN AS CMAQ

Customer Class	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
RS	6.35	6.87	8.30	9.64						
DM	6.36	6.87	8.21	9.46						
DP	5.83	6.29	7.35	8.38						
DS	6.25	6.75	7.96	9.10						
TS	5.63	6.09	7.05	8.02						
Simple Average	6.08	6.57	7.77	8.92						
Weighted Average	6.14	6.63	7.87	9.04						

		Total Load (kWh)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
RS		7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912	7,650,653,912						
DM		556,615,911	556,615,911	556,615,911	556,615,911	556,615,911						
DP		2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122	2,645,753,122						
DS		7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112	7,012,515,112						
TS		3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468	3,439,993,468						
Average		4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305	4,261,106,305						
Total		21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526	21,305,531,526						

* Total Load (KWh) - averaged 2005-2007.

TAB 14

Tab 14: "Output1-CMO"

DM Customer

2012	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.09
Convariance Adjustment	0.37
Capacity	0.19
Ask Adder (2%)	0.09
Energy Losses and Adjustments (6.8%)	0.32
Supply Management Fee (6%)	0.30
Operating Risk Adjustment (18.57%)	1.00
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.36

2013	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.37
Convariance Adjustment	0.40
Capacity	0.20
Ask Adder (3%)	0.15
Energy Losses and Adjustments (6.8%)	0.35
Supply Management Fee (6%)	0.33
Operating Risk Adjustment (18.57%)	1.08
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.87

2014	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.70
Convariance Adjustment	0.43
Capacity	0.75
Ask Adder (4%)	0.24
Energy Losses and Adjustments (6.8%)	0.42
Supply Management Fee (6%)	0.39
Operating Risk Adjustment (18.57%)	1.29
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	8.21

2015	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	5.13
Convariance Adjustment	0.47
Capacity	1.18
Ask Adder (4%)	0.27
Energy Losses and Adjustments (6.8%)	0.48
Supply Management Fee (6%)	0.45
Operating Risk Adjustment (18.57%)	1.48
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	9.46

2016	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2017	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2018	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2019	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2020	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2021	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

Tab 14: "Output1-CMO"

DP Customer

2012	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.00
Convariance Adjustment	0.13
Capacity	0.12
Ask Adder (2%)	0.09
Energy Losses and Adjustments (6.8%)	0.30
Supply Management Fee (6%)	0.28
Operating Risk Adjustment (18.57%)	0.91
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	5.83

2013	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.28
Convariance Adjustment	0.14
Capacity	0.14
Ask Adder (3%)	0.14
Energy Losses and Adjustments (6.8%)	0.32
Supply Management Fee (6%)	0.30
Operating Risk Adjustment (18.57%)	0.99
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.29

2014	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.61
Convariance Adjustment	0.15
Capacity	0.51
Ask Adder (4%)	0.21
Energy Losses and Adjustments (6.8%)	0.37
Supply Management Fee (6%)	0.35
Operating Risk Adjustment (18.57%)	1.15
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	7.35

2015	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	5.05
Convariance Adjustment	0.16
Capacity	0.79
Ask Adder (4%)	0.24
Energy Losses and Adjustments (6.8%)	0.42
Supply Management Fee (6%)	0.40
Operating Risk Adjustment (18.57)	1.31
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	8.38

2016	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2017	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Covariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2018	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Covariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2019	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Conviance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2020	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Conviance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2021	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

Tab 14: "Output1-CMO"

DS Customer

2012	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.08
Convvariance Adjustment	0.33
Capacity	0.16
Ask Adder (2%)	0.09
Energy Losses and Adjustments (6.8%)	0.32
Supply Management Fee (6%)	0.30
Operating Risk Adjustment (18.57%)	0.98
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.25

2013	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.36
Convvariance Adjustment	0.35
Capacity	0.17
Ask Adder (3%)	0.15
Energy Losses and Adjustments (6.8%)	0.34
Supply Management Fee (6%)	0.32
Operating Risk Adjustment (18.57%)	1.06
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.75

2014	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.69
Convariance Adjustment	0.38
Capacity	0.63
Ask Adder (4%)	0.23
Energy Losses and Adjustments (6.8%)	0.40
Supply Management Fee (6%)	0.38
Operating Risk Adjustment (18.57%)	1.25
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	7.96

2015	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	5.12
Convariance Adjustment	0.41
Capacity	0.99
Ask Adder (4%)	0.26
Energy Losses and Adjustments (6.8%)	0.46
Supply Management Fee (6%)	0.43
Operating Risk Adjustment (18.57%)	1.43
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	9.10

2016	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2017	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2018	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2019	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2020	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2021	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

Tab 14: "Output1-CMO"

RS Customer

2012	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.04
Covariance Adjustment	0.40
Capacity	0.21
Ask Adder (2%)	0.09
Energy Losses and Adjustments (6.8%)	0.32
Supply Management Fee (6%)	0.30
Operating Risk Adjustment (18.57%)	0.99
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.35

2013	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.32
Covariance Adjustment	0.42
Capacity	0.23
Ask Adder (3%)	0.15
Energy Losses and Adjustments (6.8%)	0.35
Supply Management Fee (6%)	0.33
Operating Risk Adjustment (18.57%)	1.08
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.87

2014	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.65
Convariance Adjustment	0.46
Capacity	0.84
Ask Adder (4%)	0.24
Energy Losses and Adjustments (6.8%)	0.42
Supply Management Fee (6%)	0.40
Operating Risk Adjustment (18.57%)	1.30
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	8.30

2015	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	5.09
Convariance Adjustment	0.50
Capacity	1.32
Ask Adder (4%)	0.28
Energy Losses and Adjustments (6.8%)	0.49
Supply Management Fee (6%)	0.46
Operating Risk Adjustment (18.57%)	1.51
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	9.64

2016	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convvariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2017	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convvariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2018	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Conviance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2019	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Conviance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2020	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2021	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

Tab 14: "Output1-CMO"

TS Customer

2012	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	3.9616
Conviance Adjustment	0.0475
Capacity	0.1057
Ask Adder (2%)	0.0823
Energy Losses and Adjustments (6.8%)	0.2854
Supply Management Fee (6%)	0.2690
Operating Risk Adjustment (18.57%)	0.8824
Uncollectible Expense (1%)	0.0000
Average Energy Charge (cents/kWh)	5.63

2013	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.24
Conviance Adjustment	0.05
Capacity	0.12
Ask Adder (3%)	0.13
Energy Losses and Adjustments (6.8%)	0.31
Supply Management Fee (6%)	0.29
Operating Risk Adjustment (18.57%)	0.95
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	6.09

2014	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	4.57
Convariance Adjustment	0.05
Capacity	0.43
Ask Adder (4%)	0.20
Energy Losses and Adjustments (6.8%)	0.36
Supply Management Fee (6%)	0.34
Operating Risk Adjustment (18.57%)	1.10
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	7.05

2015	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	5.01
Convariance Adjustment	0.06
Capacity	0.67
Ask Adder (4%)	0.23
Energy Losses and Adjustments (6.8%)	0.41
Supply Management Fee (6%)	0.38
Operating Risk Adjustment (18.57%)	1.26
Uncollectible Expense (1%)	0.00
Average Energy Charge (cents/kWh)	8.02

2016	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2017	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2018	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2019	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2020	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

2021	
Component	Non-Block Pricing with Capacity Charge
Market Index of Electrical Energy Prices (\$/kWh)	■
Convariance Adjustment	■
Capacity	■
Ask Adder (4%)	■
Energy Losses and Adjustments (6.8%)	■
Supply Management Fee (6%)	■
Operating Risk Adjustment (18.57)	■
Uncollectible Expense (1%)	■
Average Energy Charge (cents/kWh)	■

TAB 15

Tab 15: "TS Customer"

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	kWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2012	2005-2007	1	14908.97	4505421	352	4883478	392	5248308	46.1	38.4	207724.1	187479.4
	2005-2007	2	14550.17	4146425	320	4431277	352	4656053	46.1	38.4	191172.5	170119.1
	2005-2007	3	14172.47	4431945	368	4461612	376	5215468	43.4	33.5	192169.3	149290.0
	2005-2007	4	14533.93	4221310	320	4760888	400	4650859	43.4	33.5	183036.2	159304.1
	2005-2007	5	14703.77	4744166	368	4819816	376	5410986	42.7	30.4	202805.4	146304.8
	2005-2007	6	15403.37	4731678	352	4962243	368	5421985	45.6	31.5	215559.4	156089.5
	2005-2007	7	15267.27	4526120	336	5234263	408	5129802	53.6	36.6	242659.2	191782.6
	2005-2007	8	15288.93	5049107	368	5075927	376	5626327	53.6	36.6	270698.1	185981.2
	2005-2007	9	15066.27	4514725	336	5023141	384	5061930	44.5	31.1	201027.7	156470.0
	2005-2007	10	14603.37	4477852	352	4789166	392	5140385	43.4	31.8	194422.4	152534.3
	2005-2007	11	14396.17	4407180	352	4494572	368	5067451	43.4	31.8	191353.9	142853.2
	2005-2007	12	14142.50	4187418	336	4860825	408	4751880	43.4	31.8	181812.2	154494.0
			53,943,348		4,160	57,807,208	4,600	#####	45.770	33.774	2474440.4	1952702.3
			Total kWh				111,750,556					

Energy Charge (\$/kWh)	\$	3.9616	\$	0.0459
Plus % Covariance	\$	0.0475		0.012
Capacity Adder	\$	0.1057	0.10573859	
Ask Adder	\$	0.0823	0.02	
Losses	\$	0.2854	0.068	
Supply Management Fee	\$	0.2690	0.06	
Operating Risk Adjustment	\$	0.8824	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	5.63	cents/kWh	
TOTAL ENERGY CHARGE	\$	5.63	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times ho	On Peak	Off Peak	On Peak	Off Peak
2013	2005-2007	1	14909.97	4505421	352	4883478	392	5248308	49.1	41.4	221272.2	202364.5
2013	2005-2007	2	14550.17	4146425	320	4431277	352	4656053	49.1	41.4	203641.1	183626.0
2013	2005-2007	3	14172.47	4431945	388	4461612	376	5215468	46.3	36.3	205269.7	161860.5
2013	2005-2007	4	14533.93	4221310	320	4760888	400	4650859	46.3	36.3	195513.9	172717.8
2013	2005-2007	5	14703.77	4744166	368	4819816	376	5410986	45.2	33.1	214626.5	159345.0
2013	2005-2007	6	15403.37	4731678	352	4962243	368	5421985	48.1	34.3	227436.5	170450.2
2013	2005-2007	7	15267.27	4526120	336	5234263	408	5129802	58.2	38.5	263201.8	201372.5
2013	2005-2007	8	15288.93	5049107	368	5075927	376	5626327	58.2	38.5	293614.4	195281.0
2013	2005-2007	9	15065.27	4514725	336	5023141	384	5061930	46.9	34.0	211754.7	170665.7
2013	2005-2007	10	14603.37	4477852	352	4799166	392	5140385	45.1	34.7	202095.2	166477.2
2013	2005-2007	11	14396.17	4407180	352	4494572	368	5067451	45.1	34.7	198905.6	155911.2
2013	2005-2007	12	14142.50	4187418	336	4860825	408	4751880	45.1	34.7	188987.3	168616.1
				53,943,348	4,160	57,807,208	4,600	#####	48.6	36.5	2626318.9	2108687.6
						Total kWh	111,750,556					

Energy Charge (\$/kWh)	\$	4.2371	\$	0.0487
Plus % Covariance	\$	0.0508		0.012
Capacity Adder	\$	0.1159	0.1158861	
Ask Adder	\$	0.1321	0.03	
Losses	\$	0.3084	0.068	
Supply Management Fee	\$	0.2907	0.06	
Operating Risk Adjustment	\$	0.9536	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	6.09	cents/kWh	
TOTAL ENERGY CHARGE	\$	6.09	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	kWh	times hou	On Peak	Off Peak	Off Peak
2014	2005-2007	1	14909.97	4505421	352	4883478	392	4883478	5248308	52.3	44.3	216340.9
2014	2005-2007	2	14550.17	4146425	320	4431277	352	4431277	4656053	52.3	44.3	196308.2
2014	2005-2007	3	14172.47	4431945	368	4461612	376	4461612	5215468	49.6	39.6	176508.8
2014	2005-2007	4	14533.93	4221310	320	4760888	400	4760888	4650859	49.6	39.6	188348.7
2014	2005-2007	5	14703.77	4744166	368	4819816	376	4819816	5410986	48.9	36.2	174260.9
2014	2005-2007	6	15403.37	4731678	352	4862243	368	4862243	5421985	51.2	37.4	185691.7
2014	2005-2007	7	15267.27	4526120	336	5234263	408	5234263	5129802	61.5	42.2	220817.9
2014	2005-2007	8	15288.93	5049107	368	5075927	376	5075927	5626327	61.5	42.2	214138.2
2014	2005-2007	9	15065.27	4514725	336	5023141	384	5023141	5061930	50.2	37.3	187219.8
2014	2005-2007	10	14603.37	4477852	352	4798166	392	4798166	5140385	48.3	38.4	184281.5
2014	2005-2007	11	14396.17	4407180	352	4494572	368	4494572	5067451	48.3	38.4	172585.5
2014	2005-2007	12	14142.50	4187418	336	4860825	408	4860825	4751880	48.3	38.4	186649.1
				53,943,348	4,160	57,807,208	4,600	57,807,208	#####	51.9	39.8	2303151.0
						Total kWh	111,750,556					

Energy Charge (\$/kWh)	\$	4.5700	\$	0.0520
Plus % Covariance	\$	0.0548		0.012
Capacity Adder	\$	0.4277	0.42772498	
Ask Adder	\$	0.2021	0.04	
Losses	\$	0.3573	0.068	
Supply Management Fee	\$	0.3367	0.06	
Operating Risk Adjustment	\$	1.1047	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	7.05	cents/kWh	
TOTAL ENERGY CHARGE	\$	7.05	cents/kWh	

Year	Year	Month	Peak KW	On Peak KWh	On Peak HOURS	Off Peak KWh	Off Peak HOURS	Peak kW times hou	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load										
2015	2005-2007	1	14909.97	4505421	352	4883478	392	5248308	55.1	51.5	248193.0
2015	2005-2007	2	14550.17	4146425	320	4431277	352	4656053	55.1	51.5	228416.7
2015	2005-2007	3	14172.47	4431945	368	4461612	376	5215468	52.7	45.2	233584.7
2015	2005-2007	4	14533.93	4221310	320	4760888	400	4650859	52.7	45.2	222483.3
2015	2005-2007	5	14703.77	4744166	368	4819816	376	5410986	51.6	41.1	244638.8
2015	2005-2007	6	15403.37	4731678	352	4962243	368	5421985	54.5	41.7	257815.4
2015	2005-2007	7	15267.27	4526120	336	5234263	408	5129802	66.3	48.2	295749.7
2015	2005-2007	8	15288.93	5049107	368	5075927	376	5626327	66.3	48.2	329923.2
2015	2005-2007	9	15065.27	4514725	336	5023141	384	5061930	53.8	42.7	242825.3
2015	2005-2007	10	14603.37	4477852	352	4789166	392	5140385	51.4	43.3	230149.2
2015	2005-2007	11	14396.17	4407180	352	4494572	368	5067451	51.4	43.3	226516.9
2015	2005-2007	12	14142.50	4187418	336	4860825	408	4751880	51.4	43.3	215221.7
				53,943,348	4,160	57,807,208	4,600	#####	55.0	45.4	2975517.8
						Total kWh	111,750,556				2625642.1

Energy Charge (\$/kWh)	\$	5.0122	\$	0.0552
Plus % Covariance	\$	0.0601		0.012
Capacity Adder	\$	0.6720	0.67196659	
Ask Adder	\$	0.2298	0.04	
Losses	\$	0.4062	0.068	
Supply Management Fee	\$	0.3828	0.06	
Operating Risk Adjustment	\$	1.2559	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	8.02	cents/kWh	
TOTAL ENERGY CHARGE	\$	8.02	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	On Peak	Off Peak
2017	2005-2007	1							
2017	2005-2007	2							
2017	2005-2007	3							
2017	2005-2007	4							
2017	2006-2007	5							
2017	2005-2007	6							
2017	2005-2007	7							
2017	2005-2007	8							
2017	2005-2007	9							
2017	2005-2007	10							
2017	2005-2007	11							
2017	2005-2007	12							
			Total kWh						

Energy Charge (\$/kWh)	
Plus % Covariance	
Capacity Adder	
Ask Adder	
Losses	
Supply Management Fee	
Operating Risk Adjustment	
Uncollectible Expense	
Average Energy Charge	cents/kWh
TOTAL ENERGY CHARGE	cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	Off Peak
Pricing	Load		KW	KWh	KWh	times hours	On Peak	Off Peak
2018	2005-2007	1						
2018	2005-2007	2						
2018	2005-2007	3						
2018	2005-2007	4						
2018	2005-2007	5						
2018	2005-2007	6						
2018	2005-2007	7						
2018	2005-2007	8						
2018	2005-2007	9						
2018	2005-2007	10						
2018	2005-2007	11						
2018	2005-2007	12						
			Total kWh					

Energy Charge (\$/kWh)		
Plus % Covariance		
Capacity Adder		
Ask Adder		
Losses		
Supply Management Fee		
Operating Risk Adjustment		
Uncollectible Expense		
Average Energy Charge	cents/kWh	
TOTAL ENERGY CHARGE	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	Off Peak
Pricing	Load		KW	kWh	HOURS	kWh	times hours	On Peak	Off Peak
2019	2005-2007	1							
2019	2005-2007	2							
2019	2005-2007	3							
2019	2005-2007	4							
2019	2005-2007	5							
2019	2005-2007	6							
2019	2005-2007	7							
2019	2005-2007	8							
2019	2005-2007	9							
2019	2005-2007	10							
2019	2005-2007	11							
2019	2005-2007	12							
			Total kWh						

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	On Peak	Off Peak
2020	2005-2007	1							
2020	2005-2007	2							
2020	2005-2007	3							
2020	2005-2007	4							
2020	2005-2007	5							
2020	2005-2007	6							
2020	2005-2007	7							
2020	2005-2007	8							
2020	2005-2007	9							
2020	2005-2007	10							
2020	2005-2007	11							
2020	2005-2007	12							
			Total kWh						

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	Off Peak
Pricing	Load		KW	KWh	HOURS	times hours	On Peak	Off Peak
2021	2005-2007	1						
2021	2005-2007	2						
2021	2005-2007	3						
2021	2005-2007	4						
2021	2005-2007	5						
2021	2005-2007	6						
2021	2005-2007	7						
2021	2005-2007	8						
2021	2005-2007	9						
2021	2005-2007	10						
2021	2005-2007	11						
2021	2005-2007	12						
			Total kWh					

Energy Charge (\$/kWh)	
Plus % Covariance	
Capacity Adder	
Ask Adder	
Losses	
Supply Management Fee	
Operating Risk Adjustment	
Uncollectible Expense	
Average Energy Charge	cents/kWh
TOTAL ENERGY CHARGE	
	cents/kWh

TAB 16

Tab 16: "RS Customer"

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)				On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak	On Peak	Off Peak
2012	2006	1	2.43	542	352	563	392	854	46.1	38.4	25.0	21.6		
2012	2006	2	2.45	504	320	548	352	784	46.1	38.4	23.3	21.0		
2012	2006	3	2.13	474	368	477	376	786	43.4	33.5	20.5	16.0		
2012	2006	4	1.73	356	320	397	400	554	43.4	33.5	15.5	13.3		
2012	2006	5	2.42	434	368	378	376	890	42.7	30.4	18.5	11.5		
2012	2006	6	2.87	582	352	491	368	1012	45.6	31.5	26.5	15.4		
2012	2006	7	3.19	642	336	632	408	1072	53.6	36.6	34.4	23.1		
2012	2006	8	3.30	764	368	629	376	1213	53.6	36.6	41.0	23.0		
2012	2006	9	2.50	476	336	455	384	841	44.5	31.1	21.3	14.2		
2012	2006	10	2.23	406	352	398	392	785	43.4	31.8	17.6	12.7		
2012	2006	11	1.97	446	352	427	368	694	43.4	31.8	19.4	13.6		
2012	2006	12	2.45	553	336	602	408	824	43.4	31.8	24.0	19.1		
				6,181	4,160	5,997	4,600	10,308	45.8	33.8	287.0	204.6		
							Total kWh	12,179						

Energy Charge (\$/kWh)	\$	4.0359	\$	0.0464
Plus % Covariance	\$	0.3955		0.098
Capacity Adder	\$	0.2076		0.20755181
Ask Adder	\$	0.0928		0.02
Losses	\$	0.3218		0.068
Supply Management Fee	\$	0.3032		0.06
Operating Risk Adjustment	\$	0.9947		0.1857
Uncollectible Expense	\$	-		0
Average Energy Charge	\$	6.35	cents/kWh	
TOTAL ENERGY CHARGE	\$	6.35	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)		On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	kWh		times hou	On Peak	Off Peak	On Peak	Off Peak
2013	2006	1	2.43	542	352	563	563	392	854	49.1	41.4	26.6	23.3
2013	2006	2	2.45	504	320	548	548	352	784	49.1	41.4	24.8	22.7
2013	2006	3	2.13	474	368	477	477	376	786	46.3	36.3	21.9	17.3
2013	2006	4	1.73	356	320	397	397	400	554	46.3	36.3	16.5	14.4
2013	2006	5	2.42	434	368	378	378	376	890	45.2	33.1	19.6	12.5
2013	2006	6	2.87	582	352	491	491	368	1012	48.1	34.3	28.0	16.9
2013	2006	7	3.19	642	336	632	632	408	1072	58.2	38.5	37.3	24.3
2013	2006	8	3.30	764	368	629	629	376	1213	58.2	38.5	44.4	24.2
2013	2006	9	2.50	478	336	455	455	384	841	46.9	34.0	22.4	15.5
2013	2006	10	2.23	406	352	398	398	392	785	45.1	34.7	18.3	13.8
2013	2006	11	1.97	446	352	427	427	368	694	45.1	34.7	20.1	14.8
2013	2006	12	2.45	553	336	602	602	408	824	45.1	34.7	25.0	20.9
				6,181	4,160	5,997	5,997	4,600	10,308	48.6	36.5	305.0	220.6
							Total kWh	12,179					

Energy Charge (\$/kWh)	\$	4.3159	\$	0.0493
Plus % Covariance	\$	0.4230		0.098
Capacity Adder	\$	0.2275	0.22747011	
Ask Adder	\$	0.1490	0.03	
Losses	\$	0.3478	0.068	
Supply Management Fee	\$	0.3278	0.06	
Operating Risk Adjustment	\$	1.0754	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	6.87	cents/kWh	
TOTAL ENERGY CHARGE	\$	6.87	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)		On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2014	2006	1	2.43	542	352	563	392	854	52.3	44.3	28.4	24.9
2014	2006	2	2.45	504	320	548	352	784	52.3	44.3	26.4	24.3
2014	2006	3	2.13	474	368	477	376	786	49.6	39.6	23.5	18.9
2014	2006	4	1.73	356	320	397	400	554	49.6	39.6	17.7	15.7
2014	2006	5	2.42	434	368	378	376	890	48.9	36.2	21.2	13.7
2014	2006	6	2.87	582	352	491	368	1012	51.2	37.4	29.8	18.4
2014	2006	7	3.19	642	336	632	408	1072	61.5	42.2	39.5	26.6
2014	2006	8	3.30	764	368	629	376	1213	61.5	42.2	47.0	26.5
2014	2006	9	2.50	478	336	455	384	841	50.2	37.3	24.0	17.0
2014	2006	10	2.23	406	352	398	392	785	48.3	38.4	19.6	15.3
2014	2006	11	1.97	446	352	427	368	694	48.3	38.4	21.6	16.4
2014	2006	12	2.45	553	336	602	408	824	48.3	38.4	26.7	23.1
				6,181	4,160	5,997	4,600	10,308	51.9	39.8	325.4	240.8
						Total kWh	12,179					

Energy Charge (\$/kWh)	\$	4.6488	\$	0.0526
Plus % Covariance	\$	0.4556		0.098
Capacity Adder	\$	0.8396	0.83957136	
Ask Adder	\$	0.2378	0.04	
Losses	\$	0.4204	0.068	
Supply Management Fee	\$	0.3961	0.06	
Operating Risk Adjustment	\$	1.2996	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	8.30	cents/kWh	
TOTAL ENERGY CHARGE	\$	8.30	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	KWh	HOURS	KWh	KWh		times hou	On Peak	Off Peak	On Peak	Off Peak
2015	2006	1	2.43	542	352	563	392	854	55.1	51.5	29.9	29.0	
2015	2006	2	2.45	504	320	548	352	784	55.1	51.5	27.8	28.2	
2015	2006	3	2.13	474	368	477	376	786	52.7	45.2	25.0	21.6	
2015	2006	4	1.73	356	320	397	400	554	52.7	45.2	18.8	17.9	
2015	2006	5	2.42	434	368	378	376	890	51.6	41.1	22.4	15.6	
2015	2006	6	2.87	582	352	491	368	1012	54.5	41.7	31.7	20.5	
2015	2006	7	3.19	642	336	632	408	1072	65.3	48.2	41.9	30.4	
2015	2006	8	3.30	764	368	629	376	1213	65.3	48.2	49.9	30.3	
2015	2006	9	2.50	478	336	455	384	841	53.8	42.7	25.7	19.5	
2015	2006	10	2.23	406	352	398	392	785	51.4	43.3	20.9	17.2	
2015	2006	11	1.97	446	352	427	368	694	51.4	43.3	22.9	18.5	
2015	2006	12	2.45	553	336	602	408	824	51.4	43.3	28.4	26.1	
				6,181	4,160	5,997	4,600	10,308	55.0	45.4	345.3	274.7	
				Total kWh				12,179					

Energy Charge (\$/kWh)	\$	5.0906	\$	0.0559
Plus % Covariance	\$	0.4989		0.098
Capacity Adder	\$	1.3190	1.31898751	
Ask Adder	\$	0.2763	0.04	
Losses	\$	0.4886	0.068	
Supply Management Fee	\$	0.4604	0.06	
Operating Risk Adjustment	\$	1.5104	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	9.64	cents/kWh	
TOTAL ENERGY CHARGE	\$	9.64	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours						
2016	2006	1												
2016	2006	2												
2016	2006	3												
2016	2006	4												
2016	2006	5												
2016	2006	6												
2016	2006	7												
2016	2006	8												
2016	2006	9												
2016	2006	10												
2016	2006	11												
2016	2006	12												
										Total kWh				

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)		
Pricing	Load										
2017	2008	1									
2017	2006	2									
2017	2006	3									
2017	2006	4									
2017	2006	5									
2017	2006	6									
2017	2006	7									
2017	2006	8									
2017	2006	9									
2017	2006	10									
2017	2006	11									
2017	2006	12									
Total kWh											

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE		cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours						
2018	2006	1												
2018	2006	2												
2018	2006	3												
2018	2006	4												
2018	2006	5												
2018	2006	6												
2018	2006	7												
2018	2006	8												
2018	2006	9												
2018	2006	10												
2018	2006	11												
2018	2006	12												
Total kWh														

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2019	2006	1											
2019	2006	2											
2019	2006	3											
2019	2006	4											
2019	2006	5											
2019	2006	6											
2019	2006	7											
2019	2006	8											
2019	2006	9											
2019	2006	10											
2019	2006	11											
2019	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS		times hours					
2020	2006	1												
2020	2006	2												
2020	2006	3												
2020	2006	4												
2020	2006	5												
2020	2006	6												
2020	2006	7												
2020	2006	8												
2020	2006	9												
2020	2006	10												
2020	2006	11												
2020	2006	12												
										Total kWh				

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2021	2006	1											
2021	2006	2											
2021	2006	3											
2021	2006	4											
2021	2006	5											
2021	2006	6											
2021	2006	7											
2021	2006	8											
2021	2006	9											
2021	2006	10											
2021	2006	11											
2021	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

TAB 17

Tab 17: "DS Customer"

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	
2012	2006	1	53.12	15629	352	12162	392	18697	46.1	38.4	466.9
2012	2006	2	53.12	14355	320	11321	352	16999	46.1	38.4	434.6
2012	2006	3	52.87	15885	368	11564	376	19458	43.4	33.5	386.9
2012	2006	4	56.07	14473	320	11408	400	17942	43.4	33.5	381.7
2012	2006	5	64.62	16976	368	11585	376	23780	42.7	30.4	351.7
2012	2006	6	67.17	18167	352	12851	368	23645	45.6	31.5	404.2
2012	2006	7	68.21	17945	336	14442	408	22918	53.6	36.6	529.1
2012	2006	8	69.98	20581	368	14174	376	25752	53.6	36.6	519.3
2012	2006	9	64.29	16855	336	12744	384	21603	44.5	31.1	397.0
2012	2006	10	62.60	16138	352	11805	392	22035	43.4	31.8	375.2
2012	2006	11	52.24	14948	352	10715	368	18388	43.4	31.8	340.6
2012	2006	12	52.95	14559	336	12206	408	17790	43.4	31.8	387.9
				196,512	4,160	146,975	4,600	249,005	45.8	33.8	4975.2
						Total kWh	343,487				

Energy Charge (\$/kWh)	\$	4.0832	\$	0.0461
Plus % Covariance	\$	0.3267		0.08
Capacity Adder	\$	0.1563	0.15628372	
Ask Adder	\$	0.0913	0.02	
Losses	\$	0.3167	0.068	
Supply Management Fee	\$	0.2984	0.06	
Operating Risk Adjustment	\$	0.9791	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	6.25	cents/kWh	
TOTAL ENERGY CHARGE	\$	6.25	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)		On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2013	2006	1	53.12	15629	352	12162	392	18697	49.1	41.4	767.6	504.0
2013	2006	2	53.12	14355	320	11321	352	16999	49.1	41.4	705.0	469.1
2013	2006	3	52.87	15885	368	11564	376	19458	46.3	36.3	735.7	419.5
2013	2006	4	56.07	14473	320	11408	400	17942	46.3	36.3	670.3	413.9
2013	2006	5	64.62	16976	368	11585	376	23780	45.2	33.1	768.0	383.0
2013	2006	6	67.17	18167	352	12851	368	23645	48.1	34.3	873.2	441.4
2013	2006	7	68.21	17945	336	14442	408	22918	58.2	38.5	1043.6	555.6
2013	2006	8	69.98	20581	368	14174	376	25752	58.2	38.5	1196.8	545.3
2013	2006	9	64.29	16855	336	12744	384	21603	46.9	34.0	790.5	433.0
2013	2006	10	62.60	16138	352	11805	392	22035	45.1	34.7	728.4	409.5
2013	2006	11	52.24	14948	352	10715	368	18388	45.1	34.7	674.7	371.7
2013	2006	12	52.95	14559	336	12206	408	17790	45.1	34.7	657.1	423.4
				196,512	4,160	146,975	4,600	249,005	48.6	36.5	9610.9	5369.4
				Total kWh		343,487						

Energy Charge (\$/kWh)	\$ 4.3812	\$ 0.0489
Plus % Covariance	\$ 0.3489	0.08
Capacity Adder	\$ 0.1713	0.17128194
Ask Adder	\$ 0.1464	0.03
Losses	\$ 0.3419	0.068
Supply Management Fee	\$ 0.3222	0.06
Operating Risk Adjustment	\$ 1.0570	0.1857
Uncollectible Expense	\$ -	0
Average Energy Charge	\$ 6.75	cents/kWh
TOTAL ENERGY CHARGE	\$ 6.75	cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hour	On Peak	Off Peak	On Peak	Off Peak
2014	2006	1	53.12	15629	352	12162	392	18697	52.3	44.3	817.7	538.8
2014	2006	2	53.12	14355	320	11321	352	16999	52.3	44.3	751.1	501.5
2014	2006	3	52.87	15885	368	11564	376	19458	49.6	39.6	788.0	457.5
2014	2006	4	56.07	14473	320	11408	400	17942	49.6	39.6	718.0	451.3
2014	2006	5	64.62	16976	368	11585	376	23780	48.9	36.2	829.9	418.9
2014	2006	6	67.17	18167	352	12851	368	23645	51.2	37.4	930.5	480.9
2014	2006	7	68.21	17945	336	14442	408	22918	61.5	42.2	1104.5	609.3
2014	2006	8	69.98	20581	368	14174	376	25752	61.5	42.2	1266.7	597.9
2014	2006	9	64.29	16855	336	12744	384	21603	50.2	37.3	845.6	475.0
2014	2006	10	62.60	16138	352	11805	392	22035	48.3	38.4	780.0	453.3
2014	2006	11	52.24	14948	352	10715	368	18388	48.3	38.4	722.5	411.4
2014	2006	12	52.95	14559	336	12206	408	17790	48.3	38.4	703.7	468.7
				196,512	4,160	146,975	4,600	249,005	51.9	39.8	10258.2	5864.4
				Total kWh				343,487				

Energy Charge (\$/kWh)	\$	4.6938	\$	0.0522
Plus % Covariance	\$	0.3755		0.08
Capacity Adder	\$	0.6322		0.63218596
Ask Adder	\$	0.2281		0.04
Losses	\$	0.4032		0.068
Supply Management Fee	\$	0.3800		0.06
Operating Risk Adjustment	\$	1.2466		0.1857
Uncollectible Expense	\$	-		0
Average Energy Charge	\$	7.96	cents/kWh	
TOTAL ENERGY CHARGE	\$	7.96	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	
2015	2006	1	53.12	15629	352	12162	392	18697	55.1	51.5	861.0
2015	2006	2	53.12	14355	320	11321	352	16999	55.1	51.5	790.8
2015	2006	3	52.87	15885	368	11564	376	19458	52.7	45.2	837.2
2015	2006	4	56.07	14473	320	11408	400	17942	52.7	45.2	762.8
2015	2006	5	64.62	16976	368	11585	376	23780	51.6	41.1	875.4
2015	2006	6	67.17	18167	352	12851	368	23645	54.5	41.7	989.9
2015	2006	7	68.21	17945	336	14442	408	22918	65.3	48.2	1172.6
2015	2006	8	69.98	20581	368	14174	376	25752	65.3	48.2	1344.8
2015	2006	9	64.29	16855	336	12744	384	21603	53.8	42.7	906.5
2015	2006	10	62.60	16138	352	11805	392	22035	51.4	43.3	829.5
2015	2006	11	52.24	14948	352	10715	368	18388	51.4	43.3	768.3
2015	2006	12	52.95	14559	336	12206	408	17790	51.4	43.3	748.3
				196,512	4,160	146,975	4,600	249,005	55.0	45.4	10887.1
						Total kWh	343,487				6685.9

Energy Charge (\$/kWh)	\$	5.1160	\$	0.0554
Plus % Covariance	\$	0.4093		0.08
Capacity Adder	\$	0.9932	0.99317987	
Ask Adder	\$	0.2607	0.04	
Losses	\$	0.4610	0.068	
Supply Management Fee	\$	0.4344	0.06	
Operating Risk Adjustment	\$	1.4252	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	9.10	cents/kWh	
TOTAL ENERGY CHARGE	\$	9.10	cents/kWh	

Year	Year	Month	Peak	On Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	KWh		times hours					
2016	2006	1										
2016	2006	2										
2016	2006	3										
2016	2006	4										
2016	2006	5										
2016	2006	6										
2016	2006	7										
2016	2006	8										
2016	2006	9										
2016	2006	10										
2016	2006	11										
2016	2006	12										
												Total kWh

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	HOURS	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	KWh		times hours					
2017	2006	1										
2017	2006	2										
2017	2006	3										
2017	2006	4										
2017	2006	5										
2017	2006	6										
2017	2006	7										
2017	2006	8										
2017	2006	9										
2017	2006	10										
2017	2006	11										
2017	2006	12										
Total kWh												

Energy Charge (\$/kWh)		
Plus % Covariance		
Capacity Adder		
Ask Adder		
Losses		
Supply Management Fee		
Operating Risk Adjustment		
Uncollectible Expense		
Average Energy Charge		cents/kWh
TOTAL ENERGY CHARGE		cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		kW	kWh	HOURS	kWh	HOURS	times hours	On Peak	Off Peak	On Peak	Off Peak
2018	2006	1										
2018	2006	2										
2018	2006	3										
2018	2006	4										
2018	2006	5										
2018	2006	6										
2018	2006	7										
2018	2006	8										
2018	2006	9										
2018	2006	10										
2018	2006	11										
2018	2006	12										
Total kWh												

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours					
2019	2006	1											
2019	2006	2											
2019	2006	3											
2019	2006	4											
2019	2006	5											
2019	2006	6											
2019	2006	7											
2019	2006	8											
2019	2006	9											
2019	2006	10											
2019	2006	11											
2019	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours						
2020	2006	1												
2020	2006	2												
2020	2006	3												
2020	2006	4												
2020	2006	5												
2020	2006	6												
2020	2006	7												
2020	2006	8												
2020	2006	9												
2020	2006	10												
2020	2006	11												
2020	2006	12												
Total kwh														

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	Hours	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	KWh	HOURS	times hours					
2021	2008	1										
2021	2008	2										
2021	2008	3										
2021	2008	4										
2021	2008	5										
2021	2008	6										
2021	2008	7										
2021	2008	8										
2021	2008	9										
2021	2008	10										
2021	2008	11										
2021	2008	12										
			Total kWh									

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

TAB 18

Tab 18: "DP Customer"

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2012	2006	1	1267.21	390219	352	377976	392	446057	46.1	38.4	17991.2	14510.7
2012	2006	2	1231.72	356011	320	343982	352	394151	46.1	38.4	16414.0	13205.7
2012	2006	3	1347.03	431781	368	393717	376	495708	43.4	33.5	18722.0	13174.2
2012	2006	4	1340.88	384636	320	387250	400	429083	43.4	33.5	16677.8	12957.8
2012	2006	5	1462.23	425634	368	386148	376	538101	42.7	30.4	18195.2	11721.5
2012	2006	6	1609.60	478477	352	446232	368	566579	45.6	31.5	21797.8	14036.4
2012	2006	7	1542.90	453742	336	467254	408	518414	53.6	36.6	24326.5	17120.1
2012	2006	8	1584.85	515120	368	469167	376	583224	53.6	36.6	27617.2	17190.2
2012	2006	9	1498.86	435153	336	434534	384	503618	44.5	31.1	19376.1	13535.7
2012	2006	10	1451.91	429025	352	410261	392	511073	43.4	31.8	18627.7	13039.5
2012	2006	11	1303.27	387392	352	352948	368	458750	43.4	31.8	16820.0	11217.9
2012	2006	12	1212.73	358828	336	370149	408	407478	43.4	31.8	15579.8	11764.6
				5,046,017	4,160	4,839,618	4,600	5,852,237	45.8	33.8	232145.4	163474.3
						Total kWh	9,885,635					

Energy Charge (\$/kWh)	\$	4.0020	\$	0.0450
Plus % Covariance	\$	0.1281		0.032
Capacity Adder	\$	0.1249		0.12490532
Ask Adder	\$	0.0851		0.02
Losses	\$	0.2951		0.068
Supply Management Fee	\$	0.2781		0.06
Operating Risk Adjustment	\$	0.9124		0.1857
Uncollectible Expense	\$	-		0
Average Energy Charge	\$	5.83		cents/kWh
TOTAL ENERGY CHARGE	\$	5.83		cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)				On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak	On Peak	Off Peak
2013	2006	1	1267.21	390219	352	377976	392	446057	49.1	41.4	19164.6	15662.8		
2013	2006	2	1231.72	356011	320	343982	352	394151	49.1	41.4	17484.6	14254.1		
2013	2006	3	1347.03	431781	368	393717	376	495708	46.3	36.3	19998.3	14283.5		
2013	2006	4	1340.88	384636	320	387250	400	429083	46.3	36.3	17814.8	14048.8		
2013	2006	5	1462.23	425634	368	386148	376	538101	45.2	33.1	19255.7	12766.2		
2013	2006	6	1609.60	478477	352	446232	368	566579	48.1	34.3	22998.8	15327.8		
2013	2006	7	1542.90	453742	336	467254	408	518414	58.2	38.5	26385.9	17976.2		
2013	2006	8	1584.85	515120	368	489167	376	583224	58.2	38.5	29955.1	18049.8		
2013	2006	9	1498.86	435153	336	434534	384	503618	46.9	34.0	20410.0	14763.7		
2013	2006	10	1451.91	429025	352	410261	392	511073	45.1	34.7	19362.8	14231.5		
2013	2006	11	1303.27	387392	352	352948	368	458750	45.1	34.7	17483.8	12243.3		
2013	2006	12	1212.73	358828	336	370149	408	407478	45.1	34.7	16194.7	12840.0		
				5,046,017	4,160	4,839,618	4,600	5,852,237	48.6	36.5	246509.2	176447.7		
							Total kWh	9,885,635						

Energy Charge (\$/kWh)		\$	4.2785	\$	0.0489
Plus % Covariance		\$	0.1369		0.032
Capacity Adder		\$	0.1369		0.13689222
Ask Adder		\$	0.1366		0.03
Losses		\$	0.3188		0.068
Supply Management Fee		\$	0.3005		0.06
Operating Risk Adjustment		\$	0.9857		0.1857
Uncollectible Expense		\$	-		0
Average Energy Charge		\$	6.29	cents/kWh	
TOTAL ENERGY CHARGE		\$	6.29	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2014	2006	1	1267.21	390219	352	377976	392	446057	52.3	44.3	20416.6	16744.5
2014	2006	2	1231.72	356011	320	343982	352	394151	52.3	44.3	18626.8	15238.6
2014	2006	3	1347.03	431781	368	393717	376	495708	49.6	39.6	21418.8	15576.1
2014	2006	4	1340.88	384636	320	387250	400	429083	49.6	39.6	19080.2	15320.2
2014	2006	5	1462.23	425634	368	386148	376	538101	48.9	36.2	20809.0	13961.2
2014	2006	6	1609.60	478477	352	446232	368	566579	51.2	37.4	24508.2	16698.4
2014	2006	7	1542.90	453742	336	467254	408	518414	61.5	42.2	27926.7	19712.0
2014	2006	8	1584.85	515120	368	469167	376	583224	61.5	42.2	31704.4	19792.8
2014	2006	9	1498.86	435153	336	434534	384	503618	50.2	37.3	21832.6	16195.7
2014	2006	10	1451.91	429025	352	410261	392	511073	48.3	38.4	20735.6	15753.5
2014	2006	11	1303.27	387392	352	352948	368	458750	48.3	38.4	18723.4	13552.7
2014	2006	12	1212.73	358828	336	370149	408	407478	48.3	38.4	17342.8	14213.2
				5,046,017	4,160	4,839,618	4,600	5,852,237	51.9	39.8	263125.0	192759.1
							Total kWh	9,885,635				

Energy Charge (\$/kWh)		\$	4.6116	\$	0.0521
Plus % Covariance		\$	0.1476		0.032
Capacity Adder		\$	0.5053		0.50525666
Ask Adder		\$	0.2106		0.04
Losses		\$	0.3723		0.068
Supply Management Fee		\$	0.3508		0.06
Operating Risk Adjustment		\$	1.1510		0.1857
Uncollectible Expense		\$	-		0
Average Energy Charge		\$	7.35	cents/kWh	
TOTAL ENERGY CHARGE		\$	7.35	cents/kWh	

Year	Year	Month	Peak	On Peak	Off Peak	Off Peak	Off Peak	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	Peak kW times hou	On Peak	Off Peak
2015	2006	1	1267.21	390219	352	377976	392	446057	55.1	51.5
2015	2006	2	1231.72	356011	320	343982	352	394151	55.1	51.5
2015	2006	3	1347.03	431781	368	393717	376	495708	52.7	45.2
2015	2006	4	1340.88	384636	320	387250	400	429083	52.7	45.2
2015	2006	5	1462.23	425634	368	386148	376	538101	51.6	41.1
2015	2006	6	1609.60	478477	352	446232	368	566579	54.5	41.7
2015	2006	7	1542.90	453742	336	467254	408	518414	65.3	48.2
2015	2006	8	1584.85	516120	368	469167	376	583224	65.3	48.2
2015	2006	9	1498.86	435153	336	434534	384	503618	53.8	42.7
2015	2006	10	1451.91	429025	352	410261	392	511073	51.4	43.3
2015	2006	11	1303.27	387392	352	352948	368	458750	51.4	43.3
2015	2006	12	1212.73	358828	336	370149	408	407478	51.4	43.3
				5,046,017	4,160	4,839,618	4,600	5,852,237	55.0	45.4
							Total kWh	9,885,635		

Energy Charge (\$/kWh)	\$	5.0475	\$	0.0553
Plus % Covariance	\$	0.1615		0.032
Capacity Adder	\$	0.7938	0.7937079	
Ask Adder	\$	0.2401	0.04	
Losses	\$	0.4245	0.068	
Supply Management Fee	\$	0.4000	0.06	
Operating Risk Adjustment	\$	1.3124	0.1857	
Uncollectible Expense	\$	-	0	
Average Energy Charge	\$	8.38	cents/kWh	
TOTAL ENERGY CHARGE	\$	8.38	cents/kWh	

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours					
2016	2006	1											
2016	2006	2											
2016	2006	3											
2016	2006	4											
2016	2006	5											
2016	2006	6											
2016	2006	7											
2016	2006	8											
2016	2006	9											
2016	2006	10											
2016	2006	11											
2016	2006	12											
Total kWh													

Energy Charge (\$/kWh)	
Plus % Covariance	
Capacity Adder	
Ask Adder	
Losses	
Supply Management Fee	
Operating Risk Adjustment	
Uncollectible Expense	
Average Energy Charge	cents/kWh
TOTAL ENERGY CHARGE	cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2017	2006	1											
2017	2006	2											
2017	2006	3											
2017	2006	4											
2017	2006	5											
2017	2006	6											
2017	2006	7											
2017	2006	8											
2017	2006	9											
2017	2006	10											
2017	2006	11											
2017	2006	12											
Total kWh													

Energy Charge (\$/kWh)		
Plus % Covariance		
Capacity Adder		
Ask Adder		
Losses		
Supply Management Fee		
Operating Risk Adjustment		
Uncollectible Expense		
Average Energy Charge		cents/kWh
TOTAL ENERGY CHARGE		cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2018	2006	1											
2018	2006	2											
2018	2006	3											
2018	2006	4											
2018	2006	5											
2018	2006	6											
2018	2006	7											
2018	2006	8											
2018	2006	9											
2018	2006	10											
2018	2006	11											
2018	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2019	2008	1											
2019	2008	2											
2019	2008	3											
2019	2008	4											
2019	2008	5											
2019	2008	6											
2019	2008	7											
2019	2008	8											
2019	2008	9											
2019	2008	10											
2019	2008	11											
2019	2008	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours	On Peak	Off Peak	On Peak	Off P
2020	2006	1										
2020	2006	2										
2020	2006	3										
2020	2006	4										
2020	2006	5										
2020	2006	6										
2020	2006	7										
2020	2006	8										
2020	2006	9										
2020	2006	10										
2020	2006	11										
2020	2006	12										
Total kWh												

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off P
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours						
2021	2006	1												
2021	2006	2												
2021	2006	3												
2021	2006	4												
2021	2006	5												
2021	2006	6												
2021	2006	7												
2021	2006	8												
2021	2006	9												
2021	2006	10												
2021	2006	11												
2021	2006	12												
Total kWh														

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE		cents/kWh	

TAB 19

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)			
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hou	On Peak	Off Peak	On Peak	Off Peak
2013	2006	1	2.58	688	352	552	392	908	49.1	41.4	33.8	22.9
2013	2006	2	2.54	620	320	509	352	812	49.1	41.4	30.5	21.1
2013	2006	3	2.44	658	368	493	376	897	46.3	36.3	30.5	17.9
2013	2006	4	2.38	563	320	455	400	761	46.3	36.3	26.1	16.5
2013	2006	5	2.95	657	368	456	376	1086	45.2	33.1	29.7	15.1
2013	2006	6	3.21	754	352	524	368	1130	48.1	34.3	36.2	18.0
2013	2006	7	3.38	778	336	627	408	1137	58.2	38.5	45.2	24.1
2013	2006	8	3.48	891	368	610	376	1280	58.2	38.5	51.8	23.5
2013	2006	9	3.00	669	336	514	384	1008	46.9	34.0	31.4	17.5
2013	2006	10	2.87	618	352	458	392	1011	45.1	34.7	27.9	15.9
2013	2006	11	2.26	594	352	448	368	795	45.1	34.7	26.8	15.6
2013	2006	12	2.50	630	336	552	408	839	45.1	34.7	28.4	19.1
				8,119	4,160	6,199	4,600	11,664	48.6	36.5	398.3	227.1
							Total kWh	14,318				

Energy Charge (\$/kWh)		\$ 4.3677	\$ 0.0491
Plus % Covariance		\$ 0.3975	0.091
Capacity Adder		\$ 0.2042	0.20421313
Ask Adder		\$ 0.1491	0.03
Losses		\$ 0.3481	0.068
Supply Management Fee		\$ 0.3280	0.06
Operating Risk Adjustment		\$ 1.0760	0.1857
Uncollectible Expense		\$ -	0
Average Energy Charge		\$ 6.87	cents/kWh
TOTAL ENERGY CHARGE		\$ 6.87	cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak
Pricing	Load		kW	kWh	HOURS	kWh	HOURS	times hou	On Peak	Off Peak	Off Peak
2014	2006	1	2.58	688	352	552	392	908	52.3	44.3	24.4
2014	2006	2	2.54	620	320	509	352	812	52.3	44.3	22.6
2014	2006	3	2.44	658	368	493	376	897	49.6	39.6	19.5
2014	2006	4	2.38	563	320	455	400	761	49.6	39.6	18.0
2014	2006	5	2.95	657	368	456	376	1086	48.9	36.2	16.5
2014	2006	6	3.21	754	352	524	368	1130	51.2	37.4	19.6
2014	2006	7	3.38	778	336	627	408	1137	61.5	42.2	26.4
2014	2006	8	3.48	891	368	610	376	1280	61.5	42.2	25.7
2014	2006	9	3.00	669	336	514	384	1008	50.2	37.3	19.2
2014	2006	10	2.87	618	352	458	392	1011	48.3	38.4	17.6
2014	2006	11	2.26	594	352	448	368	795	48.3	38.4	17.2
2014	2006	12	2.50	630	336	552	408	839	48.3	38.4	21.2
				8,119	4,160	6,199	4,600	11,664	51.9	39.8	248.0
							Total kWh	14,318			

Energy Charge (\$/kWh)	\$ 4.7002	\$ 0.0523
Plus % Covariance	\$ 0.4277	0.091
Capacity Adder	\$ 0.7537	0.75373196
Ask Adder	\$ 0.2353	0.04
Losses	\$ 0.4160	0.068
Supply Management Fee	\$ 0.3920	0.06
Operating Risk Adjustment	\$ 1.2859	0.1857
Uncollectible Expense	\$ -	0
Average Energy Charge	\$ 8.21	cents/kWh
TOTAL ENERGY CHARGE	\$ 8.21	cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	HOURS	Peak kW	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KW/h	HOURS	kWh	kWh		times hours						
2016	2006	1													
2016	2006	2													
2016	2006	3													
2016	2006	4													
2016	2006	5													
2016	2006	6													
2016	2006	7													
2016	2006	8													
2016	2006	9													
2016	2006	10													
2016	2006	11													
2016	2006	12													
Total kWh															

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	kWh	HOURS	times hours	On Peak	Off Peak	On Peak	Off Peak
2017	2006	1										
2017	2006	2										
2017	2006	3										
2017	2006	4										
2017	2006	5										
2017	2006	6										
2017	2006	7										
2017	2006	8										
2017	2006	9										
2017	2006	10										
2017	2006	11										
2017	2006	12										
Total kWh												

Energy Charge (\$/kWh)		
Plus % Covariance		
Capacity Adder		
Ask Adder		
Losses		
Supply Management Fee		
Operating Risk Adjustment		
Uncollectible Expense		
Average Energy Charge		cents/kWh
TOTAL ENERGY CHARGE		cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2018	2006	1											
2018	2006	2											
2018	2006	3											
2018	2006	4											
2018	2006	5											
2018	2006	6											
2018	2006	7											
2018	2006	8											
2018	2006	9											
2018	2006	10											
2018	2006	11											
2018	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KWh	HOURS	KWh	HOURS	times hours					
2019	2006	1											
2019	2006	2											
2019	2006	3											
2019	2006	4											
2019	2006	5											
2019	2006	6											
2019	2006	7											
2019	2006	8											
2019	2006	9											
2019	2006	10											
2019	2006	11											
2019	2006	12											
Total kWh													

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge		cents/kWh	
TOTAL ENERGY CHARGE			cents/kWh

Year	Year	Month	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		kW	kWh	HOURS	kWh	HOURS	times hours					
2020	2006	1											
2020	2006	2											
2020	2006	3											
2020	2006	4											
2020	2006	5											
2020	2006	6											
2020	2006	7											
2020	2006	8											
2020	2006	9											
2020	2006	10											
2020	2006	11											
2020	2006	12											
Total kWh													

Energy Charge (\$/kWh)		
Plus % Covariance		
Capacity Adder		
Ask Adder		
Losses		
Supply Management Fee		
Operating Risk Adjustment		
Uncollectible Expense		
Average Energy Charge		cents/kWh
TOTAL ENERGY CHARGE		cents/kWh

Year	Year	Month	Peak	Peak	On Peak	On Peak	Off Peak	Off Peak	Peak kW	Forward Prices (\$/MWh)	On Peak	Off Peak	On Peak	Off Peak
Pricing	Load		KW	KW/h	HOURS	KWh	HOURS	KWh	times hours					
2021	2006	1												
2021	2006	2												
2021	2006	3												
2021	2006	4												
2021	2006	5												
2021	2006	6												
2021	2006	7												
2021	2006	8												
2021	2006	9												
2021	2008	10												
2021	2006	11												
2021	2006	12												
Total kWh														

Energy Charge (\$/kWh)			
Plus % Covariance			
Capacity Adder			
Ask Adder			
Losses			
Supply Management Fee			
Operating Risk Adjustment			
Uncollectible Expense			
Average Energy Charge			cents/kWh
TOTAL ENERGY CHARGE			cents/kWh

TAB 20

CONFIDENTIAL

ICF Forecast

[illegible]

TAB 21

76% of Energy Margin

Rate Components Based on CBM Model Run with ICF Curves

Period	FPP Rate (\$/MWh)	AAC Rate (\$/MWh)	Energy Margin Credit (\$/MWh)	Capacity Charge (\$/MWh)	SRT Rate (\$/MWh)
2012			\$7.05	27.66	
2013			\$12.45	26.02	
2014			\$14.67	29.23	
2015			\$18.24	31.65	
2016					
2017					
2018					
2019					
2020					
2021					

100% of Energy Margin

Energy Margin Credit (\$/MWh)
\$9.27
\$16.39
\$19.30
\$24.00

81% of Energy Margin

Rate Components Based on CBM Model Run with ICF Curves

Period	FPP Rate (\$/MWh)	AAC Rate (\$/MWh)	Energy Margin Credit (\$/MWh)	Capacity Charge (\$/MWh)	SRT Rate (\$/MWh)
2012			\$7.51	27.66	
2013			\$13.27	26.02	
2014			\$15.63	29.23	
2015			\$19.44	31.65	
2016					
2017					
2018					
2019					
2020					
2021					

Source: Duke Energy Ohio

TAB 22

Print Auxiliary Services Calculation

[illegible]

CID	Product
N481	
N482	
N483	
N484	
N485	
N486	
N487	
N488	
N489	
N490	
N491	
N492	
N493	
N494	
N495	
N496	
N497	
N498	
N499	
N500	

ICE Forward Prices for A2 Milk (Month of 2014)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
On Month	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339	3340	3341	3342	3343	3344	3345	3346	3347	3348	3349	3350	3351	3352	3353	3354	3355	3356	3357	3358	3359	3360	3361	3362	3363	3364	3365	3366	3367	3368	3369	3370	3371	3372	3373	3374	3375	3376	3377	3378	3379	3380	3381	3382	3383	3384</

On	Off	Day	Time	Location	Remarks
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
319	320	321	322	323	324
325	326	327	328	329	330
331	332	333	334	335	336
337	338	339	340	341	342
343	344	345	346	347	348
349	350	351	352	353	354
355	356	357	358	359	360
361	362	363	364	365	366
367	368	369	370	371	372
373	374	375	376	377	378
379	380	381	382	383	384
385	386	387	388	389	390
391	392	393	394	395	396
397	398	399	400	401	402
403	404	405	406	407	40

	Year	Amount	Percent
2001			
2002			
2003			
2004			
2005			
2006			
2007			
2008			
2009			
2010			
Total			

1000

TAB 23

Historical Inflation Table

Year	Index	Multiplier to 2010\$
1997	84.56	1.31
1998	85.51	1.29
1999	86.77	1.28
2000	88.65	1.25
2001	90.65	1.22
2002	92.12	1.20
2003	94.10	1.18
2004	96.77	1.14
2005	100.00	1.11
2006	103.26	1.07
2007	106.30	1.04
2008	108.62	1.02
2009	109.62	1.01
2010	110.66	1.00

Source: BEA NIPA Tables

Note: Post 2010 inflation is assumed to be 2.5%

TAB 24

CONFIDENTIAL

ICF forecast of Natural Gas Price Delivered to Duke Energy Ohio Region[illegible]

TAB 25

Nominal \$

	November 2010 - April 2011
2011	4.38
2012	4.96
2013	5.28
2014	5.54
2015	5.78

2010\$

Year	November 2010 - April 2011
2011	4.28
2012	4.72
2013	4.91
2014	5.01
2015	5.11

2011 YTD and Futures		
January	4.47	Historical
February	4.06	
March	3.95	
April	4.25	
May	4.25	
June	4.31	Futures
July	4.38	
August	4.41	
September	4.43	
October	4.49	
November	4.67	
December	4.92	
2011 Average	4.38	

Note: 2011-2015 Henry Hub futures are from November 1, 2010 to April 30, 2011 trade dates.

Source: Bloomberg

TAB 26

Tab 26: "Historical Gas Prices"

Natural Gas Prices Daily Data (Nominal\$/MMBtu)

Year	Month	Date	HH Nominal	Chicago CG	DomS	TX Gas Z 1
1995	1	1-Jan-95	1.70	1.72	2.00	#N/A N/A
1995	1	2-Jan-95	1.70	1.72	2.00	#N/A N/A
1995	1	3-Jan-95	1.74	1.83	2.03	#N/A N/A
1995	1	4-Jan-95	1.71	1.82	1.99	#N/A N/A
1995	1	5-Jan-95	1.63	1.78	1.98	#N/A N/A
1995	1	6-Jan-95	1.61	1.72	1.86	#N/A N/A
1995	1	7-Jan-95	1.61	1.72	1.86	#N/A N/A
1995	1	8-Jan-95	1.61	1.72	1.86	#N/A N/A
1995	1	9-Jan-95	1.58	1.63	1.83	#N/A N/A
1995	1	10-Jan-95	1.48	1.56	5.30	#N/A N/A
1995	1	11-Jan-95	1.46	1.51	1.73	#N/A N/A
1995	1	12-Jan-95	1.34	1.39	1.65	#N/A N/A
1995	1	13-Jan-95	1.25	1.35	1.47	#N/A N/A
1995	1	14-Jan-95	1.25	1.35	1.47	#N/A N/A
1995	1	15-Jan-95	1.25	1.35	1.47	#N/A N/A
1995	1	16-Jan-95	1.31	1.37	1.47	#N/A N/A
1995	1	17-Jan-95	1.39	1.43	1.51	#N/A N/A
1995	1	18-Jan-95	1.42	1.54	1.80	#N/A N/A
1995	1	19-Jan-95	1.41	1.45	1.80	#N/A N/A
1995	1	20-Jan-95	1.52	1.48	1.80	#N/A N/A
1995	1	21-Jan-95	1.52	1.48	1.80	#N/A N/A
1995	1	22-Jan-95	1.52	1.48	1.80	#N/A N/A
1995	1	23-Jan-95	1.52	1.47	1.64	#N/A N/A
1995	1	24-Jan-95	1.39	1.49	1.65	#N/A N/A
1995	1	25-Jan-95	1.41	1.46	1.65	#N/A N/A

1995	1	26-Jan-95	1.43	1.49	1.64	#N/A
1995	1	27-Jan-95	1.43	1.46	1.64	#N/A
1995	1	28-Jan-95	1.43	1.46	1.64	#N/A
1995	1	29-Jan-95	1.43	1.46	1.64	#N/A
1995	1	30-Jan-95	1.42	1.49	1.64	#N/A
1995	1	31-Jan-95	1.42	1.48	1.64	#N/A
1995	2	1-Feb-95	1.42	1.44	1.67	#N/A
1995	2	2-Feb-95	1.43	1.45	1.72	#N/A
1995	2	3-Feb-95	1.54	1.51	1.87	#N/A
1995	2	4-Feb-95	1.54	1.51	1.87	#N/A
1995	2	5-Feb-95	1.54	1.51	1.87	#N/A
1995	2	6-Feb-95	1.66	1.57	2.80	#N/A
1995	2	7-Feb-95	1.59	1.55	1.90	#N/A
1995	2	8-Feb-95	1.54	1.57	1.90	#N/A
1995	2	9-Feb-95	1.70	1.65	1.90	#N/A
1995	2	10-Feb-95	1.74	1.80	1.88	#N/A
1995	2	11-Feb-95	1.74	1.80	1.88	#N/A
1995	2	12-Feb-95	1.74	1.80	1.88	#N/A
1995	2	13-Feb-95	1.69	1.70	1.82	#N/A
1995	2	14-Feb-95	1.57	1.53	1.82	#N/A
1995	2	15-Feb-95	1.54	1.49	1.65	#N/A
1995	2	16-Feb-95	1.53	1.46	1.62	#N/A
1995	2	17-Feb-95	1.42	1.46	1.57	#N/A
1995	2	18-Feb-95	1.42	1.46	1.57	#N/A
1995	2	19-Feb-95	1.42	1.46	1.57	#N/A
1995	2	20-Feb-95	1.42	1.47	1.58	#N/A
1995	2	21-Feb-95	1.43	1.47	1.62	#N/A
1995	2	22-Feb-95	1.45	1.44	1.62	#N/A
1995	2	23-Feb-95	1.45	1.44	1.62	#N/A
1995	2	24-Feb-95	1.44	1.45	1.63	#N/A
1995	2	25-Feb-95	1.44	1.45	1.63	#N/A

1995	2	26-Feb-95	1.44	1.45	1.63	#N/A N/A
1995	2	27-Feb-95	1.45	1.59	1.62	#N/A N/A
1995	2	28-Feb-95	1.45	1.47	1.62	#N/A N/A
1995	3	1-Mar-95	1.52	1.53	1.65	#N/A N/A
1995	3	2-Mar-95	1.52	1.59	1.67	#N/A N/A
1995	3	3-Mar-95	1.52	1.54	1.67	#N/A N/A
1995	3	4-Mar-95	1.52	1.54	1.67	#N/A N/A
1995	3	5-Mar-95	1.52	1.54	1.67	#N/A N/A
1995	3	6-Mar-95	1.47	1.55	1.67	#N/A N/A
1995	3	7-Mar-95	1.48	1.57	1.68	#N/A N/A
1995	3	8-Mar-95	1.55	1.57	1.73	#N/A N/A
1995	3	9-Mar-95	1.53	1.52	1.73	#N/A N/A
1995	3	10-Mar-95	1.52	1.48	1.64	#N/A N/A
1995	3	11-Mar-95	1.52	1.48	1.64	#N/A N/A
1995	3	12-Mar-95	1.52	1.48	1.64	#N/A N/A
1995	3	13-Mar-95	1.50	1.44	1.64	#N/A N/A
1995	3	14-Mar-95	1.52	1.43	1.62	#N/A N/A
1995	3	15-Mar-95	1.55	1.43	1.64	#N/A N/A
1995	3	16-Mar-95	1.58	1.45	1.64	#N/A N/A
1995	3	17-Mar-95	1.54	1.45	1.64	#N/A N/A
1995	3	18-Mar-95	1.54	1.45	1.64	#N/A N/A
1995	3	19-Mar-95	1.54	1.45	1.64	#N/A N/A
1995	3	20-Mar-95	1.53	1.47	1.65	#N/A N/A
1995	3	21-Mar-95	1.46	1.46	1.64	#N/A N/A
1995	3	22-Mar-95	1.46	1.47	1.64	#N/A N/A
1995	3	23-Mar-95	1.46	1.57	1.76	#N/A N/A
1995	3	24-Mar-95	1.56	1.56	1.75	#N/A N/A
1995	3	25-Mar-95	1.56	1.56	1.75	#N/A N/A
1995	3	26-Mar-95	1.56	1.56	1.75	#N/A N/A
1995	3	27-Mar-95	1.57	1.64	1.75	#N/A N/A
1995	3	28-Mar-95	1.57	1.59	1.75	#N/A N/A

1995	3	29-Mar-95	1.55	1.64	1.75	#N/A	N/A
1995	3	30-Mar-95	1.55	1.64	1.77	#N/A	N/A
1995	3	31-Mar-95	1.58	1.64	1.77	#N/A	N/A
1995	4	1-Apr-95	1.58	1.64	1.77	#N/A	N/A
1995	4	2-Apr-95	1.58	1.64	1.77	#N/A	N/A
1995	4	3-Apr-95	1.57	1.64	1.79	#N/A	N/A
1995	4	4-Apr-95	1.69	1.62	1.84	#N/A	N/A
1995	4	5-Apr-95	1.65	1.64	1.84	#N/A	N/A
1995	4	6-Apr-95	1.56	1.62	1.75	#N/A	N/A
1995	4	7-Apr-95	1.53	1.60	1.75	#N/A	N/A
1995	4	8-Apr-95	1.53	1.60	1.75	#N/A	N/A
1995	4	9-Apr-95	1.53	1.60	1.75	#N/A	N/A
1995	4	10-Apr-95	1.56	1.61	1.75	#N/A	N/A
1995	4	11-Apr-95	1.59	1.63	1.72	#N/A	N/A
1995	4	12-Apr-95	1.59	1.64	1.72	#N/A	N/A
1995	4	13-Apr-95	1.60	1.63	1.72	#N/A	N/A
1995	4	14-Apr-95	1.60	1.63	1.72	#N/A	N/A
1995	4	15-Apr-95	1.60	1.63	1.72	#N/A	N/A
1995	4	16-Apr-95	1.60	1.63	1.72	#N/A	N/A
1995	4	17-Apr-95	1.60	1.62	1.77	#N/A	N/A
1995	4	18-Apr-95	1.63	1.67	1.77	#N/A	N/A
1995	4	19-Apr-95	1.65	1.72	1.77	#N/A	N/A
1995	4	20-Apr-95	1.69	1.71	1.83	#N/A	N/A
1995	4	21-Apr-95	1.68	1.70	1.83	#N/A	N/A
1995	4	22-Apr-95	1.68	1.70	1.83	#N/A	N/A
1995	4	23-Apr-95	1.68	1.70	1.83	#N/A	N/A
1995	4	24-Apr-95	1.68	1.69	1.84	#N/A	N/A
1995	4	25-Apr-95	1.69	1.69	1.83	#N/A	N/A
1995	4	26-Apr-95	1.69	1.69	1.85	#N/A	N/A
1995	4	27-Apr-95	1.68	1.69	1.85	#N/A	N/A
1995	4	28-Apr-95	1.62	1.69	1.85	#N/A	N/A

1995	4	29-Apr-95	1.62	1.69	1.85	#N/A N/A
1995	4	30-Apr-95	1.62	1.69	1.85	#N/A N/A
1995	5	1-May-95	1.66	1.68	1.85	#N/A N/A
1995	5	2-May-95	1.69	1.67	1.84	#N/A N/A
1995	5	3-May-95	1.65	1.64	1.86	#N/A N/A
1995	5	4-May-95	1.62	1.64	1.86	#N/A N/A
1995	5	5-May-95	1.59	1.62	1.81	#N/A N/A
1995	5	6-May-95	1.59	1.62	1.81	#N/A N/A
1995	5	7-May-95	1.59	1.62	1.81	#N/A N/A
1995	5	8-May-95	1.63	1.58	1.83	#N/A N/A
1995	5	9-May-95	1.63	1.62	1.85	#N/A N/A
1995	5	10-May-95	1.61	1.66	1.85	#N/A N/A
1995	5	11-May-95	1.60	1.63	1.84	#N/A N/A
1995	5	12-May-95	1.62	1.60	1.81	#N/A N/A
1995	5	13-May-95	1.62	1.60	1.81	#N/A N/A
1995	5	14-May-95	1.62	1.60	1.81	#N/A N/A
1995	5	15-May-95	1.64	1.65	1.81	#N/A N/A
1995	5	16-May-95	1.66	1.68	1.83	#N/A N/A
1995	5	17-May-95	1.64	1.68	1.83	#N/A N/A
1995	5	18-May-95	1.60	1.68	1.83	#N/A N/A
1995	5	19-May-95	1.66	1.62	1.83	#N/A N/A
1995	5	20-May-95	1.66	1.62	1.83	#N/A N/A
1995	5	21-May-95	1.66	1.62	1.83	#N/A N/A
1995	5	22-May-95	1.73	1.72	1.88	#N/A N/A
1995	5	23-May-95	1.73	1.75	1.88	#N/A N/A
1995	5	24-May-95	1.75	1.72	1.89	#N/A N/A
1995	5	25-May-95	1.73	1.72	1.87	#N/A N/A
1995	5	26-May-95	1.74	1.72	1.87	#N/A N/A
1995	5	27-May-95	1.74	1.72	1.87	#N/A N/A
1995	5	28-May-95	1.74	1.72	1.87	#N/A N/A
1995	5	29-May-95	1.74	1.72	1.87	#N/A N/A

1995	5	30-May-95	1.74	1.72	1.86	#N/A N/A
1995	5	31-May-95	1.70	1.72	1.86	#N/A N/A
1995	6	1-Jun-95	1.68	1.72	1.83	#N/A N/A
1995	6	2-Jun-95	1.63	1.62	1.81	#N/A N/A
1995	6	3-Jun-95	1.63	1.62	1.81	#N/A N/A
1995	6	4-Jun-95	1.63	1.62	1.81	#N/A N/A
1995	6	5-Jun-95	1.65	1.61	1.83	#N/A N/A
1995	6	6-Jun-95	1.68	1.64	1.81	#N/A N/A
1995	6	7-Jun-95	1.69	1.66	1.79	#N/A N/A
1995	6	8-Jun-95	1.70	1.63	1.81	#N/A N/A
1995	6	9-Jun-95	1.67	1.63	1.81	#N/A N/A
1995	6	10-Jun-95	1.67	1.63	1.81	#N/A N/A
1995	6	11-Jun-95	1.67	1.63	1.81	#N/A N/A
1995	6	12-Jun-95	1.66	1.64	1.80	#N/A N/A
1995	6	13-Jun-95	1.68	1.65	1.80	#N/A N/A
1995	6	14-Jun-95	1.68	1.66	1.77	#N/A N/A
1995	6	15-Jun-95	1.66	1.67	1.78	#N/A N/A
1995	6	16-Jun-95	1.60	1.62	1.77	#N/A N/A
1995	6	17-Jun-95	1.60	1.62	1.77	#N/A N/A
1995	6	18-Jun-95	1.60	1.62	1.77	#N/A N/A
1995	6	19-Jun-95	1.66	1.58	1.78	#N/A N/A
1995	6	20-Jun-95	1.65	1.64	1.74	#N/A N/A
1995	6	21-Jun-95	1.60	1.63	1.73	#N/A N/A
1995	6	22-Jun-95	1.57	1.58	1.67	#N/A N/A
1995	6	23-Jun-95	1.55	1.57	1.67	#N/A N/A
1995	6	24-Jun-95	1.55	1.57	1.67	#N/A N/A
1995	6	25-Jun-95	1.55	1.57	1.67	#N/A N/A
1995	6	26-Jun-95	1.53	1.50	1.64	#N/A N/A
1995	6	27-Jun-95	1.51	1.50	1.63	#N/A N/A
1995	6	28-Jun-95	1.51	1.50	1.63	#N/A N/A
1995	6	29-Jun-95	1.50	1.49	1.63	#N/A N/A

1995	6	30-Jun-95	1.54	1.49	1.63	#N/A N/A
1995	7	1-Jul-95	1.54	1.49	1.63	#N/A N/A
1995	7	2-Jul-95	1.54	1.49	1.63	#N/A N/A
1995	7	3-Jul-95	1.54	1.48	1.63	#N/A N/A
1995	7	4-Jul-95	1.54	1.49	1.63	#N/A N/A
1995	7	5-Jul-95	1.39	1.45	1.63	#N/A N/A
1995	7	6-Jul-95	1.35	1.39	1.54	#N/A N/A
1995	7	7-Jul-95	1.28	1.31	1.53	#N/A N/A
1995	7	8-Jul-95	1.28	1.31	1.53	#N/A N/A
1995	7	9-Jul-95	1.28	1.31	1.53	#N/A N/A
1995	7	10-Jul-95	1.40	1.40	1.56	#N/A N/A
1995	7	11-Jul-95	1.48	1.55	1.61	#N/A N/A
1995	7	12-Jul-95	1.50	1.51	1.59	#N/A N/A
1995	7	13-Jul-95	1.46	1.48	1.74	#N/A N/A
1995	7	14-Jul-95	1.46	1.43	1.58	#N/A N/A
1995	7	15-Jul-95	1.46	1.43	1.58	#N/A N/A
1995	7	16-Jul-95	1.46	1.43	1.58	#N/A N/A
1995	7	17-Jul-95	1.47	1.45	1.59	#N/A N/A
1995	7	18-Jul-95	1.50	1.47	1.57	#N/A N/A
1995	7	19-Jul-95	1.49	1.48	1.56	#N/A N/A
1995	7	20-Jul-95	1.46	1.48	1.57	#N/A N/A
1995	7	21-Jul-95	1.46	1.43	1.52	#N/A N/A
1995	7	22-Jul-95	1.46	1.43	1.52	#N/A N/A
1995	7	23-Jul-95	1.46	1.43	1.52	#N/A N/A
1995	7	24-Jul-95	1.45	1.44	1.50	#N/A N/A
1995	7	25-Jul-95	1.37	1.41	1.48	#N/A N/A
1995	7	26-Jul-95	1.40	1.41	1.50	#N/A N/A
1995	7	27-Jul-95	1.40	1.41	1.50	#N/A N/A
1995	7	28-Jul-95	1.40	1.41	1.50	#N/A N/A
1995	7	29-Jul-95	1.40	1.41	1.50	#N/A N/A
1995	7	30-Jul-95	1.40	1.41	1.50	#N/A N/A

1995	7	31-Jul-95	1.45	1.49	1.83	#N/A N/A
1995	8	1-Aug-95	1.48	1.54	1.83	#N/A N/A
1995	8	2-Aug-95	1.40	1.46	1.83	#N/A N/A
1995	8	3-Aug-95	1.51	1.53	1.58	#N/A N/A
1995	8	4-Aug-95	1.42	1.41	1.57	#N/A N/A
1995	8	5-Aug-95	1.42	1.41	1.57	#N/A N/A
1995	8	6-Aug-95	1.42	1.41	1.57	#N/A N/A
1995	8	7-Aug-95	1.42	1.48	1.54	#N/A N/A
1995	8	8-Aug-95	1.46	1.53	1.54	#N/A N/A
1995	8	9-Aug-95	1.50	1.55	1.54	#N/A N/A
1995	8	10-Aug-95	1.52	1.62	1.54	#N/A N/A
1995	8	11-Aug-95	1.45	1.55	1.67	#N/A N/A
1995	8	12-Aug-95	1.45	1.55	1.67	#N/A N/A
1995	8	13-Aug-95	1.45	1.55	1.67	#N/A N/A
1995	8	14-Aug-95	1.55	1.61	1.77	#N/A N/A
1995	8	15-Aug-95	1.65	1.70	1.77	#N/A N/A
1995	8	16-Aug-95	1.59	1.64	1.77	#N/A N/A
1995	8	17-Aug-95	1.57	1.63	1.77	#N/A N/A
1995	8	18-Aug-95	1.63	1.66	1.80	#N/A N/A
1995	8	19-Aug-95	1.63	1.66	1.80	#N/A N/A
1995	8	20-Aug-95	1.63	1.66	1.80	#N/A N/A
1995	8	21-Aug-95	1.67	1.68	1.82	#N/A N/A
1995	8	22-Aug-95	1.64	1.68	1.81	#N/A N/A
1995	8	23-Aug-95	1.57	1.58	1.68	#N/A N/A
1995	8	24-Aug-95	1.57	1.60	1.66	#N/A N/A
1995	8	25-Aug-95	1.58	1.62	1.69	#N/A N/A
1995	8	26-Aug-95	1.58	1.62	1.69	#N/A N/A
1995	8	27-Aug-95	1.58	1.62	1.69	#N/A N/A
1995	8	28-Aug-95	1.57	1.64	1.69	#N/A N/A
1995	8	29-Aug-95	1.57	1.64	1.69	#N/A N/A
1995	8	30-Aug-95	1.57	1.64	1.69	#N/A N/A

1995	8	31-Aug-95	1.63	1.77	1.69	#N/A N/A
1995	9	1-Sep-95	1.65	1.77	1.69	#N/A N/A
1995	9	2-Sep-95	1.65	1.77	1.69	#N/A N/A
1995	9	3-Sep-95	1.65	1.77	1.69	#N/A N/A
1995	9	4-Sep-95	1.65	1.77	1.69	#N/A N/A
1995	9	5-Sep-95	1.66	1.72	1.74	#N/A N/A
1995	9	6-Sep-95	1.65	1.70	1.67	#N/A N/A
1995	9	7-Sep-95	1.60	1.61	1.69	#N/A N/A
1995	9	8-Sep-95	1.59	1.59	1.68	#N/A N/A
1995	9	9-Sep-95	1.59	1.59	1.68	#N/A N/A
1995	9	10-Sep-95	1.59	1.59	1.68	#N/A N/A
1995	9	11-Sep-95	1.62	1.60	1.69	#N/A N/A
1995	9	12-Sep-95	1.64	1.64	1.71	#N/A N/A
1995	9	13-Sep-95	1.66	1.67	1.74	#N/A N/A
1995	9	14-Sep-95	1.65	1.67	1.75	#N/A N/A
1995	9	15-Sep-95	1.63	1.67	1.72	#N/A N/A
1995	9	16-Sep-95	1.63	1.67	1.72	#N/A N/A
1995	9	17-Sep-95	1.63	1.67	1.72	#N/A N/A
1995	9	18-Sep-95	1.63	1.68	1.73	#N/A N/A
1995	9	19-Sep-95	1.62	1.69	1.73	#N/A N/A
1995	9	20-Sep-95	1.62	1.69	1.73	#N/A N/A
1995	9	21-Sep-95	1.61	1.65	1.74	#N/A N/A
1995	9	22-Sep-95	1.62	1.67	1.76	#N/A N/A
1995	9	23-Sep-95	1.62	1.67	1.76	#N/A N/A
1995	9	24-Sep-95	1.62	1.67	1.76	#N/A N/A
1995	9	25-Sep-95	1.63	1.67	1.78	#N/A N/A
1995	9	26-Sep-95	1.66	1.71	1.79	#N/A N/A
1995	9	27-Sep-95	1.66	1.71	1.79	#N/A N/A
1995	9	28-Sep-95	1.66	1.71	1.79	#N/A N/A
1995	9	29-Sep-95	1.65	1.71	1.79	#N/A N/A
1995	9	30-Sep-95	1.65	1.71	1.79	#N/A N/A

1995	10	1-Oct-95	1.65	1.71	1.79	#N/A N/A
1995	10	2-Oct-95	1.83	1.86	1.93	#N/A N/A
1995	10	3-Oct-95	1.94	1.86	1.91	#N/A N/A
1995	10	4-Oct-95	1.92	1.91	1.90	#N/A N/A
1995	10	5-Oct-95	1.85	1.91	1.89	#N/A N/A
1995	10	6-Oct-95	1.75	1.76	1.88	#N/A N/A
1995	10	7-Oct-95	1.75	1.76	1.88	#N/A N/A
1995	10	8-Oct-95	1.75	1.76	1.88	#N/A N/A
1995	10	9-Oct-95	1.73	1.77	1.88	#N/A N/A
1995	10	10-Oct-95	1.73	1.75	1.81	#N/A N/A
1995	10	11-Oct-95	1.72	1.75	1.79	#N/A N/A
1995	10	12-Oct-95	1.69	1.75	1.79	#N/A N/A
1995	10	13-Oct-95	1.69	1.75	1.79	#N/A N/A
1995	10	14-Oct-95	1.69	1.75	1.79	#N/A N/A
1995	10	15-Oct-95	1.69	1.75	1.79	#N/A N/A
1995	10	16-Oct-95	1.72	1.75	1.80	#N/A N/A
1995	10	17-Oct-95	1.72	1.77	1.80	#N/A N/A
1995	10	18-Oct-95	1.72	1.77	1.83	#N/A N/A
1995	10	19-Oct-95	1.69	1.80	1.83	#N/A N/A
1995	10	20-Oct-95	1.69	1.80	1.81	#N/A N/A
1995	10	21-Oct-95	1.69	1.80	1.81	#N/A N/A
1995	10	22-Oct-95	1.69	1.80	1.81	#N/A N/A
1995	10	23-Oct-95	1.75	1.87	1.98	#N/A N/A
1995	10	24-Oct-95	1.76	1.87	1.98	#N/A N/A
1995	10	25-Oct-95	1.76	1.91	1.98	#N/A N/A
1995	10	26-Oct-95	1.78	1.91	1.97	#N/A N/A
1995	10	27-Oct-95	1.78	1.91	1.97	#N/A N/A
1995	10	28-Oct-95	1.78	1.91	1.97	#N/A N/A
1995	10	29-Oct-95	1.78	1.91	1.97	#N/A N/A
1995	10	30-Oct-95	1.81	1.91	1.97	#N/A N/A
1995	10	31-Oct-95	1.81	1.91	1.96	#N/A N/A

1995	11	1-Nov-95	1.83	1.94	1.96	#N/A N/A
1995	11	2-Nov-95	1.83	1.94	2.00	#N/A N/A
1995	11	3-Nov-95	1.84	1.94	2.00	#N/A N/A
1995	11	4-Nov-95	1.84	1.94	2.00	#N/A N/A
1995	11	5-Nov-95	1.84	1.94	2.00	#N/A N/A
1995	11	6-Nov-95	1.83	1.95	2.01	#N/A N/A
1995	11	7-Nov-95	1.86	1.99	2.01	#N/A N/A
1995	11	8-Nov-95	1.90	1.98	2.14	#N/A N/A
1995	11	9-Nov-95	1.90	2.01	2.12	#N/A N/A
1995	11	10-Nov-95	1.92	2.03	2.09	#N/A N/A
1995	11	11-Nov-95	1.92	2.03	2.09	#N/A N/A
1995	11	12-Nov-95	1.92	2.03	2.09	#N/A N/A
1995	11	13-Nov-95	1.99	2.19	2.17	#N/A N/A
1995	11	14-Nov-95	2.03	2.13	2.18	#N/A N/A
1995	11	15-Nov-95	2.01	2.11	2.18	#N/A N/A
1995	11	16-Nov-95	2.04	2.08	2.27	#N/A N/A
1995	11	17-Nov-95	2.13	2.17	2.26	#N/A N/A
1995	11	18-Nov-95	2.13	2.17	2.26	#N/A N/A
1995	11	19-Nov-95	2.13	2.17	2.26	#N/A N/A
1995	11	20-Nov-95	2.10	2.24	2.34	#N/A N/A
1995	11	21-Nov-95	2.24	2.38	2.53	#N/A N/A
1995	11	22-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	23-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	24-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	25-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	26-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	27-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	28-Nov-95	2.25	2.41	2.58	#N/A N/A
1995	11	29-Nov-95	2.25	2.41	2.55	#N/A N/A
1995	11	30-Nov-95	2.12	2.41	2.57	#N/A N/A
1995	12	1-Dec-95	2.18	2.14	2.52	#N/A N/A

1995	12	2-Dec-95	2.18	2.14	2.52	#N/A N/A
1995	12	3-Dec-95	2.18	2.14	2.52	#N/A N/A
1995	12	4-Dec-95	2.22	2.28	2.54	#N/A N/A
1995	12	5-Dec-95	2.25	2.29	2.56	#N/A N/A
1995	12	6-Dec-95	2.37	2.39	2.61	#N/A N/A
1995	12	7-Dec-95	2.32	2.37	2.73	#N/A N/A
1995	12	8-Dec-95	2.35	2.41	3.25	#N/A N/A
1995	12	9-Dec-95	2.35	2.41	3.25	#N/A N/A
1995	12	10-Dec-95	2.35	2.41	3.25	#N/A N/A
1995	12	11-Dec-95	2.35	2.42	3.05	#N/A N/A
1995	12	12-Dec-95	2.38	2.39	2.80	#N/A N/A
1995	12	13-Dec-95	2.44	2.38	2.84	#N/A N/A
1995	12	14-Dec-95	2.46	2.39	2.84	#N/A N/A
1995	12	15-Dec-95	2.52	2.40	2.74	#N/A N/A
1995	12	16-Dec-95	2.52	2.40	2.74	#N/A N/A
1995	12	17-Dec-95	2.52	2.40	2.74	#N/A N/A
1995	12	18-Dec-95	2.58	2.43	2.82	#N/A N/A
1995	12	19-Dec-95	2.90	2.84	3.01	#N/A N/A
1995	12	20-Dec-95	2.93	2.84	3.59	#N/A N/A
1995	12	21-Dec-95	3.35	3.53	3.59	#N/A N/A
1995	12	22-Dec-95	3.39	3.23	3.63	#N/A N/A
1995	12	23-Dec-95	3.39	3.23	3.63	#N/A N/A
1995	12	24-Dec-95	3.39	3.23	3.63	#N/A N/A
1995	12	25-Dec-95	3.39	3.23	3.63	#N/A N/A
1995	12	26-Dec-95	3.39	3.23	3.88	#N/A N/A
1995	12	27-Dec-95	3.39	3.23	4.00	#N/A N/A
1995	12	28-Dec-95	3.39	3.23	4.20	#N/A N/A
1995	12	29-Dec-95	3.39	3.23	4.20	#N/A N/A
1995	12	30-Dec-95	3.39	3.23	4.20	#N/A N/A
1995	12	31-Dec-95	3.39	3.23	4.20	#N/A N/A
1996	1	1-Jan-96	3.39	3.23	4.20	#N/A N/A

1996	1	2-Jan-96	3.46	3.06	4.38	#N/A N/A
1996	1	3-Jan-96	3.53	3.78	4.38	#N/A N/A
1996	1	4-Jan-96	3.53	3.68	5.05	#N/A N/A
1996	1	5-Jan-96	3.57	3.37	5.40	#N/A N/A
1996	1	6-Jan-96	3.57	3.37	5.40	#N/A N/A
1996	1	7-Jan-96	3.57	3.37	5.40	#N/A N/A
1996	1	8-Jan-96	3.65	3.33	5.40	#N/A N/A
1996	1	9-Jan-96	3.61	3.20	5.40	#N/A N/A
1996	1	10-Jan-96	3.45	3.15	5.08	#N/A N/A
1996	1	11-Jan-96	3.31	3.05	5.15	#N/A N/A
1996	1	12-Jan-96	2.85	3.03	5.03	#N/A N/A
1996	1	13-Jan-96	2.85	3.03	5.03	#N/A N/A
1996	1	14-Jan-96	2.85	3.03	5.03	#N/A N/A
1996	1	15-Jan-96	2.85	3.03	5.03	#N/A N/A
1996	1	16-Jan-96	2.08	2.54	4.53	#N/A N/A
1996	1	17-Jan-96	2.18	2.63	3.75	#N/A N/A
1996	1	18-Jan-96	2.50	2.89	4.10	#N/A N/A
1996	1	19-Jan-96	2.76	2.80	4.50	#N/A N/A
1996	1	20-Jan-96	2.76	2.80	4.50	#N/A N/A
1996	1	21-Jan-96	2.76	2.80	4.50	#N/A N/A
1996	1	22-Jan-96	2.18	2.70	3.55	#N/A N/A
1996	1	23-Jan-96	2.43	2.30	3.55	#N/A N/A
1996	1	24-Jan-96	2.45	2.72	3.70	#N/A N/A
1996	1	25-Jan-96	2.41	2.61	3.43	#N/A N/A
1996	1	26-Jan-96	2.36	2.63	3.83	#N/A N/A
1996	1	27-Jan-96	2.36	2.63	3.83	#N/A N/A
1996	1	28-Jan-96	2.36	2.63	3.83	#N/A N/A
1996	1	29-Jan-96	2.51	2.60	3.83	#N/A N/A
1996	1	30-Jan-96	2.51	2.60	3.85	#N/A N/A
1996	1	31-Jan-96	3.60	6.25	6.50	#N/A N/A
1996	2	1-Feb-96	5.33	17.50	8.00	#N/A N/A

1996	2	2-Feb-96	5.12	23.00	11.00	#N/A N/A
1996	2	3-Feb-96	5.12	23.00	11.00	#N/A N/A
1996	2	4-Feb-96	5.12	23.00	11.00	#N/A N/A
1996	2	5-Feb-96	3.62	6.50	6.00	#N/A N/A
1996	2	6-Feb-96	3.85	3.25	6.00	#N/A N/A
1996	2	7-Feb-96	4.25	7.00	5.00	#N/A N/A
1996	2	8-Feb-96	5.12	3.50	5.88	#N/A N/A
1996	2	9-Feb-96	5.12	3.75	6.00	#N/A N/A
1996	2	10-Feb-96	5.12	3.75	6.00	#N/A N/A
1996	2	11-Feb-96	5.12	3.75	6.00	#N/A N/A
1996	2	12-Feb-96	5.12	6.50	6.75	#N/A N/A
1996	2	13-Feb-96	4.25	4.75	8.00	#N/A N/A
1996	2	14-Feb-96	5.12	9.00	8.50	#N/A N/A
1996	2	15-Feb-96	5.00	11.75	11.00	#N/A N/A
1996	2	16-Feb-96	3.62	6.50	6.25	#N/A N/A
1996	2	17-Feb-96	3.62	6.50	6.25	#N/A N/A
1996	2	18-Feb-96	3.62	6.50	6.25	#N/A N/A
1996	2	19-Feb-96	3.62	6.50	6.25	#N/A N/A
1996	2	20-Feb-96	2.55	2.95	4.38	#N/A N/A
1996	2	21-Feb-96	2.38	2.88	3.80	#N/A N/A
1996	2	22-Feb-96	2.49	3.10	4.18	#N/A N/A
1996	2	23-Feb-96	2.60	3.20	4.83	#N/A N/A
1996	2	24-Feb-96	2.60	3.20	4.83	#N/A N/A
1996	2	25-Feb-96	2.60	3.20	4.83	#N/A N/A
1996	2	26-Feb-96	3.00	3.23	4.63	#N/A N/A
1996	2	27-Feb-96	3.02	3.25	4.88	#N/A N/A
1996	2	28-Feb-96	3.02	3.25	4.88	#N/A N/A
1996	2	29-Feb-96	3.75	3.25	4.88	#N/A N/A
1996	3	1-Mar-96	2.75	4.50	3.80	#N/A N/A
1996	3	2-Mar-96	2.75	4.50	3.80	#N/A N/A
1996	3	3-Mar-96	2.75	4.50	3.80	#N/A N/A

1996	3	4-Mar-96	2.65	4.75	4.13	#N/A N/A
1996	3	5-Mar-96	2.87	4.75	4.00	#N/A N/A
1996	3	6-Mar-96	3.30	9.25	4.08	#N/A N/A
1996	3	7-Mar-96	4.25	15.00	4.08	#N/A N/A
1996	3	8-Mar-96	2.65	8.50	4.50	#N/A N/A
1996	3	9-Mar-96	2.65	8.50	4.50	#N/A N/A
1996	3	10-Mar-96	2.65	8.50	4.50	#N/A N/A
1996	3	11-Mar-96	2.75	3.13	3.73	#N/A N/A
1996	3	12-Mar-96	2.94	3.05	3.40	#N/A N/A
1996	3	13-Mar-96	2.79	2.90	3.20	#N/A N/A
1996	3	14-Mar-96	2.75	2.80	3.23	#N/A N/A
1996	3	15-Mar-96	2.74	2.80	3.23	#N/A N/A
1996	3	16-Mar-96	2.74	2.80	3.23	#N/A N/A
1996	3	17-Mar-96	2.74	2.80	3.23	#N/A N/A
1996	3	18-Mar-96	3.01	3.00	3.20	#N/A N/A
1996	3	19-Mar-96	2.88	3.25	3.25	#N/A N/A
1996	3	20-Mar-96	2.85	3.28	3.29	#N/A N/A
1996	3	21-Mar-96	2.88	3.30	3.48	#N/A N/A
1996	3	22-Mar-96	2.76	2.86	3.23	#N/A N/A
1996	3	23-Mar-96	2.76	2.86	3.23	#N/A N/A
1996	3	24-Mar-96	2.76	2.86	3.23	#N/A N/A
1996	3	25-Mar-96	2.80	2.88	3.25	#N/A N/A
1996	3	26-Mar-96	2.68	2.79	3.08	#N/A N/A
1996	3	27-Mar-96	2.68	2.79	3.03	#N/A N/A
1996	3	28-Mar-96	2.68	2.79	3.03	#N/A N/A
1996	3	29-Mar-96	2.60	2.79	3.15	#N/A N/A
1996	3	30-Mar-96	2.60	2.79	3.15	#N/A N/A
1996	3	31-Mar-96	2.60	2.79	3.15	#N/A N/A
1996	4	1-Apr-96	2.32	3.00	3.15	#N/A N/A
1996	4	2-Apr-96	2.20	2.70	3.15	#N/A N/A
1996	4	3-Apr-96	2.25	2.70	3.10	#N/A N/A

1996	4	4-Apr-96	2.40	2.83	3.03	#N/A N/A
1996	4	5-Apr-96	2.40	2.83	3.03	#N/A N/A
1996	4	6-Apr-96	2.40	2.83	3.03	#N/A N/A
1996	4	7-Apr-96	2.40	2.83	3.03	#N/A N/A
1996	4	8-Apr-96	2.34	2.80	2.95	#N/A N/A
1996	4	9-Apr-96	2.29	2.55	2.90	#N/A N/A
1996	4	10-Apr-96	2.20	2.40	2.80	#N/A N/A
1996	4	11-Apr-96	2.14	2.28	2.68	#N/A N/A
1996	4	12-Apr-96	2.27	2.45	2.70	#N/A N/A
1996	4	13-Apr-96	2.27	2.45	2.70	#N/A N/A
1996	4	14-Apr-96	2.27	2.45	2.70	#N/A N/A
1996	4	15-Apr-96	2.28	2.45	2.72	#N/A N/A
1996	4	16-Apr-96	2.20	2.35	2.74	#N/A N/A
1996	4	17-Apr-96	2.18	2.27	2.72	#N/A N/A
1996	4	18-Apr-96	2.19	2.30	2.67	#N/A N/A
1996	4	19-Apr-96	2.18	2.29	2.60	#N/A N/A
1996	4	20-Apr-96	2.18	2.29	2.60	#N/A N/A
1996	4	21-Apr-96	2.18	2.29	2.60	#N/A N/A
1996	4	22-Apr-96	2.18	2.31	2.53	#N/A N/A
1996	4	23-Apr-96	2.26	2.33	2.53	#N/A N/A
1996	4	24-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	25-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	26-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	27-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	28-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	29-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	4	30-Apr-96	2.25	2.30	2.44	#N/A N/A
1996	5	1-May-96	2.17	2.35	2.44	#N/A N/A
1996	5	2-May-96	2.15	2.98	2.41	#N/A N/A
1996	5	3-May-96	2.11	2.43	2.33	#N/A N/A
1996	5	4-May-96	2.11	2.43	2.33	#N/A N/A

1996	5	5-May-96	2.11	2.43	2.33	#N/A N/A
1996	5	6-May-96	2.11	2.38	2.32	#N/A N/A
1996	5	7-May-96	2.14	2.28	2.35	#N/A N/A
1996	5	8-May-96	2.16	2.28	2.35	#N/A N/A
1996	5	9-May-96	2.16	2.37	2.37	#N/A N/A
1996	5	10-May-96	2.19	2.45	2.38	#N/A N/A
1996	5	11-May-96	2.19	2.45	2.38	#N/A N/A
1996	5	12-May-96	2.19	2.45	2.38	#N/A N/A
1996	5	13-May-96	2.21	2.37	2.43	#N/A N/A
1996	5	14-May-96	2.24	2.33	2.44	#N/A N/A
1996	5	15-May-96	2.22	2.27	2.44	#N/A N/A
1996	5	16-May-96	2.24	2.30	2.44	#N/A N/A
1996	5	17-May-96	2.24	2.30	2.45	#N/A N/A
1996	5	18-May-96	2.24	2.30	2.45	#N/A N/A
1996	5	19-May-96	2.24	2.30	2.45	#N/A N/A
1996	5	20-May-96	2.29	2.38	2.52	#N/A N/A
1996	5	21-May-96	2.30	2.40	2.57	#N/A N/A
1996	5	22-May-96	2.30	2.38	2.51	#N/A N/A
1996	5	23-May-96	2.31	2.41	2.59	#N/A N/A
1996	5	24-May-96	2.31	2.40	2.55	#N/A N/A
1996	5	25-May-96	2.31	2.40	2.55	#N/A N/A
1996	5	26-May-96	2.31	2.40	2.55	#N/A N/A
1996	5	27-May-96	2.31	2.40	2.55	#N/A N/A
1996	5	28-May-96	2.33	2.40	2.56	#N/A N/A
1996	5	29-May-96	2.33	2.40	2.56	#N/A N/A
1996	5	30-May-96	2.33	2.40	2.55	#N/A N/A
1996	5	31-May-96	2.33	2.40	2.55	#N/A N/A
1996	6	1-Jun-96	2.33	2.40	2.55	#N/A N/A
1996	6	2-Jun-96	2.33	2.40	2.55	#N/A N/A
1996	6	3-Jun-96	2.37	2.34	2.53	#N/A N/A
1996	6	4-Jun-96	2.33	2.39	2.53	#N/A N/A

1996	6	5-Jun-96	2.34	2.35	2.55	#N/A N/A
1996	6	6-Jun-96	2.37	2.38	2.53	#N/A N/A
1996	6	7-Jun-96	2.36	2.37	2.57	#N/A N/A
1996	6	8-Jun-96	2.36	2.37	2.57	#N/A N/A
1996	6	9-Jun-96	2.36	2.37	2.57	#N/A N/A
1996	6	10-Jun-96	2.37	2.38	2.58	#N/A N/A
1996	6	11-Jun-96	2.38	2.38	2.58	#N/A N/A
1996	6	12-Jun-96	2.40	2.40	2.60	#N/A N/A
1996	6	13-Jun-96	2.44	2.40	2.58	#N/A N/A
1996	6	14-Jun-96	2.41	2.41	2.61	#N/A N/A
1996	6	15-Jun-96	2.41	2.41	2.61	#N/A N/A
1996	6	16-Jun-96	2.41	2.41	2.61	#N/A N/A
1996	6	17-Jun-96	2.43	2.43	2.62	#N/A N/A
1996	6	18-Jun-96	2.54	2.60	2.72	#N/A N/A
1996	6	19-Jun-96	2.69	2.74	2.80	#N/A N/A
1996	6	20-Jun-96	2.57	2.60	2.84	#N/A N/A
1996	6	21-Jun-96	2.58	2.66	2.87	#N/A N/A
1996	6	22-Jun-96	2.58	2.66	2.87	#N/A N/A
1996	6	23-Jun-96	2.58	2.66	2.87	#N/A N/A
1996	6	24-Jun-96	2.64	2.65	2.86	#N/A N/A
1996	6	25-Jun-96	2.65	2.64	2.84	#N/A N/A
1996	6	26-Jun-96	2.65	2.64	2.84	#N/A N/A
1996	6	27-Jun-96	2.65	2.64	2.84	#N/A N/A
1996	6	28-Jun-96	2.65	2.64	2.94	#N/A N/A
1996	6	29-Jun-96	2.65	2.64	2.94	#N/A N/A
1996	6	30-Jun-96	2.65	2.64	2.94	#N/A N/A
1996	7	1-Jul-96	2.67	2.72	2.87	#N/A N/A
1996	7	2-Jul-96	2.67	2.73	2.85	#N/A N/A
1996	7	3-Jul-96	2.66	2.69	2.82	#N/A N/A
1996	7	4-Jul-96	2.66	2.69	2.82	#N/A N/A
1996	7	5-Jul-96	2.66	2.69	2.82	#N/A N/A

1996	7	6-Jul-96	2.66	2.69	2.82	#N/A N/A
1996	7	7-Jul-96	2.66	2.69	2.82	#N/A N/A
1996	7	8-Jul-96	2.71	2.75	2.84	#N/A N/A
1996	7	9-Jul-96	2.64	2.70	2.84	#N/A N/A
1996	7	10-Jul-96	2.62	2.66	2.83	#N/A N/A
1996	7	11-Jul-96	2.61	2.63	2.83	#N/A N/A
1996	7	12-Jul-96	2.57	2.61	2.75	#N/A N/A
1996	7	13-Jul-96	2.57	2.61	2.75	#N/A N/A
1996	7	14-Jul-96	2.57	2.61	2.75	#N/A N/A
1996	7	15-Jul-96	2.62	2.59	2.90	#N/A N/A
1996	7	16-Jul-96	2.65	2.65	2.89	#N/A N/A
1996	7	17-Jul-96	2.64	2.70	2.87	#N/A N/A
1996	7	18-Jul-96	2.56	2.62	2.82	#N/A N/A
1996	7	19-Jul-96	2.41	2.48	2.67	#N/A N/A
1996	7	20-Jul-96	2.41	2.48	2.67	#N/A N/A
1996	7	21-Jul-96	2.41	2.48	2.67	#N/A N/A
1996	7	22-Jul-96	2.27	2.39	2.58	#N/A N/A
1996	7	23-Jul-96	2.35	2.43	2.55	#N/A N/A
1996	7	24-Jul-96	2.45	2.47	2.62	#N/A N/A
1996	7	25-Jul-96	2.45	2.40	2.56	#N/A N/A
1996	7	26-Jul-96	2.30	2.36	2.46	#N/A N/A
1996	7	27-Jul-96	2.30	2.36	2.46	#N/A N/A
1996	7	28-Jul-96	2.30	2.36	2.46	#N/A N/A
1996	7	29-Jul-96	2.30	2.36	2.31	#N/A N/A
1996	7	30-Jul-96	2.08	2.23	2.31	#N/A N/A
1996	7	31-Jul-96	2.08	2.23	2.32	#N/A N/A
1996	8	1-Aug-96	2.16	2.26	2.43	#N/A N/A
1996	8	2-Aug-96	2.10	2.26	2.41	#N/A N/A
1996	8	3-Aug-96	2.10	2.26	2.41	#N/A N/A
1996	8	4-Aug-96	2.10	2.26	2.41	#N/A N/A
1996	8	5-Aug-96	2.23	2.31	2.41	#N/A N/A

1996	8	6-Aug-96	2.18	2.29	2.44	#N/A N/A
1996	8	7-Aug-96	2.02	2.29	2.23	#N/A N/A
1996	8	8-Aug-96	2.12	2.18	2.22	#N/A N/A
1996	8	9-Aug-96	2.01	2.06	2.18	#N/A N/A
1996	8	10-Aug-96	2.01	2.06	2.18	#N/A N/A
1996	8	11-Aug-96	2.01	2.06	2.18	#N/A N/A
1996	8	12-Aug-96	2.05	2.07	2.17	#N/A N/A
1996	8	13-Aug-96	2.04	2.10	2.14	#N/A N/A
1996	8	14-Aug-96	2.00	2.10	2.14	#N/A N/A
1996	8	15-Aug-96	2.07	2.13	2.23	#N/A N/A
1996	8	16-Aug-96	2.07	2.11	2.23	#N/A N/A
1996	8	17-Aug-96	2.07	2.11	2.23	#N/A N/A
1996	8	18-Aug-96	2.07	2.11	2.23	#N/A N/A
1996	8	19-Aug-96	2.11	2.15	2.32	#N/A N/A
1996	8	20-Aug-96	2.12	2.23	2.33	#N/A N/A
1996	8	21-Aug-96	2.05	2.07	2.19	#N/A N/A
1996	8	22-Aug-96	1.98	1.95	2.15	#N/A N/A
1996	8	23-Aug-96	1.97	1.98	2.09	#N/A N/A
1996	8	24-Aug-96	1.97	1.98	2.09	#N/A N/A
1996	8	25-Aug-96	1.97	1.98	2.09	#N/A N/A
1996	8	26-Aug-96	1.87	1.94	1.97	#N/A N/A
1996	8	27-Aug-96	1.86	1.90	1.92	#N/A N/A
1996	8	28-Aug-96	1.86	1.90	1.92	#N/A N/A
1996	8	29-Aug-96	1.86	1.90	1.92	#N/A N/A
1996	8	30-Aug-96	1.86	1.90	1.92	#N/A N/A
1996	8	31-Aug-96	1.86	1.90	1.92	#N/A N/A
1996	9	1-Sep-96	1.86	1.90	1.92	#N/A N/A
1996	9	2-Sep-96	1.86	1.90	1.92	#N/A N/A
1996	9	3-Sep-96	1.75	1.85	1.94	#N/A N/A
1996	9	4-Sep-96	1.69	1.79	1.93	#N/A N/A
1996	9	5-Sep-96	1.71	1.75	1.87	#N/A N/A

1996	9	6-Sep-96	1.74	1.77	1.95	#N/A N/A
1996	9	7-Sep-96	1.74	1.77	1.95	#N/A N/A
1996	9	8-Sep-96	1.74	1.77	1.95	#N/A N/A
1996	9	9-Sep-96	1.80	1.89	1.99	#N/A N/A
1996	9	10-Sep-96	1.79	1.84	1.97	#N/A N/A
1996	9	11-Sep-96	1.81	1.92	2.01	#N/A N/A
1996	9	12-Sep-96	1.82	1.94	2.01	#N/A N/A
1996	9	13-Sep-96	1.85	1.89	2.02	#N/A N/A
1996	9	14-Sep-96	1.85	1.89	2.02	#N/A N/A
1996	9	15-Sep-96	1.85	1.89	2.02	#N/A N/A
1996	9	16-Sep-96	1.86	1.93	2.04	#N/A N/A
1996	9	17-Sep-96	1.89	1.96	2.08	#N/A N/A
1996	9	18-Sep-96	1.87	1.95	2.05	#N/A N/A
1996	9	19-Sep-96	1.93	1.96	2.07	#N/A N/A
1996	9	20-Sep-96	1.99	2.03	2.07	#N/A N/A
1996	9	21-Sep-96	1.99	2.03	2.07	#N/A N/A
1996	9	22-Sep-96	1.99	2.03	2.07	#N/A N/A
1996	9	23-Sep-96	1.96	1.96	2.07	#N/A N/A
1996	9	24-Sep-96	1.87	1.91	1.98	#N/A N/A
1996	9	25-Sep-96	1.86	1.99	1.98	#N/A N/A
1996	9	26-Sep-96	1.86	2.05	2.03	#N/A N/A
1996	9	27-Sep-96	1.86	2.05	2.03	#N/A N/A
1996	9	28-Sep-96	1.86	2.05	2.03	#N/A N/A
1996	9	29-Sep-96	1.86	2.05	2.03	#N/A N/A
1996	9	30-Sep-96	1.86	2.05	2.05	#N/A N/A
1996	10	1-Oct-96	1.92	2.03	2.16	#N/A N/A
1996	10	2-Oct-96	1.92	2.13	2.16	#N/A N/A
1996	10	3-Oct-96	2.02	2.10	2.25	#N/A N/A
1996	10	4-Oct-96	2.12	2.15	2.29	#N/A N/A
1996	10	5-Oct-96	2.12	2.15	2.29	#N/A N/A
1996	10	6-Oct-96	2.12	2.15	2.29	#N/A N/A

1996	10	7-Oct-96	2.22	2.25	2.41	#N/A	N/A
1996	10	8-Oct-96	2.21	2.38	2.40	#N/A	N/A
1996	10	9-Oct-96	2.35	2.61	2.48	#N/A	N/A
1996	10	10-Oct-96	2.42	2.70	2.66	#N/A	N/A
1996	10	11-Oct-96	2.35	2.55	2.58	#N/A	N/A
1996	10	12-Oct-96	2.35	2.55	2.58	#N/A	N/A
1996	10	13-Oct-96	2.35	2.55	2.58	#N/A	N/A
1996	10	14-Oct-96	2.25	2.41	2.52	#N/A	N/A
1996	10	15-Oct-96	2.29	2.45	2.52	#N/A	N/A
1996	10	16-Oct-96	2.40	2.70	2.58	#N/A	N/A
1996	10	17-Oct-96	2.38	2.75	2.56	#N/A	N/A
1996	10	18-Oct-96	2.36	2.68	2.54	#N/A	N/A
1996	10	19-Oct-96	2.36	2.68	2.54	#N/A	N/A
1996	10	20-Oct-96	2.36	2.68	2.54	#N/A	N/A
1996	10	21-Oct-96	2.38	2.74	2.59	#N/A	N/A
1996	10	22-Oct-96	2.52	2.90	2.81	#N/A	N/A
1996	10	23-Oct-96	2.52	2.88	3.03	#N/A	N/A
1996	10	24-Oct-96	2.48	2.68	2.92	#N/A	N/A
1996	10	25-Oct-96	2.48	2.91	2.92	#N/A	N/A
1996	10	26-Oct-96	2.48	2.91	2.92	#N/A	N/A
1996	10	27-Oct-96	2.48	2.91	2.92	#N/A	N/A
1996	10	28-Oct-96	2.63	3.09	3.05	#N/A	N/A
1996	10	29-Oct-96	2.70	2.98	3.04	#N/A	N/A
1996	10	30-Oct-96	2.70	2.98	3.04	#N/A	N/A
1996	10	31-Oct-96	2.70	2.98	3.04	#N/A	N/A
1996	11	1-Nov-96	2.74	2.94	3.05	#N/A	N/A
1996	11	2-Nov-96	2.74	2.94	3.05	#N/A	N/A
1996	11	3-Nov-96	2.74	2.94	3.05	#N/A	N/A
1996	11	4-Nov-96	2.72	2.81	3.02	#N/A	N/A
1996	11	5-Nov-96	2.60	2.66	2.85	#N/A	N/A
1996	11	6-Nov-96	2.71	2.85	2.97	#N/A	N/A

1996	11	7-Nov-96	2.71	2.85	2.97	#N/A N/A
1996	11	8-Nov-96	2.70	2.83	2.97	#N/A N/A
1996	11	9-Nov-96	2.70	2.83	2.97	#N/A N/A
1996	11	10-Nov-96	2.70	2.83	2.97	#N/A N/A
1996	11	11-Nov-96	2.71	2.91	3.12	#N/A N/A
1996	11	12-Nov-96	2.74	3.13	3.23	#N/A N/A
1996	11	13-Nov-96	2.70	3.17	3.25	#N/A N/A
1996	11	14-Nov-96	2.75	2.96	3.29	#N/A N/A
1996	11	15-Nov-96	2.80	3.13	3.26	#N/A N/A
1996	11	16-Nov-96	2.80	3.13	3.26	#N/A N/A
1996	11	17-Nov-96	2.80	3.13	3.26	#N/A N/A
1996	11	18-Nov-96	2.89	3.31	3.26	#N/A N/A
1996	11	19-Nov-96	3.30	3.65	3.98	#N/A N/A
1996	11	20-Nov-96	3.61	4.03	4.33	#N/A N/A
1996	11	21-Nov-96	3.80	4.33	4.48	#N/A N/A
1996	11	22-Nov-96	3.80	4.25	4.37	#N/A N/A
1996	11	23-Nov-96	3.80	4.25	4.37	#N/A N/A
1996	11	24-Nov-96	3.80	4.25	4.37	#N/A N/A
1996	11	25-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	11	26-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	11	27-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	11	28-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	11	29-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	11	30-Nov-96	3.80	4.38	4.27	#N/A N/A
1996	12	1-Dec-96	3.80	4.38	4.27	#N/A N/A
1996	12	2-Dec-96	3.74	3.98	4.13	#N/A N/A
1996	12	3-Dec-96	3.39	3.73	3.93	#N/A N/A
1996	12	4-Dec-96	3.66	3.90	4.15	#N/A N/A
1996	12	5-Dec-96	3.84	3.93	4.23	#N/A N/A
1996	12	6-Dec-96	3.67	3.77	4.10	#N/A N/A
1996	12	7-Dec-96	3.67	3.77	4.10	#N/A N/A

1996	12	8-Dec-96	3.67	3.77	4.10	#N/A N/A
1996	12	9-Dec-96	3.36	3.49	3.80	#N/A N/A
1996	12	10-Dec-96	3.21	3.40	3.76	#N/A N/A
1996	12	11-Dec-96	3.49	3.54	3.89	#N/A N/A
1996	12	12-Dec-96	3.48	3.52	3.87	#N/A N/A
1996	12	13-Dec-96	3.59	3.77	3.90	#N/A N/A
1996	12	14-Dec-96	3.59	3.77	3.90	#N/A N/A
1996	12	15-Dec-96	3.59	3.77	3.90	#N/A N/A
1996	12	16-Dec-96	4.03	4.14	4.16	#N/A N/A
1996	12	17-Dec-96	4.53	4.40	4.35	#N/A N/A
1996	12	18-Dec-96	4.48	4.50	4.35	#N/A N/A
1996	12	19-Dec-96	4.40	4.92	5.00	#N/A N/A
1996	12	20-Dec-96	4.57	5.02	4.96	#N/A N/A
1996	12	21-Dec-96	4.57	5.02	4.96	#N/A N/A
1996	12	22-Dec-96	4.57	5.02	4.96	#N/A N/A
1996	12	23-Dec-96	4.20	4.72	4.64	#N/A N/A
1996	12	24-Dec-96	4.00	4.60	4.44	#N/A N/A
1996	12	25-Dec-96	4.00	4.61	4.44	#N/A N/A
1996	12	26-Dec-96	3.80	4.50	3.85	#N/A N/A
1996	12	27-Dec-96	3.08	3.82	3.75	#N/A N/A
1996	12	28-Dec-96	3.08	3.82	3.75	#N/A N/A
1996	12	29-Dec-96	3.08	3.82	3.75	#N/A N/A
1996	12	30-Dec-96	3.08	3.82	3.75	#N/A N/A
1996	12	31-Dec-96	2.46	3.82	3.75	#N/A N/A
1997	1	1-Jan-97	2.46	3.83	3.75	#N/A N/A
1997	1	2-Jan-97	2.56	2.92	3.13	#N/A N/A
1997	1	3-Jan-97	2.61	2.84	3.08	#N/A N/A
1997	1	4-Jan-97	2.61	2.84	3.08	#N/A N/A
1997	1	5-Jan-97	2.61	2.84	3.08	#N/A N/A
1997	1	6-Jan-97	3.51	3.72	3.60	#N/A N/A
1997	1	7-Jan-97	3.80	4.07	3.90	#N/A N/A

1997	1	8-Jan-97	3.76	4.07	3.89	#N/A	N/A
1997	1	9-Jan-97	3.55	3.92	3.63	#N/A	N/A
1997	1	10-Jan-97	3.88	7.00	3.83	#N/A	N/A
1997	1	11-Jan-97	3.88	7.00	3.83	#N/A	N/A
1997	1	12-Jan-97	3.88	7.00	3.83	#N/A	N/A
1997	1	13-Jan-97	4.00	4.15	3.97	#N/A	N/A
1997	1	14-Jan-97	4.00	4.15	3.89	#N/A	N/A
1997	1	15-Jan-97	4.30	6.88	4.19	#N/A	N/A
1997	1	16-Jan-97	4.60	6.38	4.82	#N/A	N/A
1997	1	17-Jan-97	3.78	3.90	3.83	#N/A	N/A
1997	1	18-Jan-97	3.78	3.90	3.83	#N/A	N/A
1997	1	19-Jan-97	3.78	3.90	3.83	#N/A	N/A
1997	1	20-Jan-97	3.25	3.15	3.35	#N/A	N/A
1997	1	21-Jan-97	2.99	3.18	3.23	#N/A	N/A
1997	1	22-Jan-97	3.03	3.20	3.23	#N/A	N/A
1997	1	23-Jan-97	2.80	3.17	3.05	#N/A	N/A
1997	1	24-Jan-97	2.82	3.03	3.13	#N/A	N/A
1997	1	25-Jan-97	2.82	3.03	3.13	#N/A	N/A
1997	1	26-Jan-97	2.82	3.03	3.13	#N/A	N/A
1997	1	27-Jan-97	3.00	3.33	3.19	#N/A	N/A
1997	1	28-Jan-97	2.88	3.33	3.09	#N/A	N/A
1997	1	29-Jan-97	2.88	3.33	3.09	#N/A	N/A
1997	1	30-Jan-97	2.88	3.33	3.09	#N/A	N/A
1997	1	31-Jan-97	2.88	3.33	3.09	#N/A	N/A
1997	2	1-Feb-97	2.88	3.33	3.09	#N/A	N/A
1997	2	2-Feb-97	2.88	3.33	3.09	#N/A	N/A
1997	2	3-Feb-97	2.50	2.81	3.00	#N/A	N/A
1997	2	4-Feb-97	2.61	2.81	3.00	#N/A	N/A
1997	2	5-Feb-97	2.66	2.77	2.93	#N/A	N/A
1997	2	6-Feb-97	2.51	2.63	2.80	#N/A	N/A
1997	2	7-Feb-97	2.39	2.54	2.73	#N/A	N/A

1997	2	8-Feb-97	2.39	2.54	2.73	#N/A N/A
1997	2	9-Feb-97	2.39	2.54	2.73	#N/A N/A
1997	2	10-Feb-97	2.45	2.49	2.68	#N/A N/A
1997	2	11-Feb-97	2.33	2.44	2.59	#N/A N/A
1997	2	12-Feb-97	2.43	2.45	2.65	#N/A N/A
1997	2	13-Feb-97	2.24	2.29	2.53	#N/A N/A
1997	2	14-Feb-97	2.13	2.13	2.33	#N/A N/A
1997	2	15-Feb-97	2.13	2.13	2.33	#N/A N/A
1997	2	16-Feb-97	2.13	2.13	2.33	#N/A N/A
1997	2	17-Feb-97	2.13	2.13	2.33	#N/A N/A
1997	2	18-Feb-97	1.81	1.96	2.02	#N/A N/A
1997	2	19-Feb-97	1.96	2.01	2.16	#N/A N/A
1997	2	20-Feb-97	1.92	2.07	2.10	#N/A N/A
1997	2	21-Feb-97	1.90	2.07	2.10	#N/A N/A
1997	2	22-Feb-97	1.90	2.07	2.10	#N/A N/A
1997	2	23-Feb-97	1.90	2.07	2.10	#N/A N/A
1997	2	24-Feb-97	1.79	1.93	2.10	#N/A N/A
1997	2	25-Feb-97	1.79	1.87	1.94	#N/A N/A
1997	2	26-Feb-97	1.79	1.87	1.92	#N/A N/A
1997	2	27-Feb-97	1.79	1.87	1.92	#N/A N/A
1997	2	28-Feb-97	1.79	1.87	1.92	#N/A N/A
1997	3	1-Mar-97	1.79	1.87	1.92	#N/A N/A
1997	3	2-Mar-97	1.79	1.87	1.92	#N/A N/A
1997	3	3-Mar-97	1.79	1.90	1.96	#N/A N/A
1997	3	4-Mar-97	1.86	1.95	1.98	#N/A N/A
1997	3	5-Mar-97	1.94	2.00	2.13	#N/A N/A
1997	3	6-Mar-97	1.83	1.93	2.05	#N/A N/A
1997	3	7-Mar-97	1.88	1.96	2.05	#N/A N/A
1997	3	8-Mar-97	1.88	1.96	2.05	#N/A N/A
1997	3	9-Mar-97	1.88	1.96	2.05	#N/A N/A
1997	3	10-Mar-97	1.93	1.96	2.11	#N/A N/A

1997	3	11-Mar-97	1.91	1.96	2.10	#N/A N/A
1997	3	12-Mar-97	1.97	2.01	2.16	#N/A N/A
1997	3	13-Mar-97	1.98	2.08	2.17	#N/A N/A
1997	3	14-Mar-97	1.96	2.05	2.19	#N/A N/A
1997	3	15-Mar-97	1.96	2.05	2.19	#N/A N/A
1997	3	16-Mar-97	1.96	2.05	2.19	#N/A N/A
1997	3	17-Mar-97	2.02	2.12	2.23	#N/A N/A
1997	3	18-Mar-97	1.90	2.09	2.16	#N/A N/A
1997	3	19-Mar-97	1.89	1.95	2.08	#N/A N/A
1997	3	20-Mar-97	1.90	1.99	2.08	#N/A N/A
1997	3	21-Mar-97	1.90	1.99	2.04	#N/A N/A
1997	3	22-Mar-97	1.90	1.99	2.04	#N/A N/A
1997	3	23-Mar-97	1.90	1.99	2.04	#N/A N/A
1997	3	24-Mar-97	1.80	1.99	1.98	#N/A N/A
1997	3	25-Mar-97	1.85	1.99	2.07	#N/A N/A
1997	3	26-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	3	27-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	3	28-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	3	29-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	3	30-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	3	31-Mar-97	1.85	1.99	2.08	#N/A N/A
1997	4	1-Apr-97	1.92	1.98	2.17	#N/A N/A
1997	4	2-Apr-97	1.87	1.93	2.17	#N/A N/A
1997	4	3-Apr-97	1.87	1.92	2.11	#N/A N/A
1997	4	4-Apr-97	1.90	1.92	2.13	#N/A N/A
1997	4	5-Apr-97	1.90	1.92	2.13	#N/A N/A
1997	4	6-Apr-97	1.90	1.92	2.13	#N/A N/A
1997	4	7-Apr-97	2.01	2.05	2.20	#N/A N/A
1997	4	8-Apr-97	1.98	2.18	2.34	#N/A N/A
1997	4	9-Apr-97	1.97	2.21	2.29	#N/A N/A
1997	4	10-Apr-97	1.97	2.15	2.27	#N/A N/A

1997	4	11-Apr-97	1.98	2.13	2.27	#N/A N/A
1997	4	12-Apr-97	1.98	2.13	2.27	#N/A N/A
1997	4	13-Apr-97	1.98	2.13	2.27	#N/A N/A
1997	4	14-Apr-97	2.02	2.13	2.29	#N/A N/A
1997	4	15-Apr-97	2.02	2.13	2.27	#N/A N/A
1997	4	16-Apr-97	2.07	2.08	2.29	#N/A N/A
1997	4	17-Apr-97	2.07	2.15	2.30	#N/A N/A
1997	4	18-Apr-97	2.07	2.17	2.35	#N/A N/A
1997	4	19-Apr-97	2.07	2.17	2.35	#N/A N/A
1997	4	20-Apr-97	2.07	2.17	2.35	#N/A N/A
1997	4	21-Apr-97	2.07	2.11	2.29	#N/A N/A
1997	4	22-Apr-97	2.11	2.18	2.27	#N/A N/A
1997	4	23-Apr-97	2.24	2.34	2.46	#N/A N/A
1997	4	24-Apr-97	2.11	2.13	2.35	#N/A N/A
1997	4	25-Apr-97	2.11	2.18	2.35	#N/A N/A
1997	4	26-Apr-97	2.11	2.18	2.35	#N/A N/A
1997	4	27-Apr-97	2.11	2.18	2.35	#N/A N/A
1997	4	28-Apr-97	2.09	2.16	2.39	#N/A N/A
1997	4	29-Apr-97	2.10	2.14	2.33	#N/A N/A
1997	4	30-Apr-97	2.10	2.14	2.33	#N/A N/A
1997	5	1-May-97	2.17	2.28	2.35	#N/A N/A
1997	5	2-May-97	2.20	2.27	2.38	#N/A N/A
1997	5	3-May-97	2.20	2.27	2.38	#N/A N/A
1997	5	4-May-97	2.20	2.27	2.38	#N/A N/A
1997	5	5-May-97	2.22	2.30	2.41	#N/A N/A
1997	5	6-May-97	2.24	2.33	2.45	#N/A N/A
1997	5	7-May-97	2.37	2.40	2.57	#N/A N/A
1997	5	8-May-97	2.35	2.40	2.52	#N/A N/A
1997	5	9-May-97	2.30	2.35	2.49	#N/A N/A
1997	5	10-May-97	2.30	2.35	2.49	#N/A N/A
1997	5	11-May-97	2.30	2.35	2.49	#N/A N/A

1997	5	12-May-97	2.25	2.32	2.46	#N/A N/A
1997	5	13-May-97	2.16	2.29	2.43	#N/A N/A
1997	5	14-May-97	2.22	2.31	2.43	#N/A N/A
1997	5	15-May-97	2.26	2.35	2.46	#N/A N/A
1997	5	16-May-97	2.19	2.28	2.40	#N/A N/A
1997	5	17-May-97	2.19	2.28	2.40	#N/A N/A
1997	5	18-May-97	2.19	2.28	2.40	#N/A N/A
1997	5	19-May-97	2.24	2.29	2.40	#N/A N/A
1997	5	20-May-97	2.21	2.26	2.41	#N/A N/A
1997	5	21-May-97	2.20	2.25	2.35	#N/A N/A
1997	5	22-May-97	2.20	2.28	2.35	#N/A N/A
1997	5	23-May-97	2.02	2.34	2.34	#N/A N/A
1997	5	24-May-97	2.02	2.34	2.34	#N/A N/A
1997	5	25-May-97	2.02	2.34	2.34	#N/A N/A
1997	5	26-May-97	2.02	2.24	2.34	#N/A N/A
1997	5	27-May-97	2.29	2.32	2.46	#N/A N/A
1997	5	28-May-97	2.32	2.34	2.47	#N/A N/A
1997	5	29-May-97	2.29	2.30	2.43	#N/A N/A
1997	5	30-May-97	2.20	2.24	2.41	#N/A N/A
1997	5	31-May-97	2.20	2.24	2.41	#N/A N/A
1997	6	1-Jun-97	2.20	2.24	2.41	#N/A N/A
1997	6	2-Jun-97	2.20	2.22	2.38	#N/A N/A
1997	6	3-Jun-97	2.11	2.12	2.31	#N/A N/A
1997	6	4-Jun-97	2.19	2.23	2.31	#N/A N/A
1997	6	5-Jun-97	2.18	2.23	2.29	#N/A N/A
1997	6	6-Jun-97	2.19	2.22	2.30	#N/A N/A
1997	6	7-Jun-97	2.19	2.22	2.30	#N/A N/A
1997	6	8-Jun-97	2.19	2.22	2.30	#N/A N/A
1997	6	9-Jun-97	2.20	2.24	2.35	#N/A N/A
1997	6	10-Jun-97	2.17	2.20	2.32	#N/A N/A
1997	6	11-Jun-97	2.18	2.22	2.32	#N/A N/A

1997	6	12-Jun-97	2.14	2.17	2.31	#N/A N/A
1997	6	13-Jun-97	2.15	2.17	2.31	#N/A N/A
1997	6	14-Jun-97	2.15	2.17	2.31	#N/A N/A
1997	6	15-Jun-97	2.15	2.17	2.31	#N/A N/A
1997	6	16-Jun-97	2.21	2.22	2.36	#N/A N/A
1997	6	17-Jun-97	2.18	2.23	2.34	#N/A N/A
1997	6	18-Jun-97	2.20	2.24	2.37	#N/A N/A
1997	6	19-Jun-97	2.22	2.27	2.39	#N/A N/A
1997	6	20-Jun-97	2.23	2.29	2.44	#N/A N/A
1997	6	21-Jun-97	2.23	2.29	2.44	#N/A N/A
1997	6	22-Jun-97	2.23	2.29	2.44	#N/A N/A
1997	6	23-Jun-97	2.28	2.39	2.48	#N/A N/A
1997	6	24-Jun-97	2.32	2.42	2.52	#N/A N/A
1997	6	25-Jun-97	2.32	2.40	2.52	#N/A N/A
1997	6	26-Jun-97	2.25	2.20	2.42	#N/A N/A
1997	6	27-Jun-97	2.17	2.22	2.36	#N/A N/A
1997	6	28-Jun-97	2.17	2.22	2.36	#N/A N/A
1997	6	29-Jun-97	2.17	2.22	2.36	#N/A N/A
1997	6	30-Jun-97	2.17	2.23	2.38	#N/A N/A
1997	7	1-Jul-97	2.16	2.21	2.38	#N/A N/A
1997	7	2-Jul-97	2.12	2.16	2.33	#N/A N/A
1997	7	3-Jul-97	2.10	2.16	2.30	#N/A N/A
1997	7	4-Jul-97	2.10	2.16	2.30	#N/A N/A
1997	7	5-Jul-97	2.10	2.16	2.30	#N/A N/A
1997	7	6-Jul-97	2.10	2.16	2.30	#N/A N/A
1997	7	7-Jul-97	2.13	2.13	2.32	#N/A N/A
1997	7	8-Jul-97	2.14	2.18	2.32	#N/A N/A
1997	7	9-Jul-97	2.15	2.20	2.33	#N/A N/A
1997	7	10-Jul-97	2.15	2.20	2.33	#N/A N/A
1997	7	11-Jul-97	2.15	2.26	2.32	#N/A N/A
1997	7	12-Jul-97	2.15	2.26	2.32	#N/A N/A

1997	7	13-Jul-97	2.15	2.26	2.32	#N/A N/A
1997	7	14-Jul-97	2.17	2.26	2.36	#N/A N/A
1997	7	15-Jul-97	2.21	2.31	2.40	#N/A N/A
1997	7	16-Jul-97	2.23	2.30	2.44	#N/A N/A
1997	7	17-Jul-97	2.26	2.32	2.48	#N/A N/A
1997	7	18-Jul-97	2.21	2.28	2.43	#N/A N/A
1997	7	19-Jul-97	2.21	2.28	2.43	#N/A N/A
1997	7	20-Jul-97	2.21	2.28	2.43	#N/A N/A
1997	7	21-Jul-97	2.16	2.25	2.35	#N/A N/A
1997	7	22-Jul-97	2.17	2.24	2.35	#N/A N/A
1997	7	23-Jul-97	2.20	2.28	2.37	#N/A N/A
1997	7	24-Jul-97	2.24	2.33	2.40	#N/A N/A
1997	7	25-Jul-97	2.22	2.32	2.40	#N/A N/A
1997	7	26-Jul-97	2.22	2.32	2.40	#N/A N/A
1997	7	27-Jul-97	2.22	2.32	2.40	#N/A N/A
1997	7	28-Jul-97	2.19	2.32	2.40	#N/A N/A
1997	7	29-Jul-97	2.22	2.30	2.40	#N/A N/A
1997	7	30-Jul-97	2.23	2.31	2.40	#N/A N/A
1997	7	31-Jul-97	2.23	2.28	2.37	#N/A N/A
1997	8	1-Aug-97	2.24	2.29	2.38	#N/A N/A
1997	8	2-Aug-97	2.24	2.29	2.38	#N/A N/A
1997	8	3-Aug-97	2.24	2.29	2.38	#N/A N/A
1997	8	4-Aug-97	2.27	2.33	2.36	#N/A N/A
1997	8	5-Aug-97	2.34	2.40	2.45	#N/A N/A
1997	8	6-Aug-97	2.36	2.41	2.50	#N/A N/A
1997	8	7-Aug-97	2.43	2.54	2.62	#N/A N/A
1997	8	8-Aug-97	2.38	2.44	2.51	#N/A N/A
1997	8	9-Aug-97	2.38	2.44	2.51	#N/A N/A
1997	8	10-Aug-97	2.38	2.44	2.51	#N/A N/A
1997	8	11-Aug-97	2.54	2.63	2.65	#N/A N/A
1997	8	12-Aug-97	2.57	2.62	2.69	#N/A N/A

1997	8	13-Aug-97	2.44	2.53	2.60	#N/A N/A
1997	8	14-Aug-97	2.55	2.62	2.73	#N/A N/A
1997	8	15-Aug-97	2.53	2.61	2.72	#N/A N/A
1997	8	16-Aug-97	2.53	2.61	2.72	#N/A N/A
1997	8	17-Aug-97	2.53	2.61	2.72	#N/A N/A
1997	8	18-Aug-97	2.57	2.62	2.72	#N/A N/A
1997	8	19-Aug-97	2.61	2.66	2.78	#N/A N/A
1997	8	20-Aug-97	2.59	2.62	2.71	#N/A N/A
1997	8	21-Aug-97	2.44	2.52	2.61	#N/A N/A
1997	8	22-Aug-97	2.44	2.48	2.61	#N/A N/A
1997	8	23-Aug-97	2.44	2.48	2.61	#N/A N/A
1997	8	24-Aug-97	2.44	2.48	2.61	#N/A N/A
1997	8	25-Aug-97	2.52	2.60	2.70	#N/A N/A
1997	8	26-Aug-97	2.58	2.70	2.76	#N/A N/A
1997	8	27-Aug-97	2.51	2.61	2.70	#N/A N/A
1997	8	28-Aug-97	2.57	2.69	2.74	#N/A N/A
1997	8	29-Aug-97	2.70	2.77	2.79	#N/A N/A
1997	8	30-Aug-97	2.70	2.77	2.79	#N/A N/A
1997	8	31-Aug-97	2.70	2.77	2.79	#N/A N/A
1997	9	1-Sep-97	2.70	2.77	2.79	#N/A N/A
1997	9	2-Sep-97	2.80	2.85	2.93	#N/A N/A
1997	9	3-Sep-97	2.78	2.95	2.98	#N/A N/A
1997	9	4-Sep-97	2.74	2.82	2.88	#N/A N/A
1997	9	5-Sep-97	2.72	2.72	2.78	#N/A N/A
1997	9	6-Sep-97	2.72	2.72	2.78	#N/A N/A
1997	9	7-Sep-97	2.72	2.72	2.78	#N/A N/A
1997	9	8-Sep-97	2.67	2.76	2.79	#N/A N/A
1997	9	9-Sep-97	2.75	2.84	2.90	#N/A N/A
1997	9	10-Sep-97	2.73	2.84	2.90	#N/A N/A
1997	9	11-Sep-97	2.76	2.90	2.90	#N/A N/A
1997	9	12-Sep-97	2.82	2.97	2.95	#N/A N/A

1997	9	13-Sep-97	2.82	2.97	2.95	#N/A	N/A
1997	9	14-Sep-97	2.82	2.97	2.95	#N/A	N/A
1997	9	15-Sep-97	2.87	2.97	3.01	#N/A	N/A
1997	9	16-Sep-97	2.82	2.93	2.99	#N/A	N/A
1997	9	17-Sep-97	2.74	2.86	2.95	#N/A	N/A
1997	9	18-Sep-97	2.85	2.96	2.99	#N/A	N/A
1997	9	19-Sep-97	2.93	3.05	3.09	#N/A	N/A
1997	9	20-Sep-97	2.93	3.05	3.09	#N/A	N/A
1997	9	21-Sep-97	2.93	3.05	3.09	#N/A	N/A
1997	9	22-Sep-97	2.95	3.05	3.11	#N/A	N/A
1997	9	23-Sep-97	3.06	3.20	3.28	#N/A	N/A
1997	9	24-Sep-97	3.00	3.14	3.19	#N/A	N/A
1997	9	25-Sep-97	3.06	3.15	3.22	#N/A	N/A
1997	9	26-Sep-97	3.20	3.35	3.42	#N/A	N/A
1997	9	27-Sep-97	3.20	3.35	3.42	#N/A	N/A
1997	9	28-Sep-97	3.20	3.35	3.42	#N/A	N/A
1997	9	29-Sep-97	2.95	3.13	3.27	#N/A	N/A
1997	9	30-Sep-97	2.97	3.02	3.21	#N/A	N/A
1997	10	1-Oct-97	3.10	3.18	3.29	#N/A	N/A
1997	10	2-Oct-97	2.96	3.10	3.23	#N/A	N/A
1997	10	3-Oct-97	2.96	2.89	3.18	#N/A	N/A
1997	10	4-Oct-97	2.96	2.89	3.18	#N/A	N/A
1997	10	5-Oct-97	2.96	2.89	3.18	#N/A	N/A
1997	10	6-Oct-97	2.96	3.11	3.19	#N/A	N/A
1997	10	7-Oct-97	2.81	2.93	3.01	#N/A	N/A
1997	10	8-Oct-97	2.82	2.90	2.97	#N/A	N/A
1997	10	9-Oct-97	2.78	2.94	2.97	#N/A	N/A
1997	10	10-Oct-97	2.78	2.88	2.96	#N/A	N/A
1997	10	11-Oct-97	2.78	2.88	2.96	#N/A	N/A
1997	10	12-Oct-97	2.78	2.88	2.96	#N/A	N/A
1997	10	13-Oct-97	2.85	3.11	3.10	#N/A	N/A

1997	10	14-Oct-97	2.83	3.01	3.09	#N/A N/A
1997	10	15-Oct-97	2.84	3.01	3.09	#N/A N/A
1997	10	16-Oct-97	2.92	3.10	3.17	#N/A N/A
1997	10	17-Oct-97	2.98	3.13	3.24	#N/A N/A
1997	10	18-Oct-97	2.98	3.13	3.24	#N/A N/A
1997	10	19-Oct-97	2.98	3.13	3.24	#N/A N/A
1997	10	20-Oct-97	3.05	3.33	3.28	#N/A N/A
1997	10	21-Oct-97	3.16	3.43	3.31	#N/A N/A
1997	10	22-Oct-97	3.23	3.54	3.56	#N/A N/A
1997	10	23-Oct-97	3.34	3.70	3.65	#N/A N/A
1997	10	24-Oct-97	3.24	3.52	3.58	#N/A N/A
1997	10	25-Oct-97	3.24	3.52	3.58	#N/A N/A
1997	10	26-Oct-97	3.24	3.52	3.58	#N/A N/A
1997	10	27-Oct-97	3.47	3.65	3.74	#N/A N/A
1997	10	28-Oct-97	3.56	3.81	3.98	#N/A N/A
1997	10	29-Oct-97	3.43	3.64	3.77	#N/A N/A
1997	10	30-Oct-97	3.25	3.47	3.58	#N/A N/A
1997	10	31-Oct-97	3.27	3.54	3.56	#N/A N/A
1997	11	1-Nov-97	3.27	3.54	3.56	#N/A N/A
1997	11	2-Nov-97	3.27	3.54	3.56	#N/A N/A
1997	11	3-Nov-97	3.17	3.57	3.50	#N/A N/A
1997	11	4-Nov-97	3.14	3.43	3.42	#N/A N/A
1997	11	5-Nov-97	3.18	3.49	3.52	#N/A N/A
1997	11	6-Nov-97	3.20	3.46	3.50	#N/A N/A
1997	11	7-Nov-97	3.05	3.26	3.34	#N/A N/A
1997	11	8-Nov-97	3.05	3.26	3.34	#N/A N/A
1997	11	9-Nov-97	3.05	3.26	3.34	#N/A N/A
1997	11	10-Nov-97	3.20	3.41	3.44	#N/A N/A
1997	11	11-Nov-97	3.24	3.47	3.49	#N/A N/A
1997	11	12-Nov-97	3.28	3.45	3.49	#N/A N/A
1997	11	13-Nov-97	3.26	3.49	3.49	#N/A N/A

1997	11	14-Nov-97	3.20	3.43	3.44	#N/A N/A
1997	11	15-Nov-97	3.20	3.43	3.44	#N/A N/A
1997	11	16-Nov-97	3.20	3.43	3.44	#N/A N/A
1997	11	17-Nov-97	3.09	3.27	3.37	#N/A N/A
1997	11	18-Nov-97	2.97	3.19	3.27	#N/A N/A
1997	11	19-Nov-97	2.97	3.18	3.28	#N/A N/A
1997	11	20-Nov-97	2.74	2.94	2.99	#N/A N/A
1997	11	21-Nov-97	2.56	2.66	2.78	#N/A N/A
1997	11	22-Nov-97	2.56	2.66	2.78	#N/A N/A
1997	11	23-Nov-97	2.56	2.66	2.78	#N/A N/A
1997	11	24-Nov-97	2.64	2.60	2.80	#N/A N/A
1997	11	25-Nov-97	2.50	2.58	2.68	#N/A N/A
1997	11	26-Nov-97	2.41	2.35	2.68	#N/A N/A
1997	11	27-Nov-97	2.41	2.35	2.68	#N/A N/A
1997	11	28-Nov-97	2.41	2.36	2.68	#N/A N/A
1997	11	29-Nov-97	2.41	2.36	2.68	#N/A N/A
1997	11	30-Nov-97	2.41	2.36	2.68	#N/A N/A
1997	12	1-Dec-97	2.48	2.60	2.71	#N/A N/A
1997	12	2-Dec-97	2.57	2.70	2.76	#N/A N/A
1997	12	3-Dec-97	2.51	2.63	2.74	#N/A N/A
1997	12	4-Dec-97	2.45	2.53	2.65	#N/A N/A
1997	12	5-Dec-97	2.38	2.48	2.58	#N/A N/A
1997	12	6-Dec-97	2.38	2.48	2.58	#N/A N/A
1997	12	7-Dec-97	2.38	2.48	2.58	#N/A N/A
1997	12	8-Dec-97	2.25	2.35	2.46	#N/A N/A
1997	12	9-Dec-97	2.35	2.35	2.58	#N/A N/A
1997	12	10-Dec-97	2.46	2.48	2.62	#N/A N/A
1997	12	11-Dec-97	2.30	2.33	2.41	#N/A N/A
1997	12	12-Dec-97	2.28	2.32	2.51	#N/A N/A
1997	12	13-Dec-97	2.28	2.32	2.51	#N/A N/A
1997	12	14-Dec-97	2.28	2.32	2.51	#N/A N/A

1997	12	15-Dec-97	2.22	2.25	2.44	#N/A N/A
1997	12	16-Dec-97	2.31	2.31	2.48	#N/A N/A
1997	12	17-Dec-97	2.36	2.37	2.55	#N/A N/A
1997	12	18-Dec-97	2.36	2.35	2.54	#N/A N/A
1997	12	19-Dec-97	2.38	2.39	2.52	#N/A N/A
1997	12	20-Dec-97	2.38	2.39	2.52	#N/A N/A
1997	12	21-Dec-97	2.38	2.39	2.52	#N/A N/A
1997	12	22-Dec-97	2.35	2.40	2.54	#N/A N/A
1997	12	23-Dec-97	2.12	2.29	2.40	#N/A N/A
1997	12	24-Dec-97	2.06	2.22	2.20	#N/A N/A
1997	12	25-Dec-97	2.06	2.22	2.20	#N/A N/A
1997	12	26-Dec-97	2.20	2.22	2.20	#N/A N/A
1997	12	27-Dec-97	2.20	2.22	2.20	#N/A N/A
1997	12	28-Dec-97	2.20	2.22	2.20	#N/A N/A
1997	12	29-Dec-97	2.30	2.32	2.46	#N/A N/A
1997	12	30-Dec-97	2.23	2.31	2.46	#N/A N/A
1997	12	31-Dec-97	2.23	2.31	2.53	#N/A N/A
1998	1	1-Jan-98	2.23	2.31	2.53	#N/A N/A
1998	1	2-Jan-98	2.16	2.24	2.45	#N/A N/A
1998	1	3-Jan-98	2.16	2.24	2.45	#N/A N/A
1998	1	4-Jan-98	2.16	2.24	2.45	#N/A N/A
1998	1	5-Jan-98	2.05	2.12	2.23	#N/A N/A
1998	1	6-Jan-98	2.12	2.20	2.30	#N/A N/A
1998	1	7-Jan-98	2.10	2.19	2.31	#N/A N/A
1998	1	8-Jan-98	2.11	2.16	2.24	#N/A N/A
1998	1	9-Jan-98	2.07	2.14	2.24	#N/A N/A
1998	1	10-Jan-98	2.07	2.14	2.24	#N/A N/A
1998	1	11-Jan-98	2.07	2.14	2.24	#N/A N/A
1998	1	12-Jan-98	1.98	2.06	2.18	#N/A N/A
1998	1	13-Jan-98	2.05	2.10	2.18	#N/A N/A
1998	1	14-Jan-98	2.03	2.12	2.20	#N/A N/A