



Monthly Energy Rate  
Apr-09

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Apr-09 Rate (\$/MWh)	Apr-09 Rate (¢/kWh)
Residential	\$31.34	\$37.71	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.27	\$2.29	\$0.42	\$2.46	\$ 0.01	\$77.08	7.708
Commercial	\$31.22	\$37.58	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.27	\$2.29	\$0.42	\$2.46	\$ 0.01	\$76.83	7.683
Industrial	\$30.23	\$36.46	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.27	\$2.29	\$0.42	\$2.46	\$ 0.01	\$74.73	7.473
Farming (Includes REA)	\$31.16	\$37.51	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.27	\$2.29	\$0.42	\$2.46	\$ 0.01	\$76.71	7.671
Irrigation (Includes REA)	\$30.68	\$37.02	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.28	\$2.29	\$0.42	\$2.46	\$ 0.01	\$75.74	7.574
Oil & Gas	\$30.08	\$36.31	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.28	\$2.29	\$0.42	\$2.46	\$ 0.01	\$74.43	7.443
Lighting	\$18.42	\$22.98	\$1.73	\$0.21	\$0.63	\$0.00	\$0.03	\$0.27	\$2.29	\$0.42	\$2.46	\$ 0.01	\$49.44	4.944
	<i>Schedule 2</i>	<i>Schedule 2</i>	<i>Schedule 3</i>	<i>Schedule 5</i>	<i>Schedule 5</i>	<i>Schedule 5</i>	<i>Schedule 4</i>	<i>Schedule 4</i>	<i>Schedule 3</i>	<i>Schedule 3</i>	<i>Schedule 3</i>			

**Monthly Energy Rate<sub>rc</sub> =**
 TEC<sub>rc</sub> (Schedule 2 (line 10:16))
 + 45EC (Schedule 2 (line 10:16))
 + HLSC (Schedule 3 (line 2))
 + PCG&LOC (Schedule 5 (line 10))
 + NEC (Schedule 5 (line 16))
 + NEC Adjustment (Schedule 5 (line 23))
 + TC<sub>rc</sub> (Schedule 4 (line 2:8))
 + PTC<sub>rc</sub> (Schedule 4 (line 11:17))
 + RComp (Schedule 3 (line 3))
 + IP (Schedule 3 (line 23))
 + RM (Schedule 3 (line 21))
 + RM Shortfall (Schedule 8 (line 11:17))
 + CC (Schedule 6 (line 13))

Schedule 2 - Off-Peak and Peak Energy Portfolio Costs by Rate Class  
Apr-09

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	3,306,217	435,815	3,941,339	563,592	-
2	Residential	\$	1,570,579	196,635	1,872,286	254,286	0
3	Commercial	\$	731,403	95,168	871,905	123,070	0
4	Industrial	\$	182,948	29,235	218,092	37,807	0
5	Farming	\$	788,008	106,084	939,384	137,187	0
6	Irrigation	\$	1,405	237	1,674	306	0
7	Oil & Gas	\$	29,101	5,130	34,691	6,634	0
8	Lighting	\$	2,774	3,327	3,307	4,302	0

Term Volume Energy Cost<sub>rc</sub> = [TPEC<sub>(Schedule 2 (line 1))</sub> X RCFPLPrc<sub>(Schedule 7 (line 8:14))</sub>] + [TOPEC<sub>(Schedule 2 (line 1))</sub> X RCFOPLPrc<sub>(Schedule 7 (line 8:14))</sub>]  
 45 -Day Energy Cost<sub>rc</sub> = [45PEC<sub>(Schedule 2 (line 1))</sub> X RCFPLPrc<sub>(Schedule 7 (line 8:14))</sub>] + [45OPEC<sub>(Schedule 2 (line 1))</sub> X RCFOPLPrc<sub>(Schedule 7 (line 8:14))</sub>] + OC<sub>rc</sub>  
 OC<sub>rc</sub> = Option Cost X LDTLF<sub>rc (Schedule 7 (line 15:21))</sub> ÷ LDTLF<sub>(Schedule 7 (line 22))</sub>

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	31.34	37.71
11	Commercial	\$/MWh	31.22	37.58
12	Industrial	\$/MWh	30.23	36.46
13	Farming	\$/MWh	31.16	37.51
14	Irrigation	\$/MWh	30.68	37.02
15	Oil & Gas	\$/MWh	30.08	36.31
16	Lighting	\$/MWh	18.42	22.98

Term Energy Charge<sub>rc</sub> = (TPEC<sub>rc</sub> + TOPEC<sub>rc</sub>)<sub>(Schedule 2 (line 2:8))</sub> ÷ LDMLF<sub>rc (Schedule 7 (line 22))</sub>  
 45-Day Energy Charge<sub>rc</sub> = (45PEC<sub>rc</sub> + 45OPEC<sub>rc</sub>)<sub>(Schedule 2 (line 2:8))</sub> ÷ LDMLF<sub>rc (Schedule 7 (line 22))</sub>

Schedule 3 - Hourly Load Shape Compensation, Risk Compensation, Return Margin and Incentive Payment  
Apr-09

Line No	Description	Units	Apr-09
1	Peak Price Index	\$/MWh	65.99
2	<b>HLSC</b> (reference: Terms of Settlement 1(h))	\$/MWh	<b>1.728</b>
3	<b>Rcomp</b> (reference: Schedule E "Rcomp")	\$/MWh	<b>2.289</b>
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	1.618
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	1,112
6	Credit Default Risk Rate	\$/MWh	0.009
7	RAM Monthly Forecast Costs	\$	79,560
8	RAM Monthly Forecast Rate	\$/MWh	0.662
9	12 Months of Historical RAM		
10		Mar-08	5,338.02
11		Apr-08	(11,737.78)
12		May-08	447,203.60
13		Jun-08	252.84
14		Jul-08	509,399.85
15		Aug-08	-
16		Sep-08	50.15
17		Oct-08	-
18		Nov-08	4,063.37
19		Dec-08	-
20		Jan-09	-
		Feb-09	150.00
21	<b>RM</b>	\$/MWh	<b>2.46</b>
22	IP	\$	50,000
23	<b>IP Rate</b> (reference: Terms of Settlement 1(k))	\$/MWh	<b>0.416</b>

$$\text{HLSC} = [\$1.59 + ((\text{Max}(\text{Peak Price Index}_{(\text{Schedule 3 (line 1))}, 65.00) - 65.00) \times 0.05)] \times \text{LDTLF}_{(\text{Schedule 7 (line 22)})} \div \text{LDMLF}_{(\text{Schedule 7 (line 22)})}$$

$$\text{Risk Compensation} = [\$1.50 + ((\text{Max}(\text{Peak Price Index}_{(\text{Schedule 3 (line 1))}, 65.00) - 65.00) \times 0.035)] \times \text{LDTLF}_{(\text{Schedule 7 (line 22)})} \div \text{LDMLF}_{(\text{Schedule 7 (line 22)})}$$

$$\text{RCOMP} = \text{Risk Compensation}_{(\text{Schedule 3 (line 4)})} + \text{Credit Default Risk}_{(\text{Schedule 3 (line 6)})} + \text{RAM Monthly Forecast Rate}_{(\text{Schedule 3 (line 8)})}$$

Schedule 4 - Transaction Costs and Pool Trading Charges by Rate Class  
Apr-09

Line No	Description	Units	Apr-09
1	<b>Transaction Costs</b> (reference: Schedule A "Transaction Costs")	(\$)	3,822
2	Residential	\$/MWh	0.032
3	Commercial	\$/MWh	0.032
4	Industrial	\$/MWh	0.032
5	Farming	\$/MWh	0.032
6	Irrigation	\$/MWh	0.033
7	Oil & Gas	\$/MWh	0.032
8	Lighting	\$/MWh	0.032
9	$TC_{rc} = \{ TC_{(Schedule\ 4\ (line\ 1))} \times ( LDTLF_{rc\ (Schedule\ 7\ (line\ 15:21))} \div LDTLF_{(Schedule\ 7\ (line\ 22))} ) \} \div LDMLF_{rc\ (Schedule\ 7\ (line\ 15:21))}$		
10	<b>Pool Trading Charges</b> (reference: Schedule E "PTC")	\$/MWh	0.257
11	Residential	\$/MWh	0.270
12	Commercial	\$/MWh	0.271
13	Industrial	\$/MWh	0.272
14	Farming	\$/MWh	0.272
15	Irrigation	\$/MWh	0.279
16	Oil & Gas	\$/MWh	0.275
17	Lighting	\$/MWh	0.269
18	$PTC_{rc} = PTC_{(Schedule\ 4\ (line\ 10))} \times ( LDTLF_{rc\ (Schedule\ 7\ (line\ 15:21))} \div LDMLF_{rc\ (Schedule\ 7\ (line\ 15:21))}$		

Schedule 5 - PCG & LOC Costs, Non-Energy Costs and Non-Energy Cost Adjustment  
Apr-09

Line No	Description	Units	Apr-09
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	120,113
2	PCG & LOC Posted Amount for NGX	\$	10,000,000
3	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&amp;LOC Costs")</i>		1.000
4	PCG & LOC Costs Monthly for NGX	\$	8,333
5	PCG & LOC Posted Amount for ISO (as per Section 21 of RRO Regulation)	\$	25,500,000
6	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&amp;LOC Costs")</i>		0.775
7	PCG & LOC Costs Monthly for ISO	\$	16,469
8	PCG & LOC Costs for other Counterparties	\$	-
10	<b>Total PCG &amp; LOC (\$/MWh)</b>	<b>\$/MWh</b>	<b>0.21</b>
11	Non-Energy Costs		
12	Monthly Operating & Capital Costs <i>(reference: Terms of Settlement 1(h))</i>	\$	61,050
13	Monthly Implementation Costs*		10,000
14	Hearing/Negotiation Costs*	\$	4,412
15	Total Non-Energy Costs	\$	75,462
16	<b>Non-Energy Costs Rate (\$/MWh)</b>	<b>\$/MWh</b>	<b>0.63</b>
17	Non-Energy Cost Adjustment		
18	Recovered in past quarter	\$	-
19	Actual Costs	\$	-
20	Non-Energy Costs Adjustment (under/(over recovery)) line 19-line 20	\$	-
21	<b>Non-Energy Cost Adjustment (\$/MWh)</b>	<b>\$/MWh</b>	<b>-</b>

\*These amounts are subject to deferral accounts

Line 2 - NGX Posted Amount will be updated on a monthly basis

Line 5 - ISO Rules - DERS will be required to post PCG and LOC

Line 8 - DERS to post PCG & LOC for other counterparties as required depending on actual trades

Line 17 - NEC Adjustment will be done quarterly based on filed quarterly costs and actual load (Adjust Implementation Costs and Hearing/Negotiation Costs)

Schedule 6 - Carrying Costs  
Apr-09

Line No	Description	Units	Apr-09
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	147,787
3	Mid-Month Balance of Hearing/Negotiation Account	\$	116,906
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.03%
5	<b>Monthly Carrying Costs (Hearing/Negotiation Cots)</b>		<b>782</b>
6	Paid Option Premiums	\$	-
7	Option Premiums included in rates	\$	-
8	Carried Option Premiums	\$	-
9	Current Working Capital Rate (before tax)	%	8.03%
10	<b>Monthly Carrying Costs (Option Premiums)</b>		<b>-</b>
11	<b>Total Monthly Carrying Costs</b> <i>(line 5 + line 10)</i>		<b>782</b>
12	<b>LDMLF</b>		<b>120,113</b>
13	<b>Carrying Cost (\$/MWh)</b>		<b>0.007</b>

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data  
Apr-09

Monthly On-Peak and Off-Peak Forecast by rate class

Line No		On-Peak	Off-Peak
1	Residential	43,304	15,998
2	Commercial	20,166	7,743
3	Industrial	5,044	2,378
4	Farming	21,727	8,631
5	Irrigation	39	19
6	Oil & Gas	802	417
7	Lighting	76	271

Monthly On-Peak and Off-Peak share by rate class

		RCFPLP	RCFOPLP
8	Residential	47.5%	45.1%
9	Commercial	22.1%	21.8%
10	Industrial	5.5%	6.7%
11	Farming	23.8%	24.3%
12	Irrigation	0.0%	0.1%
13	Oil & Gas	0.9%	1.2%
14	Lighting	0.1%	0.8%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	59,302	56,397
16	Commercial	27,909	26,478
17	Industrial	7,423	7,018
18	Farming	30,358	28,697
19	Irrigation	58	54
20	Oil & Gas	1,220	1,138
21	Lighting	347	331
22	Total	126,617	120,113

**Input Sheet**

**Applicable Month** **Apr-09**

**Monthly On-Peak and Off-Peak Volume by Rate Class (MWh)**

<b>Off-Peak</b>	<b>Apr-09</b>
Sum of Residential	15,998
Sum of Commercial	7,743
Sum of Industrial	2,378
Sum of Farming	8,631
Sum of Irrigation	19
Sum of Oil & Gas	417
Sum of Lighting	271

<b>On-Peak</b>	<b>Apr-09</b>
Sum of Residential	43,304
Sum of Commercial	20,166
Sum of Industrial	5,044
Sum of Farming	21,727
Sum of Irrigation	39
Sum of Oil & Gas	802
Sum of Lighting	76

**LDMLFrc - Excluding Losses and UFE (MWh)**

	<b>Apr-09</b>
Sum of Residential	56,397
Sum of Commercial	26,478
Sum of Industrial	7,018
Sum of Farming	28,697
Sum of Irrigation	54
Sum of Oil & Gas	1,138
Sum of Lighting	331

	<b>MWh</b>	<b>%</b>
<b>Term Volumes (Includes UFE and Losses)</b>	48,720	38.5%
<b>45 Day Volumes (Includes UFE and Losses)</b>	77,897	61.5%

	<b>Apr-09</b>
<b>Term Peak Energy Costs</b>	3,306,217
<b>Term Off-Peak Energy Costs</b>	435,815
<b>45 Peak Energy Costs</b>	3,941,339
<b>45 Off-Peak Energy Costs</b>	563,592
	<u>8,246,963</u>

<b>Forecast Costs</b>	<b>Apr-09</b>
NGX PCG & LOC Posted Amount	10,000,000
AESO PCG & LOC Posted Amount	25,500,000
LOC Annual Rate - NGX	0.600
PCG Annual Rate	0.400
LOC Annual Rate	0.375
Monthly Implementation Costs	10,000
Hearing/Negotiation Costs Monthly	4,412
Number of Months in Plan	33.5
Recovered Negotiation Costs for CC	147,787
NEC	61,050
Incentive Payments	50,000
Credit default Risk	1,112
Transaction Costs	3,822
Pool Trading Charges \$/MWh	0.257
RM	2.460
Peak Price index	65.99

**Historical RAM**

	<b>RAM</b>
Mar-08	5,338.02
Apr-08	(11,737.78)
May-08	447,203.60
Jun-08	252.84
Jul-08	509,399.85
Aug-08	-
Sep-08	50.15
Oct-08	-
Nov-08	4,063.37
Dec-08	-
Jan-09	-
Feb-09	150.00