



Monthly Energy Rate
May-09

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	May-09 Rate (\$/MWh)	May-09 Rate (¢/kWh)
Residential	\$32.77	\$37.02	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.27	\$2.45	\$0.45	\$2.46	\$ 0.01	\$78.29	7.829
Commercial	\$32.99	\$37.26	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.27	\$2.45	\$0.45	\$2.46	\$ 0.01	\$78.75	7.875
Industrial	\$31.71	\$35.94	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.27	\$2.45	\$0.45	\$2.46	\$ 0.01	\$76.15	7.615
Farming (Includes REA)	\$32.74	\$37.01	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.27	\$2.45	\$0.45	\$2.46	\$ 0.01	\$78.26	7.826
Irrigation (Includes REA)	\$32.15	\$36.48	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.28	\$2.45	\$0.45	\$2.46	\$ 0.01	\$77.14	7.714
Oil & Gas	\$31.49	\$35.75	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.28	\$2.45	\$0.45	\$2.46	\$ 0.01	\$75.75	7.575
Lighting	\$16.92	\$20.60	\$1.88	\$0.22	\$0.68	\$0.07	\$0.01	\$0.27	\$2.45	\$0.45	\$2.46	\$ 0.01	\$46.02	4.602

Schedule 2 Schedule 2 Schedule 3 Schedule 5 Schedule 5 Schedule 5 Schedule 4 Schedule 4 Schedule 3 Schedule 3 Schedule 3

Monthly Energy Rate_{rc} = TEC_{rc} (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_{rc} (Schedule 4 (line 2:8)) + PTC_{rc} (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
May-09

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	3,221,543	415,049	3,583,916	526,061	-
2	Residential	\$	1,557,678	195,412	1,732,892	247,678	0
3	Commercial	\$	759,137	92,740	844,528	117,545	0
4	Industrial	\$	182,359	28,563	202,872	36,203	0
5	Farming	\$	691,260	90,351	769,015	114,517	0
6	Irrigation	\$	3,200	529	3,560	670	0
7	Oil & Gas	\$	26,568	4,627	29,556	5,865	0
8	Lighting	\$	1,341	2,828	1,492	3,584	0

Term Volume Energy Cost_{rc} = [TPEC_{(Schedule 2 (line 1))} X RCFPLPrc_{(Schedule 7 (line 8:14))}] + [TOPEC_{(Schedule 2 (line 1))} X RCFOPLP_{rc (Schedule 7 (line 8:14))}]
 45 -Day Energy Cost_{rc} = [45PEC_{(Schedule 2 (line 1))} X RCFPLPrc_{(Schedule 7 (line 8:14))}] + [45OPEC_{(Schedule 2 (line 1))} X RCFOPLP_{rc (Schedule 7 (line 8:14))}] + OC_{rc}
 OC_{rc} = Option Cost X LDTLF_{rc (Schedule 7 (line 15:21))} ÷ LDTLF_{(Schedule 7 (line 22))}

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	32.77	37.02
11	Commercial	\$/MWh	32.99	37.26
12	Industrial	\$/MWh	31.71	35.94
13	Farming	\$/MWh	32.74	37.01
14	Irrigation	\$/MWh	32.15	36.48
15	Oil & Gas	\$/MWh	31.49	35.75
16	Lighting	\$/MWh	16.92	20.60

Term Energy Charge_{rc} = (TPEC_{rc} + TOPEC_{rc})_{(Schedule 2 (line 2:8))} ÷ LDMLF_{rc (Schedule 7 (line 22))}
 45-Day Energy Charge_{rc} = (45PEC_{rc} + 45OPEC_{rc})_{(Schedule 2 (line 2:8))} ÷ LDMLF_{rc (Schedule 7 (line 22))}

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

Line No	Description	Units	May-09
1	Peak Price Index	\$/MWh	68.96
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	1.884
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	2.448
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	1.727
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	1,029
6	Credit Default Risk Rate	\$/MWh	0.009
7	RAM Monthly Forecast Costs	\$	79,165
8	RAM Monthly Forecast Rate	\$/MWh	0.712
9	12 Months of Historical RAM		
10		Apr-08	(11,737.78)
11		May-08	447,203.60
12		Jun-08	252.84
13		Jul-08	509,399.85
14		Aug-08	-
15		Sep-08	50.15
16		Oct-08	-
17		Nov-08	4,063.37
18		Dec-08	-
19		Jan-09	-
20		Feb-09	150.00
		Mar-09	598.24
21	RM	\$/MWh	2.46
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.450

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

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

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

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

<u>Line No</u>	<u>Description</u>	<u>Units</u>	<u>May-09</u>
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	1,541
2	Residential	\$/MWh	0.014
3	Commercial	\$/MWh	0.014
4	Industrial	\$/MWh	0.014
5	Farming	\$/MWh	0.014
6	Irrigation	\$/MWh	0.014
7	Oil & Gas	\$/MWh	0.014
8	Lighting	\$/MWh	0.014
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	Pool Trading Charges (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	0.278
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
May-09**

Line No	Description	Units	May-09
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	111,195
2	PCG & LOC Posted Amount for NGX	\$	10,000,000
3	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&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&LOC Costs")</i>		0.775
7	PCG & LOC Costs Monthly for ISO	\$	16,469
8	PCG & LOC Costs for other Counterparties	\$	-
10	Total PCG & LOC (\$/MWh)	\$/MWh	0.22
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	Non-Energy Costs Rate (\$/MWh)	\$/MWh	0.68
17	Non-Energy Cost Adjustment		
18	Recovered in past quarter	\$	31,849
19	Actual Costs	\$	39,178
20	Non-Energy Costs Adjustment (under/(over recovery)) line 19-line 20	\$	7,328
21	Non-Energy Cost Adjustment (\$/MWh)	\$/MWh	0.07

*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
May-09

Line No	Description	Units	May-09
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	152,198
3	Mid-Month Balance of Hearing/Negotiation Account	\$	112,494
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.03%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		753
6	Paid Option Premiums	\$	-
7	Option Premiums included in rates	\$	-
8	Carried Option Premiums	\$	-
9	Current Working Capital Rate (before tax)	%	8.03%
10	Monthly Carrying Costs (Option Premiums)		-
11	Total Monthly Carrying Costs <i>(line 5 + line 10)</i>		753
12	LDMLF		111,195
13	Carrying Cost (\$/MWh)		0.007

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data
May-09

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

Line No		On-Peak	Off-Peak
1	Residential	40,827	15,416
2	Commercial	19,897	7,316
3	Industrial	4,780	2,253
4	Farming	18,118	7,128
5	Irrigation	84	42
6	Oil & Gas	696	365
7	Lighting	35	223

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

		RCFPLP	RCFOPLP
8	Residential	48.4%	47.1%
9	Commercial	23.6%	22.3%
10	Industrial	5.7%	6.9%
11	Farming	21.5%	21.8%
12	Irrigation	0.1%	0.1%
13	Oil & Gas	0.8%	1.1%
14	Lighting	0.0%	0.7%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	56,244	53,498
16	Commercial	27,214	25,821
17	Industrial	7,033	6,652
18	Farming	25,246	23,872
19	Irrigation	126	116
20	Oil & Gas	1,061	991
21	Lighting	258	246
22	Total	117,182	111,195

Input Sheet

Applicable Month **May-09**

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

Off-Peak	May-09
Sum of Residential	15,416
Sum of Commercial	7,316
Sum of Industrial	2,253
Sum of Farming	7,128
Sum of Irrigation	42
Sum of Oil & Gas	365
Sum of Lighting	223

On-Peak	May-09
Sum of Residential	40,827
Sum of Commercial	19,897
Sum of Industrial	4,780
Sum of Farming	18,118
Sum of Irrigation	84
Sum of Oil & Gas	696
Sum of Lighting	35

LDMLFrc - Excluding Losses and UFE (MWh)

	May-09
Sum of Residential	53,498
Sum of Commercial	25,821
Sum of Industrial	6,652
Sum of Farming	23,872
Sum of Irrigation	116
Sum of Oil & Gas	991
Sum of Lighting	246

	MWh	%
Term Volumes (Includes UFE and Losses)	46,624	39.8%
45 Day Volumes (Includes UFE and Losses)	70,558	60.2%

	May-09
Term Peak Energy Costs	3,221,543
Term Off-Peak Energy Costs	415,049
45 Peak Energy Costs	3,583,916
45 Off-Peak Energy Costs	526,061
	<u>7,746,568</u>

Forecast Costs	May-09
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	34.5
Recovered Negotiation Costs for CC	152,198
NEC	61,050
Incentive Payments	50,000
Credit default Risk	1,029
Transaction Costs	1,541
Pool Trading Charges \$/MWh	0.257
RM	2.460
Peak Price index	68.96

Historical RAM

	RAM
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
Mar-09	598.24