



Monthly Energy Rate
Mar-09

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Mar-09 Rate (\$/MWh)	Mar-09 Rate (¢/kWh)
Residential	\$34.36	\$51.13	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$95.51	9.551
Commercial	\$34.18	\$50.89	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$95.08	9.508
Industrial	\$32.96	\$49.19	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$92.17	9.217
Farming (Includes REA)	\$34.01	\$50.67	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$94.70	9.470
Irrigation (Includes REA)	\$34.01	\$50.67	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$94.70	9.470
Oil & Gas	\$32.77	\$48.96	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.28	\$3.13	\$0.35	\$2.46	\$ 0.01	\$91.76	9.176
Lighting	\$22.96	\$35.09	\$3.08	\$0.17	\$0.53	\$0.00	\$0.02	\$0.27	\$3.13	\$0.35	\$2.46	\$ 0.01	\$68.07	6.807

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
Mar-09

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	4,312,392	552,831	6,356,405	888,534	-
2	Residential	\$	2,017,348	242,814	2,973,541	390,262	0
3	Commercial	\$	954,879	120,431	1,407,478	193,562	0
4	Industrial	\$	235,962	37,483	347,804	60,244	0
5	Farming	\$	1,061,527	141,659	1,564,675	227,680	0
6	Irrigation	\$	0	0	0	0	0
7	Oil & Gas	\$	36,972	6,516	54,497	10,473	0
8	Lighting	\$	5,705	3,928	8,409	6,313	0

$$\text{Term Volume Energy Cost}_{rc} = [\text{TPEC}_{(Schedule 2 (line 1))} \times \text{RCFPLPr}_{(Schedule 7 (line 8:14))}] + [\text{TOPEC}_{(Schedule 2 (line 1))} \times \text{RCFOPLP}_{rc(Schedule 7 (line 8:14))}]$$

$$\text{45-Day Energy Cost}_{rc} = [\text{45PEC}_{(Schedule 2 (line 1))} \times \text{RCFPLPr}_{(Schedule 7 (line 8:14))}] + [\text{45OPEC}_{(Schedule 2 (line 1))} \times \text{RCFOPLP}_{rc(Schedule 7 (line 8:14))}] + \text{OC}_{rc}$$

$$\text{OC}_{rc} = \text{Option Cost} \times \text{LDTLF}_{rc(Schedule 7 (line 15:21))} \div \text{LDTLF}_{(Schedule 7 (line 22))}$$

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	34.36	51.13
11	Commercial	\$/MWh	34.18	50.89
12	Industrial	\$/MWh	32.96	49.19
13	Farming	\$/MWh	34.01	50.67
14	Irrigation	\$/MWh	34.01	50.67
15	Oil & Gas	\$/MWh	32.77	48.96
16	Lighting	\$/MWh	22.96	35.09

$$\text{Term Energy Charge}_{rc} = (\text{TPEC}_{rc} + \text{TOPEC}_{rc})_{(Schedule 2 (line 2:8))} \div \text{LDMLF}_{rc(Schedule 7 (line 22))}$$

$$\text{45-Day Energy Charge}_{rc} = (\text{45PEC}_{rc} + \text{45OPEC}_{rc})_{(Schedule 2 (line 2:8))} \div \text{LDMLF}_{rc(Schedule 7 (line 22))}$$

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

Line No	Description	Units	Mar-09
1	Peak Price Index	\$/MWh	91.63
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	3.079
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	3.130
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	2.563
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	1,381
6	Credit Default Risk Rate	\$/MWh	0.010
7	RAM Monthly Forecast Costs	\$	79,448
8	RAM Monthly Forecast Rate	\$/MWh	0.557
9	12 Months of Historical RAM		
10		Feb-08	(5,459.47)
11		Mar-08	5,338.02
12		Apr-08	(11,737.78)
13		May-08	447,203.60
14		Jun-08	252.84
15		Jul-08	509,399.85
16		Aug-08	-
17		Sep-08	50.15
18		Oct-08	-
19		Nov-08	4,063.37
20		Dec-08	-
		Jan-09	4,259.79
21	RM	\$/MWh	2.46
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.350

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

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

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

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

<u>Line No</u>	<u>Description</u>	<u>Units</u>	<u>Mar-09</u>
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	2,631
2	Residential	\$/MWh	0.018
3	Commercial	\$/MWh	0.018
4	Industrial	\$/MWh	0.019
5	Farming	\$/MWh	0.019
6	Irrigation	\$/MWh	0.019
7	Oil & Gas	\$/MWh	0.019
8	Lighting	\$/MWh	0.018
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	0.272
16	Oil & Gas	\$/MWh	0.276
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
Mar-09**

Line No	Description	Units	Mar-09
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	142,662
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	0.17
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	0.53
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	Non-Energy Cost Adjustment (\$/MWh)	\$/MWh	-

*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
Mar-09

Line No	Description	Units	Mar-09
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	143,375
3	Mid-Month Balance of Hearing/Negotiation Account	\$	121,317
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.03%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		812
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>		812
12	LDMLF		142,662
13	Carrying Cost (\$/MWh)		0.006

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data
Mar-09

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

Line No		On-Peak	Off-Peak
1	Residential	50,855	18,299
2	Commercial	24,071	9,076
3	Industrial	5,948	2,825
4	Farming	26,760	10,676
5	Irrigation	-	-
6	Oil & Gas	932	491
7	Lighting	144	296

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

		RCFPLP	RCFOPLP
8	Residential	46.8%	43.9%
9	Commercial	22.1%	21.8%
10	Industrial	5.5%	6.8%
11	Farming	24.6%	25.6%
12	Irrigation	0.0%	0.0%
13	Oil & Gas	0.9%	1.2%
14	Lighting	0.1%	0.7%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	69,154	65,785
16	Commercial	33,147	31,462
17	Industrial	8,773	8,295
18	Farming	37,435	35,374
19	Irrigation	0	0
20	Oil & Gas	1,423	1,327
21	Lighting	440	420
22	Total	150,372	142,662

Input Sheet

Applicable Month **Mar-09**

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

Off-Peak	Mar-09
Sum of Residential	18,299
Sum of Commercial	9,076
Sum of Industrial	2,825
Sum of Farming	10,676
Sum of Irrigation	-
Sum of Oil & Gas	491
Sum of Lighting	296

On-Peak	Mar-09
Sum of Residential	50,855
Sum of Commercial	24,071
Sum of Industrial	5,948
Sum of Farming	26,760
Sum of Irrigation	-
Sum of Oil & Gas	932
Sum of Lighting	144

LDMLFrc - Excluding Losses and UFE (MWh)

	Mar-09
Sum of Residential	65,785
Sum of Commercial	31,462
Sum of Industrial	8,295
Sum of Farming	35,374
Sum of Irrigation	-
Sum of Oil & Gas	1,327
Sum of Lighting	420

	MWh	%
Term Volumes (Includes UFE and Losses)	59,207	39.4%
45 Day Volumes (Includes UFE and Losses)	90,913	60.6%

	Mar-09
Term Peak Energy Costs	4,312,392
Term Off-Peak Energy Costs	552,831
45 Peak Energy Costs	6,356,405
45 Off-Peak Energy Costs	888,534
	12,110,163

Forecast Costs	Mar-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	32.5
Recovered Negotiation Costs for CC	143,375
NEC	61,050
Incentive Payments	50,000
Credit default Risk	1,381
Transaction Costs	2,631
Pool Trading Charges \$/MWh	0.257
RM	2.460
Peak Price index	91.63

Historical RAM

	RAM
Feb-08	(5,459.47)
Mar-08	5,338.02
Apr-08	(11,737.78)
May-08	447,203.60
Jun-08	252.84
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