



Monthly Energy Rate
Mar-10

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Mar-10 Rate (\$/MWh)	Mar-10 Rate (¢/kWh)
Residential	\$14.80	\$40.56	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.31	\$1.50	\$0.35	\$2.43	\$ 0.00	\$62.42	6.242
Commercial	\$14.74	\$40.39	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.31	\$1.50	\$0.35	\$2.43	\$ 0.00	\$62.19	6.219
Industrial	\$14.29	\$39.17	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.32	\$1.50	\$0.35	\$2.43	\$ 0.00	\$60.52	6.052
Farming (Includes REA)	\$14.68	\$40.23	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.32	\$1.50	\$0.35	\$2.43	\$ 0.00	\$61.97	6.197
Irrigation (Includes REA)	\$14.68	\$40.23	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.32	\$1.50	\$0.35	\$2.43	\$ 0.00	\$61.97	6.197
Oil & Gas	\$14.11	\$38.70	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.32	\$1.50	\$0.35	\$2.43	\$ 0.00	\$59.88	5.988
Lighting	\$10.14	\$27.93	\$1.68	\$0.24	\$0.53	\$0.00	\$0.02	\$0.31	\$1.50	\$0.35	\$2.43	\$ 0.00	\$45.13	4.513

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-10

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	1,856,069	252,734	5,077,743	701,903	-
2	Residential	\$	896,819	115,285	2,453,474	320,175	0
3	Commercial	\$	404,223	53,927	1,105,852	149,770	0
4	Industrial	\$	96,777	16,281	264,758	45,216	0
5	Farming	\$	440,573	62,708	1,205,299	174,155	0
6	Irrigation	\$	0	0	0	0	0
7	Oil & Gas	\$	15,408	2,882	42,154	8,005	0
8	Lighting	\$	2,269	1,650	6,206	4,583	0

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

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

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

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	14.80	40.56
11	Commercial	\$/MWh	14.74	40.39
12	Industrial	\$/MWh	14.29	39.17
13	Farming	\$/MWh	14.68	40.23
14	Irrigation	\$/MWh	14.68	40.23
15	Oil & Gas	\$/MWh	14.11	38.70
16	Lighting	\$/MWh	10.14	27.93

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

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

Schedule 3 - Hourly Load Shape Compensation, Risk Compensation, Return Margin and Incentive Payment
Mar-10

Line No	Description	Units	Mar-10
1	Peak Price Index	\$/MWh	54.97
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	1.677
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	1.501
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	1.582
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	82
6	Credit Default Risk Rate	\$/MWh	0.001
7	RAM Monthly Forecast Costs	\$	(11,750)
8	RAM Monthly Forecast Rate	\$/MWh	(0.082)
9	12 Months of Historical RAM		
10		Feb-09	150.00
11		Mar-09	598.24
12		Apr-09	231.60
13		May-09	7,183.81
14		Jun-09	3,871.78
15		Jul-09	678.64
16		Aug-09	125.42
17		Sep-09	(53,842.56)
18		Oct-09	(93,411.04)
19		Nov-09	1,013.29
20		Dec-09	2,533.52
		Jan-10	(10,133.99)
21	RM	\$/MWh	2.43
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.349

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

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

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

Schedule 4 - Transaction Costs and Pool Trading Charges by Rate Class
Mar-10

Line No	Description	Units	Mar-10
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	2,657
2	Residential	\$/MWh	0.018
3	Commercial	\$/MWh	0.019
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	0.298
11	Residential	\$/MWh	0.313
12	Commercial	\$/MWh	0.314
13	Industrial	\$/MWh	0.316
14	Farming	\$/MWh	0.316
15	Irrigation	\$/MWh	0.316
16	Oil & Gas	\$/MWh	0.318
17	Lighting	\$/MWh	0.314
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-10**

Line No	Description	Units	Mar-10
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	143,349
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)	\$	31,300,000
6	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&LOC Costs")</i>		1.000
7	PCG & LOC Costs Monthly for ISO	\$	26,083
8	PCG & LOC Costs for other Counterparties	\$	-
10	Total PCG & LOC (\$/MWh)	\$/MWh	0.24
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-10

Line No	Description	Units	Mar-10
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	191,902
3	Mid-Month Balance of Hearing/Negotiation Account	\$	72,790
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.58%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		520
6	Paid Option Premiums	\$	-
7	Option Premiums included in rates	\$	-
8	Carried Option Premiums	\$	-
9	Current Working Capital Rate (before tax)	%	8.58%
10	Monthly Carrying Costs (Option Premiums)		-
11	Total Monthly Carrying Costs <i>(line 5 + line 10)</i>		520
12	LDMLF		143,349
13	Carrying Cost (\$/MWh)		0.004

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data
Mar-10

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

Line No		On-Peak	Off-Peak
1	Residential	52,858	19,074
2	Commercial	23,824	8,922
3	Industrial	5,704	2,694
4	Farming	25,967	10,375
5	Irrigation	-	-
6	Oil & Gas	908	477
7	Lighting	134	273

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

		RCFPLP	RCFOPLP
8	Residential	48.3%	45.6%
9	Commercial	21.8%	21.3%
10	Industrial	5.2%	6.4%
11	Farming	23.7%	24.8%
12	Irrigation	0.0%	0.0%
13	Oil & Gas	0.8%	1.1%
14	Lighting	0.1%	0.7%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	71,931	68,379
16	Commercial	32,747	31,088
17	Industrial	8,398	7,913
18	Farming	36,342	34,287
19	Irrigation	0	0
20	Oil & Gas	1,385	1,296
21	Lighting	407	386
22	Total	151,209	143,349

Input Sheet

Applicable Month **Mar-10**

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

Off-Peak	Mar-10
Sum of Residential	19,074
Sum of Commercial	8,922
Sum of Industrial	2,694
Sum of Farming	10,375
Sum of Irrigation	-
Sum of Oil & Gas	477
Sum of Lighting	273

On-Peak	Mar-10
Sum of Residential	52,858
Sum of Commercial	23,824
Sum of Industrial	5,704
Sum of Farming	25,967
Sum of Irrigation	-
Sum of Oil & Gas	908
Sum of Lighting	134

LDMLFrc - Excluding Losses and UFE (MWh)

	Mar-10
Sum of Residential	68,379
Sum of Commercial	31,088
Sum of Industrial	7,913
Sum of Farming	34,287
Sum of Irrigation	-
Sum of Oil & Gas	1,296
Sum of Lighting	386

	MWh	%
Term Volumes (Includes UFE and Losses)	26,754	17.7%
45 Day Volumes (Includes UFE and Losses)	124,455	82.3%

	Mar-10
Term Peak Energy Costs	1,856,069
Term Off-Peak Energy Costs	252,734
45 Peak Energy Costs	5,077,743
45 Off-Peak Energy Costs	701,903
	7,888,449

Forecast Costs	Mar-10
NGX PCG & LOC Posted Amount	10,000,000
AESO PCG & LOC Posted Amount	31,300,000
LOC Annual Rate - NGX	0.600
PCG Annual Rate	0.400
LOC Annual Rate	0.600
Monthly Implementation Costs	10,000
Hearing/Negotiation Costs Monthly	4,412
Number of Months in Plan	43.5
Recovered Negotiation Costs for CC	191,902
NEC	61,050
Incentive Payments	50,000
Credit default Risk	82
Transaction Costs	2,657
Pool Trading Charges \$/MWh	0.298
RM	2.430
Peak Price index	54.97

Historical RAM

	RAM
Feb-09	150.00
Mar-09	598.24
Apr-09	231.60
May-09	7,183.81
Jun-09	3,871.78
Jul-09	678.64
Aug-09	125.42
Sep-09	(53,842.56)
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