



Monthly Energy Rate
Oct-08

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Oct-08 Rate (\$/MWh)	Oct-08 Rate (¢/kWh)
Residential	\$31.58	\$54.72	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$97.01	9.701
Commercial	\$31.47	\$54.54	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$96.72	9.672
Industrial	\$30.36	\$52.71	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$93.79	9.379
Farming (Includes REA)	\$31.36	\$54.37	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$96.45	9.645
Irrigation (Includes REA)	\$30.78	\$53.47	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$94.97	9.497
Oil & Gas	\$30.27	\$52.59	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$93.58	9.358
Lighting	\$22.95	\$40.39	\$3.48	\$0.17	\$0.57	\$0.00	\$0.02	\$0.15	\$3.45	\$0.38	\$2.48	\$ 0.01	\$74.05	7.405
	<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_{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
Oct-08

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	3,672,576	486,694	6,318,582	891,301	-
2	Residential	\$	1,776,340	222,430	3,056,152	407,344	0
3	Commercial	\$	824,349	107,168	1,418,274	196,261	0
4	Industrial	\$	211,720	34,952	364,259	64,009	0
5	Farming	\$	812,313	110,997	1,397,566	203,273	0
6	Irrigation	\$	1,210	213	2,081	390	0
7	Oil & Gas	\$	39,992	7,249	68,805	13,276	0
8	Lighting	\$	6,652	3,685	11,444	6,748	0

Term Volume Energy Cost_{rc} = [TPEC_{(Schedule 2 (line 1))} X RCFPLPrc_{(Schedule 7 (line 8:14))}] + [TOPEC_{(Schedule 2 (line 1))} X RCFOPLPrc_{(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 RCFOPLPrc_{(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	31.58	54.72
11	Commercial	\$/MWh	31.47	54.54
12	Industrial	\$/MWh	30.36	52.71
13	Farming	\$/MWh	31.36	54.37
14	Irrigation	\$/MWh	30.78	53.47
15	Oil & Gas	\$/MWh	30.27	52.59
16	Lighting	\$/MWh	22.95	40.39

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
Oct-08

Line No	Description	Units	Oct-08
1	Peak Price Index	\$/MWh	99.23
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	3.482
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	3.455
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	2.846
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	1,989
6	Credit Default Risk Rate	\$/MWh	0.015
7	RAM Monthly Forecast Costs	\$	78,750
8	RAM Monthly Forecast Rate	\$/MWh	0.594
9	12 Months of Historical RAM		
10		Sep-07	-
11		Oct-07	-
12		Nov-07	3.71
13		Dec-07	-
14		Jan-08	-
15		Feb-08	(5,459.47)
16		Mar-08	5,338.02
17		Apr-08	(11,737.78)
18		May-08	447,203.60
19		Jun-08	252.84
20		Jul-08	509,399.85
		Aug-08	-
21	RM	\$/MWh	2.48
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.377

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

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

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

Schedule 4 - Transaction Costs and Pool Trading Charges by Rate Class
Oct-08

Line No	Description	Units	Oct-08
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	2,481
2	Residential	\$/MWh	0.019
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	0.019
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	0.141
11	Residential	\$/MWh	0.148
12	Commercial	\$/MWh	0.149
13	Industrial	\$/MWh	0.149
14	Farming	\$/MWh	0.149
15	Irrigation	\$/MWh	0.153
16	Oil & Gas	\$/MWh	0.151
17	Lighting	\$/MWh	0.148
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
Oct-08**

Line No	Description	Units	Oct-08
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	132,522
2	PCG & LOC Posted Amount for NGX	\$	10,000,000
3	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&LOC Costs")</i>		0.775
4	PCG & LOC Costs Monthly for NGX	\$	6,458
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	0.57
17	Non-Energy Cost Adjustment		
18	Forecast Costs included in Previous quarter	\$	-
19	Actual Costs	\$	-
20	Recovered in past quarter		-
21	Non-Energy Costs Adjustment (under/(over recovery)) line 19-line 20	\$	-
22	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
Oct-08

Line No	Description	Units	Oct-08
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	121,317
3	Mid-Month Balance of Hearing/Negotiation Account	\$	143,375
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.03%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		959
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>		959
12	LDMLF		132,522
13	Carrying Cost (\$/MWh)		0.007

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data
Oct-08

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

Line No		On-Peak	Off-Peak
1	Residential	49,203	17,392
2	Commercial	22,834	8,379
3	Industrial	5,864	2,733
4	Farming	22,500	8,679
5	Irrigation	34	17
6	Oil & Gas	1,108	567
7	Lighting	184	288

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

		RCFPLP	RCFOPLP
8	Residential	48.4%	45.7%
9	Commercial	22.4%	22.0%
10	Industrial	5.8%	7.2%
11	Farming	22.1%	22.8%
12	Irrigation	0.0%	0.0%
13	Oil & Gas	1.1%	1.5%
14	Lighting	0.2%	0.8%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	66,595	63,294
16	Commercial	31,213	29,603
17	Industrial	8,597	8,124
18	Farming	31,179	29,442
19	Irrigation	50	46
20	Oil & Gas	1,675	1,561
21	Lighting	472	450
22	Total	139,781	132,522

Input Sheet

Applicable Month **Oct-08**

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

Off-Peak	Oct-08
Sum of Residential	17,392
Sum of Commercial	8,379
Sum of Industrial	2,733
Sum of Farming	8,679
Sum of Irrigation	17
Sum of Oil & Gas	567
Sum of Lighting	288

On-Peak	Oct-08
Sum of Residential	49,203
Sum of Commercial	22,834
Sum of Industrial	5,864
Sum of Farming	22,500
Sum of Irrigation	34
Sum of Oil & Gas	1,108
Sum of Lighting	184

LDMLFrc - Excluding Losses and UFE (MWh)

	Oct-08
Sum of Residential	63,294
Sum of Commercial	29,603
Sum of Industrial	8,124
Sum of Farming	29,442
Sum of Irrigation	46
Sum of Oil & Gas	1,561
Sum of Lighting	450

	MWh	%
Term Volumes (Includes UFE and Losses)	55,552	39.7%
45 Day Volumes (Includes UFE and Losses)	84,229	60.3%

	Oct-08
Term Peak Energy Costs	3,672,576
Term Off-Peak Energy Costs	486,694
45 Peak Energy Costs	6,318,582
45 Off-Peak Energy Costs	891,301
	<u>11,369,153</u>

Forecast Costs	Oct-08
NGX PCG & LOC Posted Amount	10,000,000
AESO PCG & LOC Posted Amount	25,500,000
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	27.5
Recovered Negotiation Costs for CC	121,317
NEC	61,050
Incentive Payments	50,000
Credit default Risk	1,989
Transaction Costs	2,481
Pool Trading Charges \$/MWh	0.141
RM	2.480
Peak Price index	99.23

Historical RAM

	RAM
Sep-07	-
Oct-07	-
Nov-07	3.71
Dec-07	-
Jan-08	-
Feb-08	(5,459.47)
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	-