



Monthly Energy Rate
Jul-09

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Jul-09 Rate (\$/MWh)	Jul-09 Rate (¢/kWh)
Residential	\$15.55	\$62.85	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$88.24	8.824
Commercial	\$15.85	\$63.98	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$89.67	8.967
Industrial	\$15.14	\$61.37	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$86.34	8.634
Farming (Includes REA)	\$15.75	\$63.64	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$89.23	8.923
Irrigation (Includes REA)	\$15.14	\$61.45	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.28	\$2.82	\$0.46	\$2.46	\$ 0.01	\$86.43	8.643
Oil & Gas	\$14.97	\$60.78	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$85.59	8.559
Lighting	\$7.44	\$32.86	\$2.88	\$0.23	\$0.69	\$0.00	\$0.03	\$0.27	\$2.82	\$0.46	\$2.46	\$ 0.01	\$50.13	5.013

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
Jul-09

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	1,530,608	181,801	6,086,609	833,699	-
2	Residential	\$	749,445	89,789	2,980,238	411,754	0
3	Commercial	\$	395,866	42,790	1,574,200	196,225	0
4	Industrial	\$	83,518	12,203	332,119	55,961	0
5	Farming	\$	279,774	32,362	1,112,549	148,406	0
6	Irrigation	\$	8,385	1,315	33,345	6,029	0
7	Oil & Gas	\$	13,152	2,104	52,298	9,651	0
8	Lighting	\$	468	1,237	1,859	5,673	0

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

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

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

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	15.55	62.85
11	Commercial	\$/MWh	15.85	63.98
12	Industrial	\$/MWh	15.14	61.37
13	Farming	\$/MWh	15.75	63.64
14	Irrigation	\$/MWh	15.14	61.45
15	Oil & Gas	\$/MWh	14.97	60.78
16	Lighting	\$/MWh	7.44	32.86

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

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

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

Line No	Description	Units	Jul-09
1	Peak Price Index	\$/MWh	87.88
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	2.876
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	2.822
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	2.420
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	615
6	Credit Default Risk Rate	\$/MWh	0.006
7	RAM Monthly Forecast Costs	\$	43,519
8	RAM Monthly Forecast Rate	\$/MWh	0.397
9	12 Months of Historical RAM		
10		Jun-08	252.84
11		Jul-08	509,399.85
12		Aug-08	-
13		Sep-08	50.15
14		Oct-08	-
15		Nov-08	4,063.37
16		Dec-08	-
17		Jan-09	-
18		Feb-09	150.00
19		Mar-09	598.24
20		Apr-09	231.60
		May-09	7,483.81
21	RM	\$/MWh	2.46
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.456

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

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

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

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

Line No	Description	Units	Jul-09
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	3,016
2	Residential	\$/MWh	0.027
3	Commercial	\$/MWh	0.027
4	Industrial	\$/MWh	0.028
5	Farming	\$/MWh	0.028
6	Irrigation	\$/MWh	0.028
7	Oil & Gas	\$/MWh	0.028
8	Lighting	\$/MWh	0.027
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	0.270
13	Industrial	\$/MWh	0.272
14	Farming	\$/MWh	0.272
15	Irrigation	\$/MWh	0.276
16	Oil & Gas	\$/MWh	0.274
17	Lighting	\$/MWh	0.270
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
Jul-09**

Line No	Description	Units	Jul-09
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	109,663
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	0.23
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	0.69
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
Jul-09

Line No	Description	Units	Jul-09
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	161,021
3	Mid-Month Balance of Hearing/Negotiation Account	\$	103,671
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.58%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		741
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>		741
12	LDMLF		109,663
13	Carrying Cost (\$/MWh)		0.007

Note: Working Capital rate includes tax

**Schedule 7 - Monthly Forecast Load Data
Jul-09**

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

<u>Line No</u>		On-Peak	Off-Peak
1	Residential	41,019	15,593
2	Commercial	21,667	7,431
3	Industrial	4,571	2,119
4	Farming	15,313	5,620
5	Irrigation	459	228
6	Oil & Gas	720	365
7	Lighting	26	215

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

		RCFPLP	RCFOPLP
8	Residential	49.0%	49.4%
9	Commercial	25.9%	23.5%
10	Industrial	5.5%	6.7%
11	Farming	18.3%	17.8%
12	Irrigation	0.5%	0.7%
13	Oil & Gas	0.9%	1.2%
14	Lighting	0.0%	0.7%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	56,612	53,967
16	Commercial	29,098	27,670
17	Industrial	6,690	6,324
18	Farming	20,933	19,813
19	Irrigation	687	641
20	Oil & Gas	1,085	1,019
21	Lighting	240	229
22	Total	115,347	109,663

Input Sheet

Applicable Month **Jul-09**

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

Off-Peak	Jul-09
Sum of Residential	15,593
Sum of Commercial	7,431
Sum of Industrial	2,119
Sum of Farming	5,620
Sum of Irrigation	228
Sum of Oil & Gas	365
Sum of Lighting	215

On-Peak	Jul-09
Sum of Residential	41,019
Sum of Commercial	21,667
Sum of Industrial	4,571
Sum of Farming	15,313
Sum of Irrigation	459
Sum of Oil & Gas	720
Sum of Lighting	26

LDMLFrc - Excluding Losses and UFE (MWh)

	Jul-09
Sum of Residential	53,967
Sum of Commercial	27,670
Sum of Industrial	6,324
Sum of Farming	19,813
Sum of Irrigation	641
Sum of Oil & Gas	1,019
Sum of Lighting	229

	MWh	%
Term Volumes (Includes UFE and Losses)	21,576	18.7%
45 Day Volumes (Includes UFE and Losses)	93,771	81.3%

	Jul-09
Term Peak Energy Costs	1,530,608
Term Off-Peak Energy Costs	181,801
45 Peak Energy Costs	6,086,609
45 Off-Peak Energy Costs	833,699
	8,632,717

Forecast Costs	Jul-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	36.5
Recovered Negotiation Costs for CC	161,021
NEC	61,050
Incentive Payments	50,000
Credit default Risk	615
Transaction Costs	3,016
Pool Trading Charges \$/MWh	0.257
RM	2.460
Peak Price index	87.88

Historical RAM

	RAM
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
Apr-09	231.60
May-09	7,483.81