



Monthly Energy Rate
Nov-09

Rate Class	TEC	45EC	HLSC	PCG & LOC	NEC	NEC Adj	TC	PTC	RComp	IP	RM	CC	Nov-09 Rate (\$/MWh)	Nov-09 Rate (¢/kWh)
Residential	\$14.50	\$48.06	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$69.67	6.967
Commercial	\$14.31	\$47.42	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$68.84	6.884
Industrial	\$13.86	\$45.93	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$66.91	6.691
Farming (Includes REA)	\$14.27	\$47.29	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$68.68	6.868
Irrigation (Includes REA)	\$14.27	\$47.29	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$68.68	6.868
Oil & Gas	\$13.74	\$45.53	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$66.39	6.639
Lighting	\$11.38	\$37.68	\$1.72	\$0.16	\$0.54	(\$0.01)	\$0.02	\$0.27	\$1.59	\$0.36	\$2.46	\$ 0.00	\$56.18	5.618

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
Nov-09

Line No	Description	Units	TPEC	TOPEC	45PEC	45OPEC	OC
1	Monthly Total Energy Cost	\$	1,764,545	229,303	5,853,026	755,398	-
2	Residential	\$	875,171	104,132	2,902,956	343,044	0
3	Commercial	\$	380,839	50,268	1,263,251	165,600	0
4	Industrial	\$	85,861	14,333	284,802	47,218	0
5	Farming	\$	403,375	56,192	1,338,000	185,114	0
6	Irrigation	\$	0	0	0	0	0
7	Oil & Gas	\$	15,443	2,815	51,225	9,275	0
8	Lighting	\$	3,857	1,562	12,792	5,147	0

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

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

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

9	Monthly Total Energy Charge		TEC	45EC
10	Residential	\$/MWh	14.50	48.06
11	Commercial	\$/MWh	14.31	47.42
12	Industrial	\$/MWh	13.86	45.93
13	Farming	\$/MWh	14.27	47.29
14	Irrigation	\$/MWh	14.27	47.29
15	Oil & Gas	\$/MWh	13.74	45.53
16	Lighting	\$/MWh	11.38	37.68

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

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

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

Line No	Description	Units	Nov-09
1	Peak Price Index	\$/MWh	65.82
2	HLSC (reference: Terms of Settlement 1(h))	\$/MWh	1.722
3	Rcomp (reference: Schedule E "Rcomp")	\$/MWh	1.594
4	Risk Compensation (reference: Terms of Settlement 1(h))	\$/MWh	1.614
5	Total Credit Default Risk (calculated with actual trades and Schedule J)	\$	277
6	Credit Default Risk Rate	\$/MWh	0.002
7	RAM Monthly Forecast Costs	\$	(3,053)
8	RAM Monthly Forecast Rate	\$/MWh	(0.022)
9	12 Months of Historical RAM		
10		Oct-08	-
11		Nov-08	4,063.37
12		Dec-08	-
13		Jan-09	-
14		Feb-09	150.00
15		Mar-09	598.24
16		Apr-09	231.60
17		May-09	7,483.81
18		Jun-09	3,871.78
19		Jul-09	678.64
20		Aug-09	125.42
		Sep-09	(53,842.56)
21	RM	\$/MWh	2.46
22	IP	\$	50,000
23	IP Rate (reference: Terms of Settlement 1(k))	\$/MWh	0.360

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

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

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

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

<u>Line No</u>	<u>Description</u>	<u>Units</u>	<u>Nov-09</u>
1	Transaction Costs (reference: Schedule A "Transaction Costs")	(\$)	2,512
2	Residential	\$/MWh	0.018
3	Commercial	\$/MWh	0.018
4	Industrial	\$/MWh	0.018
5	Farming	\$/MWh	0.018
6	Irrigation	\$/MWh	0.018
7	Oil & Gas	\$/MWh	0.018
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	0.271
12	Commercial	\$/MWh	0.271
13	Industrial	\$/MWh	0.273
14	Farming	\$/MWh	0.273
15	Irrigation	\$/MWh	0.273
16	Oil & Gas	\$/MWh	0.275
17	Lighting	\$/MWh	0.271
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
Nov-09**

Line No	Description	Units	Nov-09
1	LDMLF <i>(Schedule 7 (line 22))</i>	MWh	138,916
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)	\$	16,000,000
6	PCG & LOC Annual Rate <i>(reference: Schedule A "PCG&LOC Costs")</i>		1.000
7	PCG & LOC Costs Monthly for ISO	\$	13,333
8	PCG & LOC Costs for other Counterparties	\$	-
10	Total PCG & LOC (\$/MWh)	\$/MWh	0.16
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	0.54
17	Non-Energy Cost Adjustment		
18	Recovered in past quarter	\$	30,105
19	Actual Costs	\$	28,025
20	Non-Energy Costs Adjustment (under/(over recovery)) line 19-line 20	\$	(2,080)
21	Non-Energy Cost Adjustment (\$/MWh)	\$/MWh	(0.01)

*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
Nov-09

Line No	Description	Units	Nov-09
1	Paid Hearing/Negotiation costs	\$	264,692
2	Recovered through Rates	\$	174,256
3	Mid-Month Balance of Hearing/Negotiation Account	\$	90,437
4	Current Working Capital Rate (before Tax) <i>(reference: Schedule A "Carrying Costs")</i>	%	8.58%
5	Monthly Carrying Costs (Hearing/Negotiation Cots)		647
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>		647
12	LDMLF		138,916
13	Carrying Cost (\$/MWh)		0.005

Note: Working Capital rate includes tax

Schedule 7 - Monthly Forecast Load Data
Nov-09

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

Line No		On-Peak	Off-Peak
1	Residential	53,327	17,765
2	Commercial	23,206	8,576
3	Industrial	5,232	2,445
4	Farming	24,579	9,587
5	Irrigation	-	-
6	Oil & Gas	941	480
7	Lighting	235	267

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

		RCFPLP	RCFOPLP
8	Residential	49.6%	45.4%
9	Commercial	21.6%	21.9%
10	Industrial	4.9%	6.3%
11	Farming	22.9%	24.5%
12	Irrigation	0.0%	0.0%
13	Oil & Gas	0.9%	1.2%
14	Lighting	0.2%	0.7%

Total Load forecast and Metered Load Forecast (MWh)

		LFTLF	LDMLF
15	Residential	71,093	67,544
16	Commercial	31,782	30,134
17	Industrial	7,677	7,228
18	Farming	34,166	32,205
19	Irrigation	0	0
20	Oil & Gas	1,421	1,329
21	Lighting	502	476
22	Total	146,640	138,916

Input Sheet

Applicable Month **Nov-09**

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

Off-Peak	Nov-09
Sum of Residential	17,765
Sum of Commercial	8,576
Sum of Industrial	2,445
Sum of Farming	9,587
Sum of Irrigation	-
Sum of Oil & Gas	480
Sum of Lighting	267

On-Peak	Nov-09
Sum of Residential	53,327
Sum of Commercial	23,206
Sum of Industrial	5,232
Sum of Farming	24,579
Sum of Irrigation	-
Sum of Oil & Gas	941
Sum of Lighting	235

LDMLFrc - Excluding Losses and UFE (MWh)

	Nov-09
Sum of Residential	67,544
Sum of Commercial	30,134
Sum of Industrial	7,228
Sum of Farming	32,205
Sum of Irrigation	-
Sum of Oil & Gas	1,329
Sum of Lighting	476

	MWh	%
Term Volumes (Includes UFE and Losses)	27,392	18.7%
45 Day Volumes (Includes UFE and Losses)	119,411	81.3%

	Nov-09
Term Peak Energy Costs	1,764,545
Term Off-Peak Energy Costs	229,303
45 Peak Energy Costs	5,853,026
45 Off-Peak Energy Costs	755,398
	<u>8,602,273</u>

Forecast Costs	Nov-09
NGX PCG & LOC Posted Amount	10,000,000
AESO PCG & LOC Posted Amount	16,000,000
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	39.5
Recovered Negotiation Costs for CC	174,256
NEC	61,050
Incentive Payments	50,000
Credit default Risk	277
Transaction Costs	2,512
Pool Trading Charges \$/MWh	0.257
RM	2.460
Peak Price index	65.82

Historical RAM

	RAM
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
Jun-09	3,871.78
Jul-09	678.64
Aug-09	125.42
Sep-09	(53,842.56)