

UpLoad Trades

Delete Records

Heavy Load

Trade Date	Transmission/ Physical	Integ. Month	Point of Integration	Integration Region	Delv. Month	Point of Delivery	Delivery Region	HL/LL	Quantity (MW)	Counterparty	\$/Mw-Month	Fixed Price \$/MWh	Actual Losses	Est. Losses	Total Losses	Actual Variable Costs
COPY AND INSERT	T							HL			\$ -	#N/A	0.00%	0.00%	0.00%	0.00
	Hydro Model	Oct-04	MC	N	Aug-04	MC	N	HL	129,468.49		\$ -	0.000	12.00%	0.00%	12.00%	0.00
	Hydro Model	Oct-04	MC	N	Sep-04	MC	N	HL	180,626.00		\$ -	0.000	6.00%	0.00%	6.00%	0.00
	Hydro Model	Aug-04	MC	N	Oct-04	MC	N	HL	129,468.49		\$ -	0.000	-12.00%	0.00%	-12.00%	0.00
	Hydro Model	Sep-04	MC	N	Oct-04	MC	N	HL	180,626.00		\$ -	0.000	-6.00%	0.00%	-6.00%	0.00
	Hydro Model	Aug-04	MC	N	Sep-04	MC	N	HL	129,468.49		\$ -	0.000	-6.00%	0.00%	-6.00%	0.00
	Hydro Model	Sep-04	MC	N	Aug-04	MC	N	HL	180,626.00		\$ -	0.000	6.00%	0.00%	6.00%	0.00

Light Load

Trade Date	Transmission/ Physical	Integ. Month	Point of Integration	Integration Region	Delv. Month	Point of Delivery	Delivery Region	HL/LL	Quantity (MW)	Counterparty	\$/Mw-Month	Fixed Price \$/MWh	Actual Losses	Est. Losses	Total Losses	Actual Variable Costs
COPY AND INSERT	T							LL			\$ -	#N/A	0.00%	0.00%	0.00%	0.00
	Hydro Model		MC	N		MC	N	LL			\$ -	0.000	0.00%	20.00%	20.00%	0.00

Trans-Nonsys

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Estimated Variable Costs	Total Variable Costs	Comments	x	Transaction Tot\$\$\$	Transaction Dollars	Basis Position Delta MW/Mth	Position Gamma Change/\$	Value per mwh	MTM	Volume Mwh	abs	Underlying Point of Integration	Underlying Point of Delivery	Time (% of Year)	Volatility Integratio n	Volatilit y Receipt	Correlatio n
0.00	#N/A			#N/A	#N/A	#VALUE!	#VALUE!	#VALUE!	#N/A	#N/A	#N/A	#N/A	#N/A	#NUM!	#N/A	#N/A	#N/A
0.00	6.04			\$ -	\$ -	5879.33	0.00	\$ 1.87	\$ 242,150	129,468	129,468	\$ 50.37	\$ 56.85	21.23%	40%	40%	92.00%
0.00	3.02			\$ -	\$ -	8421.66	0.00	\$ 2.85	\$ 513,921	180,626	180,626	\$ 50.37	\$ 55.50	21.23%	40%	40%	92.00%
0.00	-6.82			\$ -	\$ -	-3715.04	27.18	\$ 0.95	\$ 122,641	129,468	129,468	\$ 56.85	\$ 50.37	4.52%	40%	40%	92.00%
0.00	-3.33			\$ -	\$ -	-726.23	0.00	\$ 0.53	\$ 96,146	180,626	180,626	\$ 55.50	\$ 50.37	12.88%	40%	40%	92.00%
0.00	-3.41			\$ -	\$ -	-823.83	0.00	\$ 2.20	\$ 284,800	129,468	129,468	\$ 56.85	\$ 55.50	4.52%	40%	40%	92.00%
0.00	3.33			\$ -	\$ -	2486.47	0.00	\$ 0.55	\$ 99,045	180,626	180,626	\$ 55.50	\$ 56.85	12.88%	40%	40%	92.00%

Estimated Variable Costs	Total Variable Costs	Comments	x	Transaction Tot\$\$\$	Transaction Dollars	Basis Position Delta MW/Mth	Position Gamma Change/\$	Value per mwh	MTM	Volume Mwh	abs	Underlying Point of Integration	Underlying Point of Delivery	Time (% of Year)	Volatility Integratio n	Volatilit y Receipt	Correlatio n
0.00	#N/A			#N/A	#N/A	#VALUE!	#VALUE!	#VALUE!	#N/A	#N/A	#N/A	#N/A	#N/A	#NUM!	#N/A	#N/A	90.00%
0.00	#N/A			#N/A	#N/A	#VALUE!	#VALUE!	#VALUE!	#N/A	#N/A	#N/A	#N/A	#N/A	#NUM!	#N/A	#N/A	82.00%

Trans-Nonsys

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Change/\$ Change/\$ (\$/1%) (\$/1%) (\$/Day) Integration Delivery

Interest	Integration Delta	Delivery Delta	DeltaIntMW	DeltaDelMW	DeltaIntMWh	DeltaDelMWh	NWDELTA	SWDELTA	NWGAMMA	SWGAMMA	NWVEGA	SWVEGA	Theta	Rho	CodeMAPP1	CodeMAPP2	Code1	Code	INTDELTA
#N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0	0	0.00	0.00	#N/A	#N/A	#VALUE!	#VALUE!	0	0	#N/A	#N/A	#VALUE!
3.00%	-0.50	0.52547	(64,269)	68,032	(64,269)	68,032	3763	0	0.02	0.00	5345.66271	0	-1359.623	824.32675	0	0	2	2	-64269
3.00%	-0.69	0.71678	(124,953)	129,468	(124,953)	129,468	4515	0	0.01	0.00	6136.80471	0	-1541.451	801.9232	0	0	2	2	-124953
3.00%	-0.58	0.58796	(74,453)	76,123	(74,453)	76,123	1670	0	0.39	0.00	2423.63658	0	-2927.661	-235.50592	0	0	2	2	-74453
3.00%	-0.27	0.29101	(49,090)	52,564	(49,090)	52,564	3473	0	0.22	0.00	4687.81545	0	-1986.913	-222.80846	0	0	2	2	-49090
3.00%	-0.85	0.85574	(109,788)	110,791	(109,788)	110,791	1003	0	0.23	0.00	1437.68477	0	-1719.24	-170.58624	0	0	2	2	-109788
3.00%	-0.30	0.31880	(53,950)	57,583	(53,950)	57,583	3633	0	0.13	0.00	5220.22971	0	-2213.234	232.17945	0	0	2	2	-53950

int del

Int	Integration Delta	Delivery Delta	DeltaIntMW	DeltaDelMW	DeltaIntMWh	DeltaDelMWh	NWDELTA	SWDELTA	NWGAMMA	SWGAMMA	NWVEGA	SWVEGA	Theta	Rho	CodeMAPP1	CodeMAPP2	Code	Code	INTDELTA
#N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0	0	0.00	0.00	#N/A	#N/A	#VALUE!	#VALUE!	0	0	#N/A	#N/A	#VALUE!
#N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	0.00	#VALUE!	#N/A	#VALUE!	#VALUE!	0	0	2	2	#VALUE!

DELDELTA	NWDeltaVAR	SWDeltaVAR	Ndelta	Sdelta	Nxj	Sxj	Hours	Hours	Trans. Corr. Flow
#VALUE!	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	S - N 100%
68032	3763	0	#####	0	#####	0	745	745	N - N 100.00%
129468	4515	0	#####	0	#####	0	745	745	N - N 100.00%
76123	1670	0	#####	0	#####	0	744	744	N - N 100.00%
52564	3473	0	#####	0	#####	0	720	720	N - N 100.00%
110791	1003	0	#####	0	#####	0	744	744	N - N 100.00%
57583	3633	0	#####	0	#####	0	720	720	N - N 100.00%

DELDELTA	NWDeltaVAR	SWDeltaVAR	Ndelta	Sdelta	Nxj	Sxj	Hours	Hours	Trans. Corr. Flow
#VALUE!	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	S - N 100.00%
#VALUE!	#VALUE!	0	#####	#N/A	#####	#N/A	#N/A	#N/A	N - N 100.00%

MidC HL	Aug-04	Sep-04	Oct-04	Aug Delta	Sep Delta	Aug Alloc	Sep Alloc	Oct Alloc	45,413	68,196
07/01/04	55.50	55.00	51.78	0.15536	0.335798	0.187279	0.40479	0.40793	33838.57399	73139.51573
07/02/04	54.35	54.25	51.54	0.124946	0.344645	0.150126	0.414101	0.435773	27125.59188	74821.8035
07/06/04	55.50	55.00	52.01	0.148252	0.338362	0.176657	0.403191	0.420153	31919.23431	72850.49034
07/07/04	55.50	54.50	52.01	0.161673	0.321509	0.190109	0.378058	0.431833	34349.76104	68309.49129
07/08/04	54.50	53.00	51.06	0.162628	0.276704	0.197877	0.336678	0.465445	35753.34487	60832.73168
07/09/04	53.85	52.50	51.30	0.131564	0.274474	0.16166	0.337262	0.501077	29209.59477	60938.24591
07/12/04	53.50	52.50	50.83	0.137707	0.286031	0.168546	0.350088	0.481365	30453.7883	63255.70915
07/13/04	54.25	53.50	51.06	0.151835	0.334365	0.176524	0.388736	0.43474	31895.30732	70238.7421
07/14/04	56.75	55.75	52.39	0.162363	0.335509	0.19641	0.405864	0.397726	35488.28695	73333.52976
07/15/04	57.50	55.75	52.01	0.201328	0.318603	0.249171	0.394316	0.356514	45021.41516	71246.91146
07/16/04	58.00	56.75	52.25	0.21	0.37	0.245607	0.432435	0.321958	44377.46724	78134.5467
07/19/04	58.75	57.25	52.01	0.21	0.37	0.263461	0.461455	0.275083	47603.47346	83378.08461
07/20/04	58.50	57.00	52.01	0.21	0.37	0.259391	0.454423	0.286186	46868.07614	82107.41941
07/21/04	60.00	55.25	52.49	0.33	0.22	0.41322	0.270075	0.316705	74662.68505	48798.47604
07/22/04	60.25	57.75	53.20	0.23	0.33	0.291613	0.420148	0.288239	52690.10827	75914.35124
07/23/04	59.25	57.25	52.96	0.21	0.34	0.258744	0.416211	0.325044	46751.21545	75203.13159
07/26/04	57.50	54.50	51.54	0.26	0.28	0.306955	0.333118	0.359927	55462.10806	60189.44918
07/27/04	57.00	54.75	51.54	0.20	0.31	0.242261	0.372449	0.385291	43772.91355	67295.86491
07/28/04	55.50	55.00	51.78	0.121368	0.360603	0.143383	0.426011	0.430606	25907.10089	76973.87276
07/29/04	55.35	54.75	49.99	0.168653	0.407111	0.199941	0.482636	0.317422	36126.39562	87205.13023
07/30/04	56.85	55.50	50.37	0.211067	0.393129	0.256168	0.477133	0.266698	46285.73971	86210.85407
Average	56.58	55.12	51.72							

August	September	October
11,574.04	4,943.25	6,630.56
6,712.98	1,682.29	5,030.69
4,793.64	1,971.31	2,822.33
2,430.53	4,541.00	2,110.47
1,403.58	7,476.76	6,073.18
6,543.75	105.51	6,438.24
1,244.19	2,317.46	3,561.66
1,441.52	6,983.03	8,424.55
3,592.98	3,094.79	6,687.77
9,533.13	2,086.62	7,446.51
643.95	6,887.64	6,243.69
3,226.01	5,243.54	8,469.54
735.40	1,270.67	2,006.06
27,794.61	33,308.94	5,514.33
21,972.58	27,115.88	5,143.30
5,938.89	711.22	6,650.11
8,710.89	15,013.68	6,302.79
11,689.19	7,106.42	4,582.78
17,865.81	9,678.01	8,187.80
10,219.29	10,231.26	20,450.55
10,159.34	994.28	9,165.07

168,226.31	152,763.54	137,941.98
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