

Congestion Impact Posting

NYISO ESPWG
December 1, 2004

11/29/04

Jim Mitsche



Congestion Reporting Posting

Total and Zonal Congestion Metrics

		Annual Totals	Monthly Totals	Daily Totals
1	4 Metrics Mitigated Bids NYCA	x	x	x
2	4 Metrics Mitigated Bids Zonal	x	x	x
3	4 Metrics Unmitigated Bids NYCA	x		
4	4 Metrics Unmitigated Bids Zonal	x		
5	Constrained Quantities	x		
6	Unconstrained Quantities	x		

Congestion Payments By Constraint

		Annual Totals	Monthly Totals	Daily Totals
A	Monitored Element Totals	x	x	
B	Monitored Element /Contingency Pair			x



Example: 4 Metrics

(Annual, Monthly, Daily Posted Monthly)

Zone	BPC	Cong_Pay	TCC	Cong_Unh	Sup_Pay	Dem_Pay	Sch1	Shortfall	Demand	Unhedged
WEST	-\$14,030	\$968	\$11,708	-\$10,740	-\$329,639	-\$208,523				
GENESE	-\$32,009	\$43	\$1,614	-\$1,571	-\$87,617	-\$189,107				
CENTRL	-\$537,859	\$41	\$7,795	-\$7,754	-\$839,090	-\$150,654				
NORTH	\$0	-\$18	\$3,605	-\$3,622	-\$111,224	-\$42,726				
MHKVL	\$0	\$8	\$4,344	-\$4,336	-\$20,742	-\$71,468				
CAPITL	-\$291,622	\$45	-\$2,412	\$2,457	-\$371,046	-\$148,882				
HUDVL	-\$9,246	\$25	-\$13,424	\$13,449	-\$246,922	-\$102,907				
MILLWD	\$0	\$15,993	\$7,712	\$8,281	-\$139,288	-\$43,376				
DUNWOD	\$0	\$23,994	-\$14,765	\$38,759	-\$4,085	-\$79,740				
N.Y.C.	\$802,579	\$1,246,867	\$876,822	\$370,044	\$817,454	\$566,211				
LONGIL	\$521,238	\$965,562	\$325,512	\$640,049	\$731,078	\$633,645				
NPX	-\$46,983	-\$408	\$544	-\$952	-\$40,263	\$3,511				
OH	-\$175	\$0	-\$1,382	\$1,382	-\$26,534	\$0				
PJM	-\$147,309	-\$910	-\$3,965	\$3,055	-\$217,194	-\$11,995				
HQ	-\$48,173	\$0	\$1,266	-\$1,266	-\$104,762	\$0				
NYCA	\$196,412	\$2,252,209	\$1,204,975	\$1,047,235	-\$989,872	\$153,988	\$73,139	-\$8,586		-\$986,433

- 1 Compiled Daily File per Month
- 1 Monthly File per Month
- 1 Annual File per Year



Example: 4 Metrics Unmitigated (Annual Only)

- Same Format as Mitigated Basis Metrics
- Annual Only
- 1 File per Year



Example: Components (Annual Totals)

2 Files per Year

- Constrained

Zone	Dem_MWHR	Supp_MWHR	BPC	BPCG	Dem_Energy\$	Dem_Congest\$	Dem_Losses\$	Sup_Energy\$	Sup_Congest\$	Sup_Losses\$	AS_rev	TCC
WEST	58574	94476	2291904	0	2786807.8	968	-168021.3	4658458.9	307.6	-326956.4	45815.9	11707.7
GENESE	47203	17793	-10524972.1	0	2219583.7	42.9	-23950.4	848980.7	11.9	-37169.8	5144.8	1614.1
CENTRL	41135	92131	-1310392.6	0	1974531.4	41.2	-35182.1	4329726.8	46.8	-119842.7	40.1	7794.9
NORTH	14427	37622	82765.4	0	683377.9	-17.9	-30941.4	1773748.7	-43.4	-85154.5	0	3604.5
MHKVL	19761	5914	15894.9	0	945727.2	8.4	11506.7	294835.9	0.5	-912.5	0	4344.2
CAPITL	41613	14128	116187.5	98269.7	1950173	44.9	120757.4	757821.2	8	39190.9	2327.9	-2411.6
HUDVL	28248	75182	2042515.2	18795.4	1383633	24.5	93687.6	3629442.8	69.8	242480	10141.4	-13424.4
MILLWD	13415	50906	382959	0	666333.5	15993.2	52570.7	2380572.7	34115.3	182303.2	0	7712.2
DUNWOD	27733	1525	-658090.1	0	1344286.4	23994.3	127272.7	68983.2	941.2	6326.7	0	-14764.9
N.Y.C.	184442	65150	4103380.6	505204.2	8897696	1246866.5	966398.5	3267209.1	442143.4	347430.3	6607.3	876822.1
LONGIL	76958	53618	2836881.1	48135.9	3776007.4	965561.6	402510.6	2680854.5	571120.1	258273.7	45143.6	325512.2
NPX	3834	425	140286.3	0	90772.1	-396	6057.4	22323	-0.5	1474.7	0	-40.1
OH	1160	12954	193610.9	0	0	0	0	464856.6	-12765.3	-42308.9	0	0
PJM	3312	22654	910166.5	0	164474.5	-862.9	-1923.6	942842.1	-8033.3	-41659.1	0	-206.2
HQ	0	14550	583728	0	0	0	0	769464.8	3908.9	-22125.4	0	148.9

- Unconstrained

Zone	Dem_MWHR	Supp_MWHR	BPC	BPCG	Dem_Energy\$	Dem_Congest\$	Dem_Losses\$	Sup_Energy\$	Sup_Congest\$	Sup_Losses\$	AS_rev	TCC
WEST	58574	94745.4	2305933.6	0	2976435.2	0	-148157.4	4997123.1	0	-341839.1	51980.7	0
GENESE	47203	18326.4	-10492963.2	62.6	2366291.2	0	18492	937394	0	-38216.5	5344.1	0
CENTRL	41135	101762.1	-772533.3	0	2107775	0	-17730.5	5181085.8	0	-132054.3	29.3	0
NORTH	14427	37622	82765.4	0	729247.3	0	-34102.9	1891551.9	0	-91777.1	0	0
MHKVL	19761	5914	15894.9	0	1009314.5	0	19395.6	314877.4	0	-211.1	0	0
CAPITL	41613	19242	407809.7	101817.7	2077759	0	142098.7	1105215.8	0	60064.7	1565.5	0
HUDVL	28248	75422.1	2051761.5	0	1476633.3	0	103619	3876477.2	0	263976.8	7397.2	0
MILLWD	13415	50906	382959	0	709533.5	0	68739.5	2539415.6	0	196863.1	0	0
DUNWOD	27733	1525	-658090.1	0	1433773.1	0	141520.2	73318.6	0	7017.7	0	0
N.Y.C.	184442	53655.27	3300801.6	627954.3	9491484.9	0	1053265.1	2819571.3	0	298897.7	4717.1	0
LONGIL	76958	45908.11	2315643.2	120206.2	4032917.5	0	477517.5	2471645.9	0	235326.4	45270.9	0
NPX	3481	1037.03	187269.1	0	87056.9	12.2	5853.9	59518.3	596.5	3945.6	0	0
OH	1160	12961	193785.9	0	0	0	0	481523.9	-1381.5	-43825.8	0	0
PJM	3312	26386.31	1057475.3	0	175652.5	47.4	-2016.8	1167468.2	-3711.4	-53413.6	0	0
HQ	0	15388.22	631900.5	0	0	0	0	880187.4	1117	-25294.4	0	0



Example: By Constraint Congestion Payments

- Monitored Element Total (Annual and Monthly)

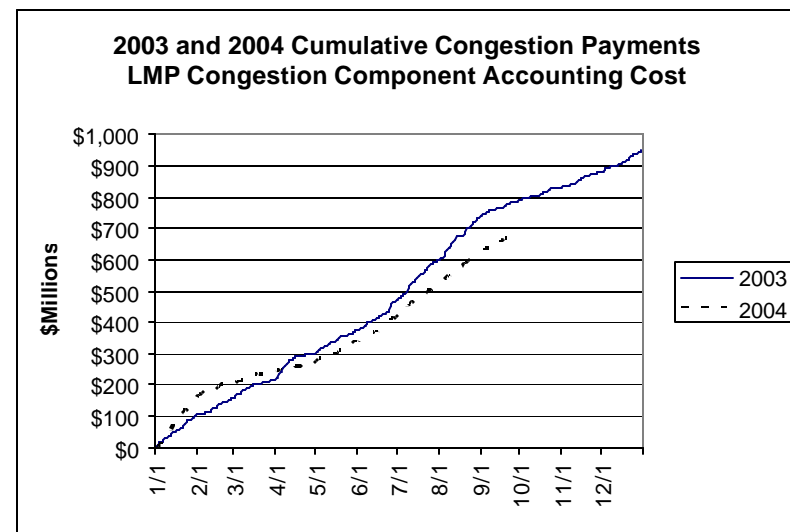
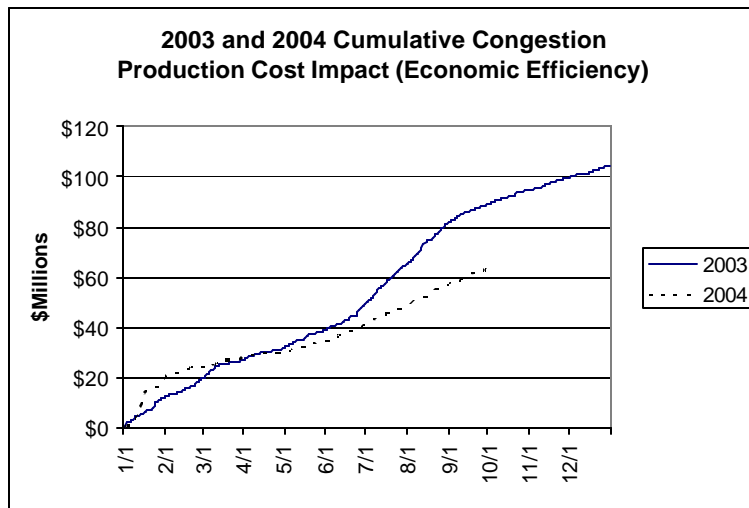
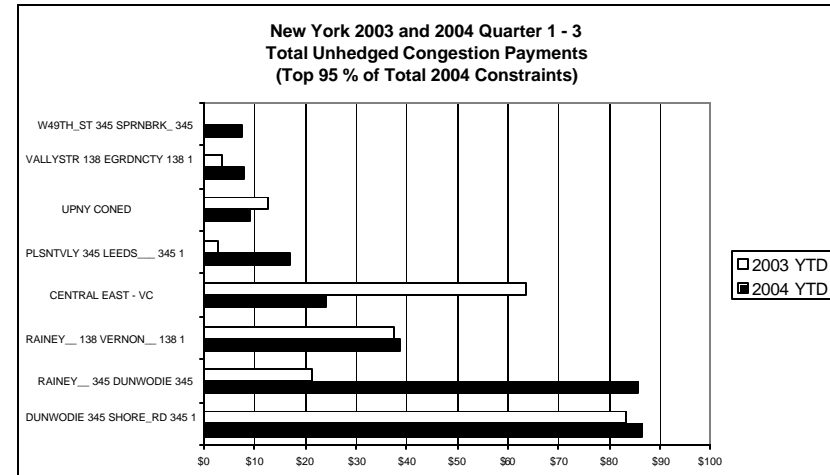
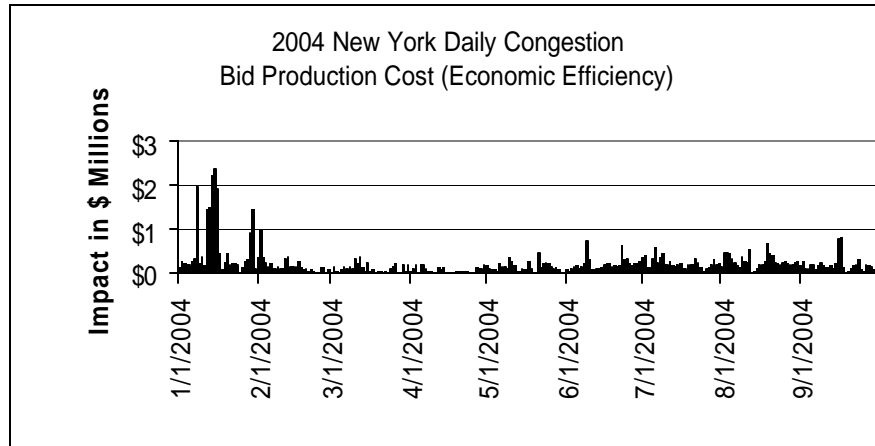
Monitored Facility	Total \$	TCC\$	Unhedged \$
DUNWODIE 345 SHORE_RD 345 1	\$26,410,837	\$8,555,440	\$17,855,398
CENTRAL EAST - VC	\$11,341,545	\$3,026,708	\$8,314,837
UPNY CONED	\$8,151,397	\$2,416,560	\$5,734,838
RAINEY__ 345 DUNWOD71 345 1	\$18,054,149	\$12,907,714	\$5,146,435
RAINEY__ 138 VERNON__ 138 1	\$17,324,101	\$12,600,588	\$4,723,514
VALLYSTR 138 EGRDNCTY 138 1	\$3,254,905	\$989,765	\$2,265,140
PLSNTVLY 345 LEEDS__ 345 1	\$2,885,842	\$793,547	\$2,092,296
W49TH_ST 345 SPRNBRK_ 345 2	\$4,015,017	\$2,399,661	\$1,615,356
VERNON__ 138 KENTAVE_ 138 1	\$5,375,022	\$4,643,553	\$731,469
35 total for July 2004			

- Monitored Element/Contingency Pair (Daily, Posted Monthly)

	Monitored Facility	Contingency	Demand\$	Supply\$	TCC\$
Monday, July 19, 2004	ADIRNDCK 230 MOSES 230 1	SIN:GRJ MSU1: HQ GEN & DC	-\$19	-\$53	\$28
Monday, July 19, 2004	BARRETT 138 VALLYSTR 138	BUS: VALLYST 292 262	-\$5,293	-\$4,658	-\$1,514
Monday, July 19, 2004	DUNWODIE 345 SHORE_RD 345 1	SPRNBR49345 EGRDNCTY345CY49	\$939,783	\$648,023	\$316,877
Monday, July 19, 2004	E179TH_W 138 HELLTP_W 138 1	Base Case	-\$14,413	-\$8,620	-\$10,648
Monday, July 19, 2004	E179THST 138 HELLGT_E 138 1	Base Case	\$2,119	\$270	\$1,995
Monday, July 19, 2004	ELWOOD_W 138 GREENLWN 138 1	NRTHPORT138WELWOOD E138 681	-\$50,193	-\$95,329	-\$13,720
Monday, July 19, 2004	FRESHKLS 138 WILLWBRK 138 1	Base Case	-\$11,034	-\$9,337	-\$23,713
Monday, July 19, 2004	HUDS_AVE 138 JAMAICA_ 138	Base Case	\$38,005	\$13,606	\$20,767
Monday, July 19, 2004	NEWBRDGE 138 FREEPORT 138 1	Base Case	\$0	\$0	\$0
Monday, July 19, 2004	NRTHPORT 138 PILGRIM 138 1	NRTHPORT138EPILGRIM 138A677	-\$8,290	-\$7,619	-\$2,311
Monday, July 19, 2004	NRTHPORT 138 PILGRIM 138 2	NRTHPORT138EPILGRIM 138A679	-\$108,531	-\$96,681	-\$29,623
Monday, July 19, 2004	QUENBRDG 138 VERNON 138 1	Base Case	\$28,463	\$6,405	\$22,361
Monday, July 19, 2004	RAINEY 138 VERNON 138 1	TWR: 22 21 A2253	\$605,346	\$208,769	\$457,065
Monday, July 19, 2004	RAINEY 345 DUNWODIE 345	DUNWOD72345 RAINEY 345 72	\$108,157	\$27,994	\$90,925
Monday, July 19, 2004	SHORE_RD 345 SHORE_RD 138 1	SPRNBR49345 EGRDNCTY345CY49	\$41,210	\$26,519	\$19,644
Monday, July 19, 2004	UPNY CONED	Base Case	\$276,100	\$161,371	\$89,846
Monday, July 19, 2004	VALLYSTR 138 EGRDNCTY 138 1	BUS: E F BARRET 292 459 BA	\$75,190	\$39,068	\$23,696
Monday, July 19, 2004	VERNON 138 KENTAVE 138 1	Base Case	\$8	\$1	\$7
Monday, July 19, 2004	VERNON 138 KENTAVE 138 1	Base Case	\$7	\$1	\$7
Monday, July 19, 2004	W49TH_ST 345 SPRNBRK_ 345	SCB: SPBK (RS-4): M52 99941	\$335,601	\$138,436	\$212,170



Congestion Reporting Posting Graphics



Congestion Reporting Posting

- Posting Location
 - To Be Determined
- Posting Style
 - Excel Spreadsheets
- Posting Frequency
 - Within 60 days of the End of Month Being Reported
- Posting Notes
 - Posted Explanatory Document with Postings



Next Steps

- Operating Committee Approval
- Work Out Posting Format & Details with NYISO
- Finalize Explanatory Notes

