



Building the Energy Markets of Tomorrow . . . Today

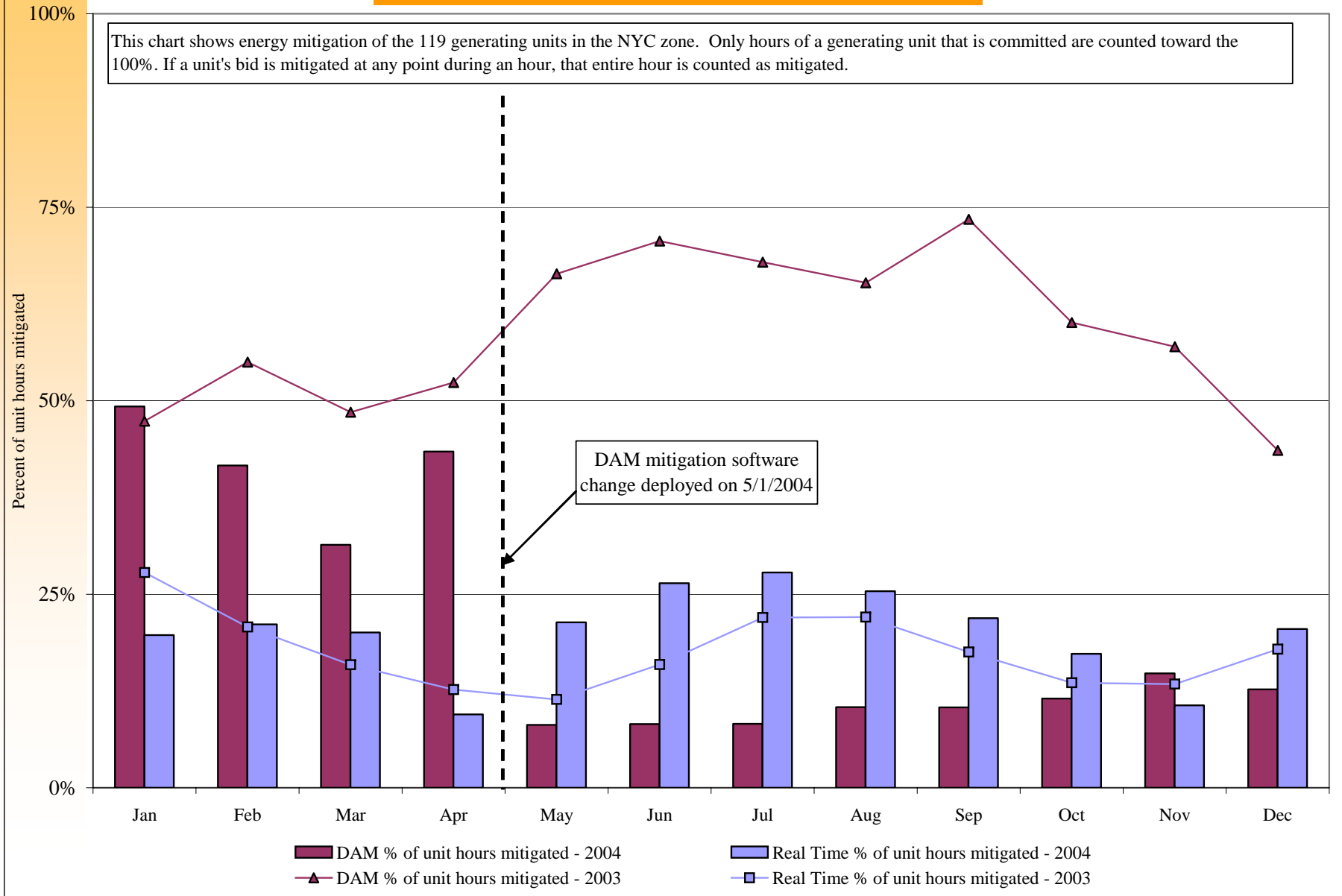
Measuring Mitigation – Monthly Report Chart 4-Y



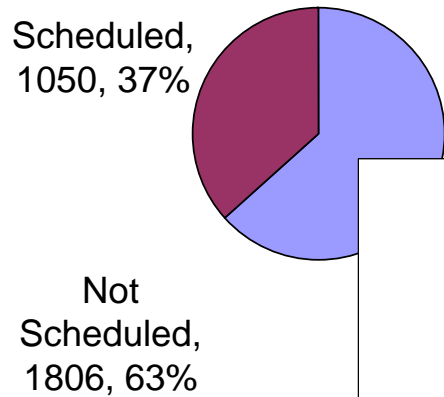
Presentation to MSWG
13 January, 2005
Jim Savitt,
Market Monitor,
Market Monitoring and Performance, NYISO

NYISO In City Energy Mitigation (NYC Zone) 2003-2004 Percentage of committed unit-hours mitigated

This chart shows energy mitigation of the 119 generating units in the NYC zone. Only hours of a generating unit that is committed are counted toward the 100%. If a unit's bid is mitigated at any point during an hour, that entire hour is counted as mitigated.

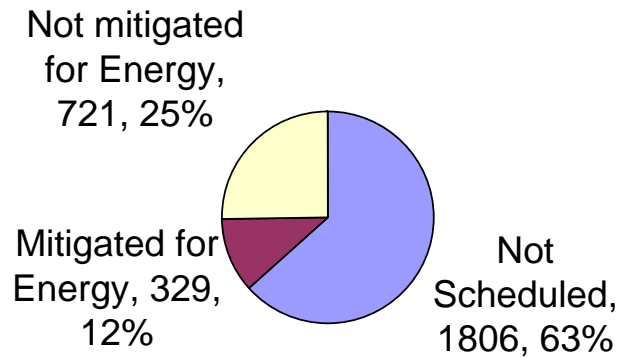


HAM: Dispatch, NYC December 1, 2004 (In Unit Hours)



HAM

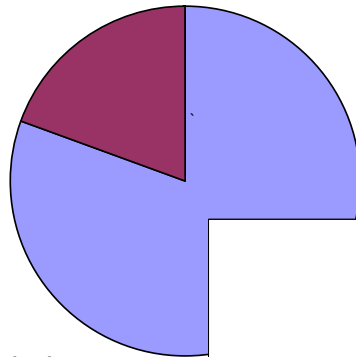
HAM: Mitigation details, NYC December 1, 2004 (in Unit Hours)



DAM

**DAM: Schedule, NYC December 1, 2004
(in Unit Hours)**

Scheduled, 556,
19%

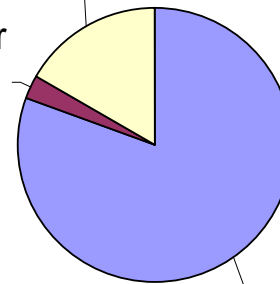


Not Scheduled,
2300, 81%

**DAM: Unit Mitigation, NYC December 1, 2004
(in Unit Hours)**

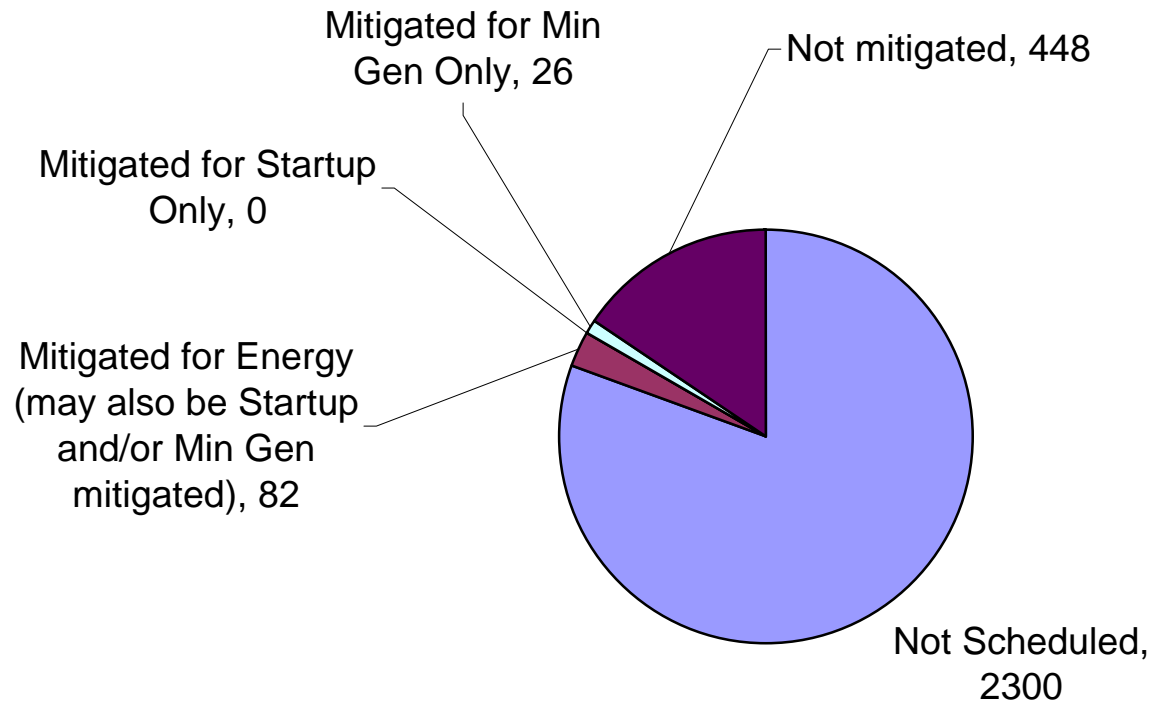
Not mitigated
for Energy,
474, 17%

Mitigated for
Energy, 82,
3%



Not
Scheduled,
2300, 80%

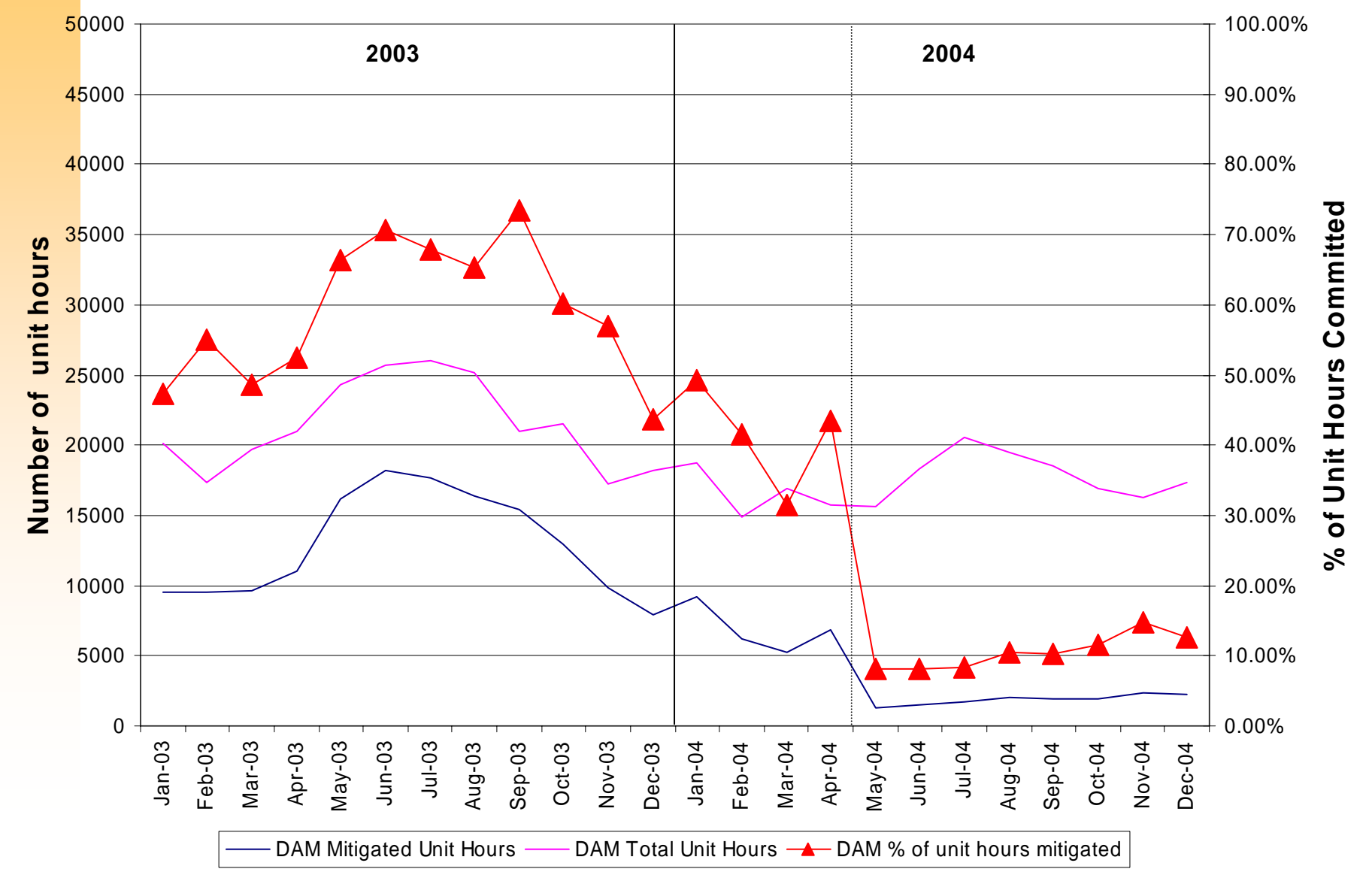
DAM: All mitigation, NYC December 1, 2004 (In Unit Hours)



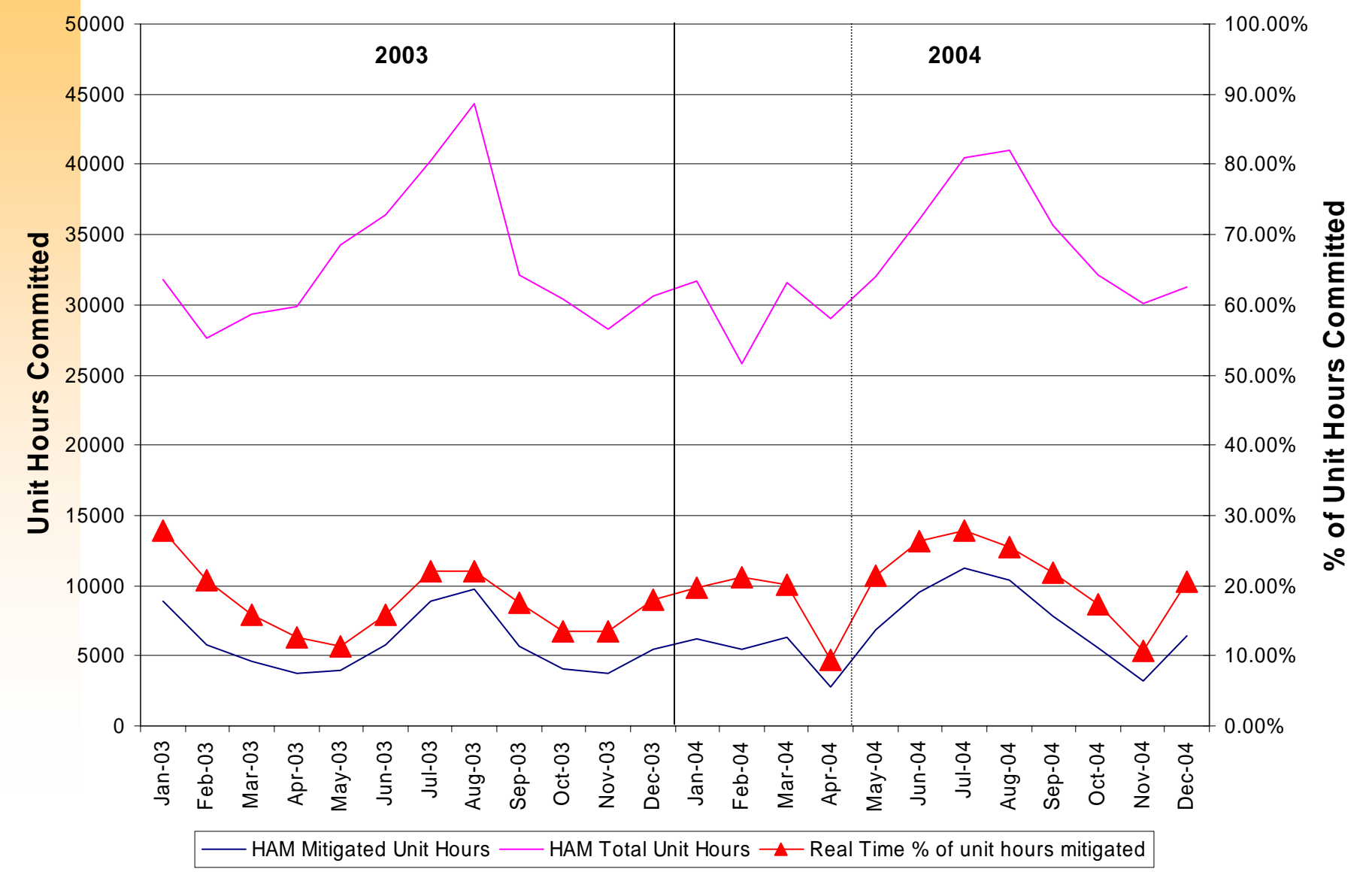
Numbers used in Chart 4-Y

Month/Year	DAM			HAM		Real Time % of
	Mitigated Unit Hours	Total Unit Hours	% of unit hours mitigated	Mitigated Unit Hours	Total Unit Hours	unit hours mitigated
Jan 2003	9517	20091	47.4%	8851	31839	27.8%
Feb 2003	9556	17375	55.0%	5736	27603	20.8%
Mar 2003	9584	19752	48.5%	4657	29326	15.9%
Apr 2003	11012	21029	52.4%	3797	29904	12.7%
May 2003	16172	24352	66.4%	3914	34297	11.4%
Jun 2003	18166	25719	70.6%	5801	36448	15.9%
Jul 2003	17663	26015	67.9%	8846	40234	22.0%
Aug 2003	16434	25188	65.2%	9779	44332	22.1%
Sep 2003	15396	20967	73.4%	5637	32151	17.5%
Oct 2003	12913	21488	60.1%	4121	30399	13.6%
Nov 2003	9812	17218	57.0%	3793	28291	13.4%
Dec 2003	7936	18202	43.6%	5492	30658	17.9%
Jan 2004	9253	18786	49.3%	6256	31736	19.7%
Feb 2004	6209	14911	41.6%	5447	25808	21.1%
Mar 2004	5297	16874	31.4%	6341	31626	20.0%
Apr 2004	6819	15699	43.4%	2750	29031	9.5%
May 2004	1266	15587	8.1%	6828	31962	21.4%
Jun 2004	1506	18288	8.2%	9525	36070	26.4%
Jul 2004	1698	20540	8.3%	11252	40445	27.8%
Aug 2004	2029	19490	10.4%	10420	41029	25.4%
Sep 2004	1920	18494	10.4%	7809	35656	21.9%
Oct 2004	1947	16901	11.5%	5557	32088	17.3%
Nov 2004	2407	16296	14.8%	3200	30054	10.6%
Dec 2004	2203	17345	12.7%	6422	31304	20.5%

DAM Mitigation (Details from 4-Y)



RT Mitigation (Details from 4-Y)



What causes changes in the percent mitigated?

Changes to the numerator and denominator

Mitigated for Energy

Scheduled

- ✓ Line outages
- ✓ Maintenance
- ✓ Unit size
- ✓ Load

Future Improvements/Changes

- ✓ SMD2
- ✓ Change from unit hours to MW hours