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Sunday, November 28, 2004

Marginal Dollars per Marginal Win, 2004

I've built the spreadsheet and run the numbers. Here are the Marginal Dollars per Marginal Win data for 2004, ordered alphabetically first.

MWpMD, alpha Team Wins Losses Win % Marginal Wins Payroll Marginal Payroll Marginal Dollars per Marginal Win
Anaheim 92 70 .568 43.4 \$101,084,667 \$92,684,667 \$2,135,591 Arizona 51 111 .315 2.4 \$70,204,984 \$61,804,984
\$25,752,077 Atlanta 96 66 .593 47.4 \$88,507,788 \$80,107,788 \$1,690,038 Baltimore 78 84 .481 29.4 \$51,212,653
\$42,812,653 \$1,456,213 Boston 98 64 .605 49.4 \$125,208,542 \$116,808,542 \$2,364,545 Chicago (A) 83 79 .512
34.4 \$65,212,500 \$56,812,500 \$1,651,526 Chicago (N) 89 73 .549 40.4 \$91,101,667 \$82,701,667 \$2,047,071
Cincinnati 76 86 .469 27.4 \$43,067,858 \$34,667,858 \$1,265,250 Cleveland 80 82 .494 31.4 \$34,569,300 \$26,169,300
\$833,417 Colorado 68 94 .420 19.4 \$64,590,403 \$56,190,403 \$2,896,413 Detroit 72 90 .444 23.4 \$46,353,554
\$37,953,554 \$1,621,947 Florida 83 79 .512 34.4 \$42,118,042 \$33,718,042 \$980,176 Houston 92 70 .568 43.4
\$74,666,303 \$66,266,303 \$1,526,873 Kansas City 58 104 .358 9.4 \$47,609,000 \$39,209,000 \$4,171,170 Los
Angeles 93 69 .574 44.4 \$89,694,342 \$81,294,342 \$1,830,954 Milwaukee 67 94 .416 18.8 \$27,518,500 \$19,118,500
\$1,016,069 Minnesota 92 70 .568 43.4 \$53,585,000 \$45,185,000 \$1,041,129 Montreal 67 95 .414 18.4 \$43,197,500
\$34,797,500 \$1,891,168 New York (A) 101 61 .623 52.4 \$182,835,513 \$174,435,513 \$3,328,922 New York (N) 71 91
.438 22.4 \$100,629,303 \$92,229,303 \$4,117,380 Oakland 91 71 .562 42.4 \$59,825,167 \$51,425,167 \$1,212,858
Philadelphia 86 76 .531 37.4 \$93,219,167 \$84,819,167 \$2,267,892 Pittsburgh 72 89 .447 23.8 \$32,227,929
\$23,827,929 \$999,192 San Diego 87 75 .537 38.4 \$54,639,503 \$46,239,503 \$1,204,154 San Francisco 91 71 .562
42.4 \$82,019,167 \$73,619,167 \$1,736,301 Seattle 63 99 .389 14.4 \$81,543,833 \$73,143,833 \$5,079,433 St. Louis
105 57 .648 56.4 \$75,633,517 \$67,233,517 \$1,192,084 Tampa Bay 70 91 .435 21.8 \$29,506,667 \$21,106,667
\$966,653 Texas 89 73 .549 40.4 \$54,825,973 \$46,425,973 \$1,149,158 Toronto 67 94 .416 18.8 \$50,017,000
\$41,617,000 \$2,211,770

Now, ordered by winning percentage:

MWpMD, win% Team Wins Losses Win % Marginal Wins Payroll Marginal Payroll Marginal Dollars per Marginal Win
St. Louis 105 57 .648 56.4 \$75,633,517 \$67,233,517 \$1,192,084 New York (A) 101 61 .623 52.4 \$182,835,513
\$174,435,513 \$3,328,922 Boston 98 64 .605 49.4 \$125,208,542 \$116,808,542 \$2,364,545 Atlanta 96 66 .593 47.4
\$88,507,788 \$80,107,788 \$1,690,038 Los Angeles 93 69 .574 44.4 \$89,694,342 \$81,294,342 \$1,830,954 Anaheim
92 70 .568 43.4 \$101,084,667 \$92,684,667 \$2,135,591 Houston 92 70 .568 43.4 \$74,666,303 \$66,266,303 \$1,526,873
Minnesota 92 70 .568 43.4 \$53,585,000 \$45,185,000 \$1,041,129 Oakland 91 71 .562 42.4 \$59,825,167 \$51,425,167
\$1,212,858 San Francisco 91 71 .562 42.4 \$82,019,167 \$73,619,167 \$1,736,301 Chicago (N) 89 73 .549 40.4
\$91,101,667 \$82,701,667 \$2,047,071 Texas 89 73 .549 40.4 \$54,825,973 \$46,425,973 \$1,149,158 San Diego 87 75
.537 38.4 \$54,639,503 \$46,239,503 \$1,204,154 Philadelphia 86 76 .531 37.4 \$93,219,167 \$84,819,167 \$2,267,892
Chicago (A) 83 79 .512 34.4 \$65,212,500 \$56,812,500 \$1,651,526 Florida 83 79 .512 34.4 \$42,118,042 \$33,718,042
\$980,176 Cleveland 80 82 .494 31.4 \$34,569,300 \$26,169,300 \$833,417 Baltimore 78 84 .481 29.4 \$51,212,653
\$42,812,653 \$1,456,213 Cincinnati 76 86 .469 27.4 \$43,067,858 \$34,667,858 \$1,265,250 Pittsburgh 72 89 .447 23.8
\$32,227,929 \$23,827,929 \$999,192 Detroit 72 90 .444 23.4 \$46,353,554 \$37,953,554 \$1,621,947 New York (N) 71
91 .438 22.4 \$100,629,303 \$92,229,303 \$4,117,380 Tampa Bay 70 91 .435 21.8 \$29,506,667 \$21,106,667 \$966,653
Colorado 68 94 .420 19.4 \$64,590,403 \$56,190,403 \$2,896,413 Milwaukee 67 94 .416 18.8 \$27,518,500 \$19,118,500
\$1,016,069 Toronto 67 94 .416 18.8 \$50,017,000 \$41,617,000 \$2,211,770 Montreal 67 95 .414 18.4 \$43,197,500
\$34,797,500 \$1,891,168 Seattle 63 99 .389 14.4 \$81,543,833 \$73,143,833 \$5,079,433 Kansas City 58 104 .358 9.4
\$47,609,000 \$39,209,000 \$4,171,170 Arizona 51 111 .315 2.4 \$70,204,984 \$61,804,984 \$25,752,077

And finally, sorted by Marginal Wins per Marginal Dollar:

MWpMD, mpwmd Team Wins Losses Win % Marginal Wins Payroll Marginal Payroll Marginal Dollars per Marginal Win
Cleveland 80 82 .494 31.4 \$34,569,300 \$26,169,300 \$833,417 Tampa Bay 70 91 .435 21.8 \$29,506,667 \$21,106,667
\$966,653 Florida 83 79 .512 34.4 \$42,118,042 \$33,718,042 \$980,176 Pittsburgh 72 89 .447 23.8 \$32,227,929
\$23,827,929 \$999,192 Milwaukee 67 94 .416 18.8 \$27,518,500 \$19,118,500 \$1,016,069 Minnesota 92 70 .568 43.4
\$53,585,000 \$45,185,000 \$1,041,129 Texas 89 73 .549 40.4 \$54,825,973 \$46,425,973 \$1,149,158 St. Louis 105 57
.648 56.4 \$75,633,517 \$67,233,517 \$1,192,084 San Diego 87 75 .537 38.4 \$54,639,503 \$46,239,503 \$1,204,154
Oakland 91 71 .562 42.4 \$59,825,167 \$51,425,167 \$1,212,858 Cincinnati 76 86 .469 27.4 \$43,067,858 \$34,667,858
\$1,265,250 Baltimore 78 84 .481 29.4 \$51,212,653 \$42,812,653 \$1,456,213 Houston 92 70 .568 43.4 \$74,666,303

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91 71 .562 42.4 \$82,019,167 \$73,619,167 \$1,736,301 Los Angeles 93 69 .574 44.4 \$89,694,342 \$81,294,342
\$1,830,954 Montreal 67 95 .414 18.4 \$43,197,500 \$34,797,500 \$1,891,168 Chicago (N) 89 73 .549 40.4 \$91,101,667
\$82,701,667 \$2,047,071 Anaheim 92 70 .568 43.4 \$101,084,667 \$92,684,667 \$2,135,591 Toronto 67 94 .416 18.8
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64 .605 49.4 \$125,208,542 \$116,808,542 \$2,364,545 Colorado 68 94 .420 19.4 \$64,590,403 \$56,190,403 \$2,896,413
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\$92,229,303 \$4,117,380 Kansas City 58 104 .358 9.4 \$47,609,000 \$39,209,000 \$4,171,170 Seattle 63 99 .389 14.4
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So, let's first congratulate Arizona on their accomplishment. Not since all the way back in 2003, when the Tigers actually won fewer games than a random team of minimum-wage players should, has a team put up such an astounding number. In Detroit's case, it was hard to notice, because it just turned everything negative, so that they, in some way, paid about \$7 million for each loss below replacement they managed to be. Anyway, that \$25, almost \$26, million figure is astounding, five times worst than the next worse team and three and a half times worst the second worst team in payroll efficiency from 1995 to present, the 2002 Detroit Tigers, who won four more games than these Diamondbacks while spending about \$15 million fewer bucks.

The top of the list is dominated by the usual bad teams with low payrolls: Tampa Bay, Pittsburgh, and Milwaukee are three of the top five. They're not spending much money, but they're not winning much, either. Of the three, only Milwaukee can get many people excited about their future, so these aren't your 1997-1998 Oakland A's here.

On the other hand, Cleveland's team is quite exciting, and this list shows why their front office is so well regarded in the right circles: they appear to be on their way to winning with cheap, homegrown talent. Their payroll is coming down from the excesses of the late '90's and early '00's, but their win total seems to be now moving in the opposite direction, after tracking with the payroll since 1999: 97, 90, 91, 74, 68, and then back to 80 this year. There's no reason to think they won't fight it out with the Twins for the rest of the decade, at least.

Minnesota used to lose on the cheap and now they win on the cheap. They're going to have one of the lower MDpMW numbers regardless, but right now, it's a positive one. They make their share of mistakes (Shannon Stewart), but, as slow and methodical as they are about it, they've let a number of their young players come in and have an impact (Johan Santana, Justin Morneau).

As I mentioned before, Oakland is slipping: this is the first time they've been over a million bucks per marginal win in the Beane era. That can be chalked up to two things off the top of my head: bad luck combined with overpayment to Jermaine Dye, and four disappointing lefties (Mulder, Zito, Redman, Rhodes, in order of level of disappointment), two of which should have been avoided by the front office (Redman, Rhodes). Having those two guys on the team wasn't negative in itself. Paying them what the A's were paying them was the problem. Somehow, they've managed to turn it into a good thing for the next two years, getting Jason Kendall, but they way they've pushed the punishment for the mistakes back to 2007 reminds me too much of the Forty Niners of the mid- to late-nineties for comfort.

I'm sure I'll be able to have plenty of fun with these numbers over the next year.

UPDATE: Jesus Christmas. BP just published these numbers on the 19th. I wonder why they didn't Google. Maybe they're subscriber-only. Oh well. I'm leaving this here, though, especially since they don't have their numbers run together as a whole league or in the various sortings I have.

Posted by jason in Baseball at 01:45