

September 28, 2010

David W. Danner, Executive Director and Secretary
Washington Utilities and Transportation Commission
PO Box 47250
Olympia, WA 98504-7250

RE: Bare Steel Replacement Program annual Risk Assessment (Docket PG-030080 and PG-030128)

Dear Mr. Lykken;

Pursuant to the King/Pierce County Settlement Agreement reached under Dockets PG-030080 and PG-030128, Puget Sound Energy (PSE) is required to complete an annual system risk assessment of bare steel pipeline segments utilizing the revised matrix detailed in the Bare Steel Replacement Program document. Please find enclosed a copy of PSE's 2011 Risk Assessment.

For ease of reference, a breakdown and a summary of the planned replacement footage are provided at the top of page 1 of the Risk Assessment. A total of 136,799 feet of bare steel is scheduled for replacement in 2011.

If you have any questions, please call me at 425-462-3967.

Sincerely,



Helge Ferchert
Manager, Gas Compliance & Regulatory Audits

Enc.

Cc: Mike Hobbs
Karl Karzmer
Bert Valdman
Sue McLain
Duane Henderson
Harry Shapiro

2010 SEP 30 AM 9:12

DRAFT Initial Risk Assessment
June 10, 2010

| UN AREA # | | SUB AREA # | Notification # | Prioritization Method | Status | Field Completion Date | Approval Date | BS & WI Footage | Cumulative Feet | Score /Mile | Planned Replacement Year | Comments |
|--|--|------------|----------------|-----------------------|-----------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|----------|
| Footage by Risk Model | | | | | 136,799 | | | | | | 136,799 | |
| Cast Iron Coordination Footage | | | | | - | | | | | | 137,485 | |
| "Other" Footage | | | | | - | | | | | | (686) | |
| PI Opportunity Footage | | | | | - | | | | | | - | |
| Field Identified Footage | | | | | - | | | | | | 136,799 | |
| Total 2011 Planned Replacement Footage | | | | | | | | | | | | |
| Target 2011 Replacement Footage | | | | | | | | | | | | |
| Planned versus Target | | | | | | | | | | | | |
| Total Non-Program Footage | | | | | | | | | | | | |
| Total 2011 Footage | | | | | | | | | | | | |
| 032 | | 5 | 10892508 | 10model | completed | 8/6/2010 | 11/23/2009 | 550 | 550 | 4.879 | 2010 | |
| 136 | | 4 | 10891850 | 10model | completed | 1/27/2010 | 9/1/2009 | 450 | 1000 | 4.771 | 2010 | |
| 025 | | 11 | 10892526 | 10model | permit | | 11/23/2009 | 1150 | 2150 | 4.343 | 2010 | |
| | | | 10891860 / | | | | | | | | | |
| 158 | | 11 | 10921477 | 10model | completed | 4/20/2010 | 9/1/2009 | 8541 | 10691 | 3.388 | 2010 | |
| 151 | | 7 | 10891871 | 10model | completed | 7/13/2010 | 10/1/2009 | 200 | 10891 | 2.700 | 2010 | |
| 013 | | 2 | 10891982 | 10model | const | | 9/1/2009 | 1210 | 12101 | 2.443 | 2010 | |
| 146 | | 1 | 10892115 | 10model | const | | 9/1/2009 | 1350 | 13451 | 2.385 | 2010 | |
| 142 | | 4 | 10891854 | 10model | const | | 9/1/2009 | 5176 | 18627 | 2.233 | 2010 | |
| 999 | | 6 | 10763841 | 10model | permit | | 8/9/2009 | 4200 | 22827 | 2.203 | 2010 | |
| 015 | | 1 | 10891986 | 10model | completed | 3/31/2010 | 9/1/2009 | 1800 | 24627 | 2.087 | 2010 | |
| 009 | | 1 | 10892031 | 10model | const | | 9/1/2009 | 2800 | 27427 | 2.030 | 2010 | |
| 151 | | 5 | 10838832 | 10model | permit | | 10/1/2009 | 2200 | 29627 | 2.028 | 2010 | |
| 130 | | 1 | 10891875 | 10model | completed | 6/23/2009 | 9/1/2009 | 4880 | 34507 | 1.965 | 2010 | |
| 151 | | 2 | 10838799 | 10model | permit | | 10/1/2009 | 700 | 35207 | 1.867 | 2010 | |
| 077 | | 4 | 10892643 | 10model | permit | | 12/2/2009 | 300 | 35507 | 1.789 | 2010 | |
| 151 | | 1 | 10891872 | 10model | completed | 7/26/2010 | 10/1/2009 | 650 | 36157 | 1.657 | 2010 | |
| 186 | | 2 | 10891876 | 10model | const | | 12/2/2009 | 1650 | 37807 | 1.627 | 2010 | |
| 186 | | 3 | 10838817 | 10model | permit | | 12/2/2009 | 1250 | 39057 | 1.625 | 2010 | |
| 045 | | 2 | 10892233 | 10model | permit | | 9/1/2009 | 1350 | 40407 | 1.595 | 2010 | |
| 043 | | 3 | 10892686 | 10model | const | | 12/2/2009 | 400 | 40807 | 1.556 | 2010 | |
| 071 | | 2 | 10892751 | 10model | design | | 12/2/2009 | 3235 | 44042 | 1.547 | 2010 | |
| 031 | | 10 | 10892711 | 10model | const | | 11/23/2009 | 540 | 44582 | 1.346 | 2010 | |
| 156 | | 31 | 10891859 | 10model | const | | 12/7/2009 | 975 | 45557 | 1.204 | 2010 | |
| 156 | | 15 | 10891858 | 10model | permit | | 12/7/2009 | 1750 | 47307 | 1.185 | 2010 | |
| 031 | | 6 | 10838879 | 10model | const | | 11/23/2009 | 715 | 48022 | 1.032 | 2010 | |
| 187 | | 5 | 10891874 | 10model | const | | 12/2/2009 | 700 | 48722 | 1.016 | 2010 | |
| 181 | | 3 | 10891880 | 10model | design | | 6/30/2010 | 970 | 49692 | 0.942 | 2010 | |
| 037 | | 2 | 10946760 | 10model | permit | | 6/30/2010 | 400 | 50092 | 0.739 | 2010 | |
| 186 | | 4 | 10891878 | 10model | permit | | 12/2/2009 | 750 | 50842 | 0.716 | 2010 | |
| 173 | | 12 | 10891881 | 10model | design | | 12/2/2009 | 900 | 51742 | 0.702 | 2010 | |
| 173 | | 1 | 10838292 | 10model | const | | 12/2/2009 | 1400 | 53142 | 0.701 | 2010 | |
| 010 | | 2 | 10892033 | 10model | completed | 6/8/2010 | 9/1/2009 | 1250 | 54392 | 0.695 | 2010 | |
| 173 | | 6 | 10902979 | 10model | const | | 2/1/2010 | 800 | 55192 | 0.671 | 2010 | |
| 155 | | 1 | 10891882 | 10model | const | | 12/7/2009 | 900 | 56092 | 0.635 | 2010 | |
| | | | 10838878 | | | | | | | | | |
| 110 | | 1 | /10924527 | 10model | const | | 9/1/2009 | 7050 | 63142 | 0.630 | 2010 | |
| 187 | | 16 | 10791819 | 10 Field | permit | | 5/5/2010 | 250 | 63392 | 0.520 | 2010 | |

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|-----------|------------|----------------|-----------------------|-----------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|------------------------------|
| | | 10892037 & | | | | | | | | | |
| 001 | 3 | 10892078 | 10model | completed | 7/20/2010 | 9/1/2009 | 6790 | 70182 | 0.341 | 2010 | |
| 081 | 1 | 10837887 | 10model | const | | 9/3/2009 | 2783 | 72965 | 0.325 | 2010 | |
| 034 | 3 | 10891879 | 10field | design | | 6/30/2010 | 450 | 142672 | 0.324 | 2010 | |
| 080 | 6 | 10934174 | 10field | const | | 3/31/2010 | 1100 | 74515 | 0.315 | 2010 | |
| 156 | 18 | 10915139 | 10pi | const | | 2/1/2010 | 3028 | 77543 | 0.234 | 2010 | |
| 014 | 2 | 10915740 | 10model | completed | 3/11/2010 | 12/22/2009 | 3690 | 81233 | 0.193 | 2010 | |
| 130 | 9 | 10919879 | 10pi | const | | 2/1/2010 | 3792 | 85025 | 0.145 | 2010 | |
| 209 | 2 | 10931844 | 10field | design | | 4/9/2010 | 4420 | 89445 | 0.143 | 2010 | |
| 078 | 1 | 10892643 | 10model | permit | | 12/2/2009 | 300 | 89745 | 0.072 | 2010 | |
| 142 | 9 | 10855727 | 10model | completed | 7/9/2010 | 2/1/2010 | 550 | 90295 | 0.021 | 2010 | |
| 130 | 11 | 10920707 | 10pi | completed | 6/3/2010 | 2/1/2010 | 1900 | 92195 | 0.006 | 2010 | |
| 103 | 4part | 10909087 | 10pi | completed | 7/23/2010 | 11/9/2009 | 400 | 92595 | 0.000 | 2010 | |
| 131 | 1part | 10858340 | 10pi | completed | 5/10/2010 | 11/23/2009 | 800 | 93395 | 0.000 | 2010 | |
| 045 | 1part | 10892238 | 10field | completed | 1/29/2010 | 6/30/2009 | 300 | 93695 | 0.000 | 2010 | |
| 209 | 1part | 10890908 | 10pi | completed | 7/23/2010 | 4/9/2010 | 2300 | 95995 | 0.000 | 2010 | |
| 019 | 8 | 10909210 | 10pi | completed | 5/12/2010 | 11/23/2009 | 1100 | 97095 | 0.000 | 2010 | |
| 142 | 26 | 10915077 | 10pi | completed | 4/22/2010 | 2/1/2010 | 680 | 97775 | 0.000 | 2010 | |
| | | 10920823 / | | | | | | | | | |
| 156 | 10part | 10920909 | 10pi | completed | 5/7/2010 | 2/1/2010 | 560 | 98335 | 0.000 | 2010 | |
| 168 | 2 | 10919471 | 10pi | completed | 6/22/2010 | 2/1/2010 | 765 | 99100 | 0.000 | 2010 | |
| 173 | 3part | 10929268 | 10pi | const | | 3/1/2010 | 400 | 99500 | 0.000 | 2010 | |
| 173 | 5 | 10929245 | 10pi | const | | 3/1/2010 | 1100 | 100600 | 0.000 | 2010 | |
| 173 | 28 | 10930343 | 10pi | completed | 6/8/2010 | 3/1/2010 | 130 | 100730 | 0.000 | 2010 | |
| 186 | 1 | 10891877 | 10model | const | | 12/2/2009 | 650 | 101380 | 0.000 | 2010 | |
| 999 | 1part | 10931742 | 10pi | completed | 8/3/2010 | 3/10/2010 | 1100 | 102480 | 0.000 | 2010 | |
| 037 | 3 | 10947344 | Model | | | | 500 | 102980 | 5.347 | 2011 | 80% |
| 104 | 11 | 10947345 | Model | | | 9/1/2010 | 100 | 103080 | 5.288 | 2011 | Released to Service Provider |
| 031 | 14 | 10947347 | Model | | | 9/1/2010 | 205 | 103285 | 1.520 | 2011 | Released to Service Provider |
| 049 | 2 | 10947348 | Model | | | 9/1/2010 | 600 | 103885 | 0.899 | 2011 | Released to Service Provider |
| 071 | 6 | 10947350 | Model | | | 9/1/2010 | 100 | 103985 | 0.764 | 2011 | Released to Service Provider |
| 184 | 3 | 10947351 | Model | | | | 200 | 104185 | 0.748 | 2011 | 80% |
| 137 | 6 | 10947352 | Model | | | | 140 | 104325 | 0.677 | 2011 | 80% |
| 011 | 7 | 10947353 | Model | | | 9/1/2010 | 160 | 104485 | 0.674 | 2011 | Released to Service Provider |
| 209 | 5 | 10892186 | Model | | | | 1400 | 105885 | 0.620 | 2011 | 80% |
| 014 | 4 | 10947357 | Model | | | 9/1/2010 | 900 | 106785 | 0.596 | 2011 | Released to Service Provider |
| 031 | 7 | 10947358 | Model | | | 9/1/2010 | 3035 | 109820 | 0.579 | 2011 | Released to Service Provider |
| 019 | 5 | 10947354 | Model | | | 9/1/2010 | 1100 | 110920 | 0.556 | 2011 | Released to Service Provider |
| 153 | 7 | 10947362 | Model | | | | 1000 | 111920 | 0.539 | 2011 | 80% |
| 207 | 1 | 10947365 | Model | | | 9/1/2010 | 150 | 112070 | 0.479 | 2011 | Released to Service Provider |
| 034 | 1 | 10947366 | Model | | | 9/1/2010 | 3450 | 115520 | 0.477 | 2011 | Released to Service Provider |
| 156 | 14 | 10947367 | Model | | | | 6092 | 121612 | 0.475 | 2011 | 80% |
| 173 | 14 | 10947368 | Model | | | | 2550 | 124162 | 0.468 | 2011 | 80% |

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| 008 | 2 | 10947369 | Model | | | 9/1/2010 | 890 | 125052 | 0.463 | 2011 | Released to Service Provider |
| 104 | 7 | 10947370 | Model | | | | 1950 | 127002 | 0.459 | 2011 | 80% |
| 125 | 1 | 10838893 | Model | | | 9/1/2010 | 1840 | 128842 | 0.442 | 2011 | Released to Service Provider |
| 070 | 2 | 10947372 | Model | | | | 250 | 129092 | 0.437 | 2011 | 80% |
| 010 | 5 | 10947374 | Model | | | 9/1/2010 | 500 | 129592 | 0.402 | 2011 | Released to Service Provider |
| 129 | 2 | 10947376 | Model | | | | 1300 | 130892 | 0.384 | 2011 | 80% |
| 158 | 5 | 10947349 | Model | | | | 10375 | 141267 | 0.374 | 2011 | 80% |
| 087 | 2 | 10947380 | Model | | | | 380 | 141647 | 0.353 | 2011 | 80% |
| 126 | 1 | 10947381 | Model | | | | 725 | 142372 | 0.329 | 2011 | 80% |
| 156 | 6 | 10947382 | Model | | | | 300 | 142672 | 0.326 | 2011 | 80% |
| 029 | 12 | 10947384 | Model | | | 9/1/2010 | 3200 | 145872 | 0.323 | 2011 | Released to Service Provider |
| 001 | 4 | 10838939 | Model | | | 9/1/2010 | 600 | 146472 | 0.322 | 2011 | Released to Service Provider |
| 034 | 5 | 10947386 | Model | | | 9/1/2010 | 2200 | 149758 | 0.306 | 2011 | Released to Service Provider |
| 137 | 5 | 10947387 | Model | | | | 1086 | 149758 | 0.292 | 2011 | 80% |
| 007 | 1 | 10947388 | Model | | | 9/1/2010 | 1090 | 150848 | 0.291 | 2011 | Released to Service Provider |
| 177 | 1 | 10838838 | Model | | | | 250 | 151098 | 0.287 | 2011 | 80% |
| 208 | 1 | 10947389 | Model | | | | 250 | 151348 | 0.287 | 2011 | 80% |
| 103 | 8 | 10947390 | Model | | | 9/1/2010 | 340 | 151688 | 0.279 | 2011 | Released to Service Provider |
| 019 | 2 | 10947392 | Model | | | 9/1/2010 | 600 | 152288 | 0.275 | 2011 | Released to Service Provider |
| 053 | 1 | 10947393 | Model | | | 9/1/2010 | 1250 | 153538 | 0.274 | 2011 | Released to Service Provider |
| 030 | 4 | 10947360 | Model | | | | 5790 | 159328 | 0.264 | 2011 | 80% |
| 005 | 4 | 10947394 | Model | | | 9/1/2010 | 1333 | 160661 | 0.257 | 2011 | Released to Service Provider |
| 050 | 1 | 10947395 | Model | | | 9/1/2010 | 600 | 161261 | 0.255 | 2011 | Released to Service Provider |
| 208 | 3 | 10947396 | Model | | | 9/1/2010 | 5307 | 166568 | 0.255 | 2011 | Released to Service Provider |
| 208 | 2 | 10947397 | Model | | | 9/1/2010 | 1525 | 168093 | 0.252 | 2011 | Released to Service Provider |
| 031 | 12 | 10838880 | Model | | | 9/1/2010 | 600 | 168693 | 0.249 | 2011 | Released to Service Provider |
| 031 | 11 | 10838892 | Model | | | 9/1/2010 | 2350 | 171043 | 0.248 | 2011 | Released to Service Provider |
| 187 | 13 | 10947401 | Model | | | | 1900 | 172943 | 0.242 | 2011 | 80% |
| 019 | 1 | 10947355 | Model | | | 9/1/2010 | 4835 | 177778 | 0.242 | 2011 | Released to Service Provider |
| 065 | 2 | 10947402 | Model | | | | 400 | 178178 | 0.241 | 2011 | 80% |
| 085 | 2 | 10947361 | Model | | | 9/1/2010 | 3875 | 182053 | 0.235 | 2011 | Released to Service Provider |
| 201 | 1 | 10947371 | Model | | | | 1600 | 183653 | 0.235 | 2011 | 80% |
| 063 | 3 | 10838874 | Model | | | | 650 | 184303 | 0.228 | 2011 | 80% |
| 012 | 4 | 10947377 | Model | | | 9/1/2010 | 6875 | 191178 | 0.225 | 2011 | Released to Service Provider |
| 182 | 5 | 10947375 | Model | | | | 300 | 191478 | 0.216 | 2011 | 80% |
| 206 | 3 | 10947383 | Model | | | 9/1/2010 | 300 | 191778 | 0.216 | 2011 | Released to Service Provider |
| 209 | 4 | 10947363 | Model | | | | 2275 | 194053 | 0.207 | 2011 | 80% |
| 040 | 1 | 10947373 | Model | | | 9/1/2010 | 2350 | 196403 | 0.198 | 2011 | Released to Service Provider |
| 050 | 9 | 10947385 | Model | | | 9/1/2010 | 1410 | 197813 | 0.198 | 2011 | Released to Service Provider |
| 154 | 4 | 10947391 | Model | | | | 482 | 198295 | 0.197 | 2011 | 80% |
| 153 | 3 | 10947398 | Model | | | | 4395 | 202690 | 0.192 | 2011 | 80% |
| 097 | 1 | 10947359 | Model | | | | 1400 | 204090 | 0.190 | 2011 | 80% |

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| 019 | 11 | 10947356 | Model | | | 9/1/2010 | 1120 | 205210 | 0.188 | 2011 | Released to Service Provider |
| 017 | 2 | 10889534 | Model | | | | 879 | 206089 | 0.185 | 2011 | 80% |
| 019 | 3 | 10947346 | Model | | | 9/1/2010 | 550 | 206639 | 0.183 | 2011 | Released to Service Provider |
| 201 | 2 | 10947399 | Model | | | | 2450 | 209089 | 0.178 | 2011 | 80% |
| 144 | 1 | 10947364 | Model | | | | 2625 | 211714 | 0.163 | 2011 | 80% |
| 051 | 1 | 10947378 | Model | | | 9/1/2010 | 150 | 211864 | 0.153 | 2011 | Released to Service Provider |
| 036 | 1 | | Model | | | | 6900 | 218764 | 0.145 | 2011 | 20% |
| 142 | 3 | 10871771 | Model | | | | 1000 | 219764 | 0.144 | 2011 | 20% |
| 124 | 5 | | Model | | | | 1145 | 220909 | 0.142 | 2011 | 20% |
| 103 | 4rem | | Model | | | | 16670 | 237579 | 0.139 | 2011 | 20% |
| 205 | 9 | | Model | | | | 450 | 238029 | 0.136 | 2011 | 20% |
| 038 | 1 | | Model | | | | 1250 | 239279 | 0.136 | 2011 | 20% |
| 188 | 1 | | | | | | 4500 | 243779 | 0.130 | 2012 | |
| 025 | 6 | | | | | | 1850 | 245629 | 0.127 | 2012 | |
| 121 | 2 | | | | | | 800 | 246429 | 0.119 | 2012 | |
| 187 | 2 | | | | | | 800 | 247229 | 0.118 | 2012 | |
| 163 | 1 | | | | | | 100 | 247329 | 0.115 | 2012 | |
| 187 | 1 | | | | | | 1700 | 249029 | 0.112 | 2012 | |
| 001 | 2 | | | | | | 700 | 249729 | 0.107 | 2012 | |
| 163 | 6 | | | | | | 110 | 249839 | 0.104 | 2012 | |
| 014 | 5 | | | | | | 640 | 250479 | 0.101 | 2012 | |
| 057 | 2 | | | | | | 230 | 250709 | 0.100 | 2012 | |
| 103 | 3 | | | | | | 5065 | 255774 | 0.099 | 2012 | |
| 025 | 13 | | | | | | 900 | 256674 | 0.093 | 2012 | |
| 045 | 1rem | | | | | | 1056 | 257730 | 0.090 | 2012 | |
| 011 | 6 | | | | | | 4679 | 262409 | 0.088 | 2012 | |
| 186 | 8 | | | | | | 5850 | 268259 | 0.085 | 2012 | |
| 023 | 3 | | | | | | 220 | 268479 | 0.084 | 2012 | |
| 135 | 2 | | | | | | 2077 | 270556 | 0.083 | 2012 | |
| 158 | 10 | | | | | | 140 | 270696 | 0.082 | 2012 | |
| 034 | 2 | | | | | | 1200 | 271896 | 0.081 | 2012 | |
| 120 | 1 | | | | | | 800 | 272696 | 0.081 | 2012 | |
| 184 | 6 | | | | | | 300 | 272996 | 0.076 | 2012 | |
| 203 | 3 | | | | | | 150 | 273146 | 0.076 | 2012 | |
| 187 | 11 | | | | | | 1145 | 274291 | 0.075 | 2012 | |
| 163 | 3 | | | | | | 155 | 274446 | 0.074 | 2012 | |
| 103 | 12 | | | | | | 3340 | 277786 | 0.073 | 2012 | |
| 104 | 5 | | | | | | 950 | 278736 | 0.068 | 2012 | |
| 186 | 5 | | | | | | 150 | 278886 | 0.068 | 2012 | |
| 019 | 4 | | | | | | 170 | 279056 | 0.067 | 2012 | |
| 028 | 4 | | | | | | 1550 | 280606 | 0.067 | 2012 | |
| 005 | 8 | | | | | | 2930 | 283536 | 0.066 | 2012 | |
| 137 | 4 | | | | | | 175 | 283711 | 0.065 | 2012 | |

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| 156 | 13 | | | | | | 175 | 283886 | 0.065 | 2012 | |
| 206 | 1 | | | | | | 100 | 283986 | 0.064 | 2012 | |
| 190 | 1 | | | | | | 6215 | 290201 | 0.063 | 2012 | |
| 108 | 9 | | | | | | 1370 | 291571 | 0.063 | 2012 | |
| 173 | 3rem | | | | | | 14773 | 383677 | 0.060 | 2012 | |
| 136 | 1 | | | | | | 2900 | 309244 | 0.059 | 2012 | |
| 104 | 12 | | | | | | 1675 | 310919 | 0.058 | 2012 | |
| 123 | 2 | | | | | | 450 | 311369 | 0.058 | 2012 | |
| 129 | 1 | | | | | | 1600 | 312969 | 0.056 | 2012 | |
| 131 | 1rem | | | | | | 2541 | 315510 | 0.055 | 2012 | |
| 104 | 1 | | | | | | 500 | 316010 | 0.052 | 2012 | |
| 156 | 30 | | | | | | 220 | 316230 | 0.052 | 2012 | |
| 083 | 1 | | | | | | 1920 | 318150 | 0.051 | 2012 | |
| 190 | 3 | | | | | | 3150 | 321300 | 0.049 | 2012 | |
| 045 | 3 | | | | | | 1650 | 322950 | 0.046 | 2012 | |
| 187 | 7 | | | | | | 7960 | 330910 | 0.046 | 2012 | |
| 125 | 2 | | | | | | 466 | 331376 | 0.039 | 2012 | |
| 070 | 3 | | | | | | 300 | 331676 | 0.038 | 2012 | |
| 142 | 5 | | | | | | 300 | 331976 | 0.038 | 2012 | |
| 184 | 4 | | | | | | 300 | 332276 | 0.038 | 2012 | |
| 187 | 10 | | | | | | 300 | 332576 | 0.038 | 2012 | |
| 124 | 1 | | | | | | 4200 | 336776 | 0.038 | 2012 | |
| 165 | 4 | | | | | | 350 | 337126 | 0.033 | 2012 | |
| 142 | 7 | | | | | | 450 | 337576 | 0.033 | 2012 | |
| 138 | 2 | | | | | | 100 | 337676 | 0.032 | 2012 | |
| 135 | 3 | | | | | | 1200 | 338876 | 0.031 | 2012 | |
| 136 | 2 | | | | | | 2599 | 341475 | 0.029 | 2012 | |
| 134 | 2 | | | | | | 2350 | 343825 | 0.029 | 2012 | |
| 069 | 1 | | | | | | 800 | 344625 | 0.029 | 2012 | |
| 156 | 10rem | | | | | | 4251 | 325493 | 0.028 | 2012 | |
| 128 | 2 | | | | | | 420 | 349296 | 0.027 | 2012 | |
| 111 | 4 | | | | | | 1050 | 350346 | 0.027 | 2012 | |
| 019 | 6 | | | | | | 3900 | 354246 | 0.026 | 2012 | |
| 029 | 11 | | | | | | 800 | 355046 | 0.026 | 2012 | |
| 198 | 2 | | | | | | 375 | 355421 | 0.026 | 2012 | |
| 164 | 1 | | | | | | 450 | 355871 | 0.025 | 2012 | |
| 173 | 30 | | | | | | 4200 | 360071 | 0.025 | 2012 | |
| 050 | 10 | | | | | | 3060 | 363131 | 0.025 | 2012 | |
| 134 | 1 | | | | | | 950 | 364081 | 0.019 | 2012 | |
| 017 | 5 | | | | | | 600 | 364681 | 0.019 | 2012 | |
| 022 | 2 | | | | | | 1000 | 365681 | 0.018 | 2012 | |
| 119 | 3 | | | | | | 805 | 366486 | 0.018 | 2012 | |
| 020 | 2 | | | | | | 650 | 367136 | 0.018 | 2012 | |

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| 103 | 7 | | | | | | 1050 | 368186 | 0.017 | 2012 | |
| 999 | 2 | | | | | | 700 | 368886 | 0.017 | 2012 | |
| 142 | 6 | | | | | | 200 | 369086 | 0.016 | 2012 | |
| 131 | 7 | | | | | | 1500 | 370586 | 0.014 | 2012 | |
| 094 | 1 | | | | | | 1392 | 371978 | 0.013 | 2012 | |
| 210 | 7 | | | | | | 900 | 372878 | 0.013 | 2012 | |
| 014 | 3 | | | | | | 2100 | 374978 | 0.011 | 2012 | |
| 194 | 2 | | | | | | 300 | 375278 | 0.011 | 2012 | |
| 153 | 5 | | | | | | 700 | 375978 | 0.009 | 2012 | |
| 085 | 1 | | | | | | 1300 | 377278 | 0.009 | 2012 | |
| 209 | 1rem | | | | | | 1400 | 378678 | 0.008 | 2013 | |
| 187 | 23 | | | | | | 4450 | 383128 | 0.008 | 2013 | |
| 083 | 2 | | | | | | 400 | 383528 | 0.008 | 2013 | |
| 017 | 4 | | | | | | 1450 | 384978 | 0.008 | 2013 | |
| 144 | 3 | | | | | | 3000 | 387978 | 0.008 | 2013 | |
| 156 | 22 | | | | | | 2350 | 390328 | 0.006 | 2013 | |
| 050 | 8 | | | | | | 5311 | 395639 | 0.006 | 2013 | |
| 156 | 34 | | | | | | 575 | 396214 | 0.006 | 2013 | |
| 156 | 28 | | | | | | 600 | 396814 | 0.005 | 2013 | |
| 158 | 1 | | | | | | 450 | 397264 | 0.005 | 2013 | |
| 999 | 1rem | | | | | | 13587 | 517727 | 0.005 | 2013 | |
| 107 | 3 | | | | | | 1250 | 412101 | 0.005 | 2013 | |
| 156 | 36 | | | | | | 85 | 412186 | 0.005 | 2013 | |
| 100 | 1 | | | | | | 7585 | 419771 | 0.005 | 2013 | |
| 131 | 6 | | | | | | 1400 | 437679 | 0.005 | 2013 | |
| 011 | 2 | | | | | | 800 | 421971 | 0.004 | 2013 | |
| 181 | 1 | | | | | | 1550 | 423521 | 0.004 | 2013 | |
| 208 | 4 | | | | | | 920 | 424441 | 0.004 | 2013 | |
| 132 | 2 | | | | | | 975 | 425416 | 0.003 | 2013 | |
| 005 | 3 | | | | | | 2013 | 427429 | 0.003 | 2013 | |
| 044 | 1 | | | | | | 4250 | 431679 | 0.003 | 2013 | |
| 186 | 9 | | | | | | 6000 | 437679 | 0.002 | 2013 | |
| 075 | 1 | | | | | | 1500 | 439179 | 0.002 | 2013 | |
| 173 | 13 | | | | | | 200 | 439379 | 0.002 | 2013 | |
| 173 | 18 | | | | | | 1500 | 440879 | 0.002 | 2013 | |
| 050 | 2 | | | | | | 600 | 441479 | 0.001 | 2013 | |
| 071 | 4 | | | | | | 605 | 442084 | 0.001 | 2013 | |
| 014 | 1 | | | | | | 626 | 442710 | 0.001 | 2013 | |
| 086 | 2 | | | | | | 684 | 443394 | 0.001 | 2013 | |
| 090 | 3 | | | | | | 700 | 444094 | 0.001 | 2013 | |
| 024 | 2 | | | | | | 820 | 444914 | 0.001 | 2013 | |
| 153 | 2 | | | | | | 950 | 445864 | 0.000 | 2013 | |
| 999 | 4 | | | | | | 795 | 446659 | 0.000 | 2013 | |

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|-----------|------------|----------------|-----------------------|--------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|----------|
| 999 | 7 | | | | | | 885 | 447544 | 0.000 | 2013 | |
| 142 | 1 | | | | | | 1050 | 448594 | 0.000 | 2013 | |
| 001 | 1 | | | | | | 140 | 448734 | 0.000 | 2013 | |
| 003 | 1 | | | | | | 275 | 449009 | 0.000 | 2013 | |
| 005 | 5 | | | | | | 300 | 449309 | 0.000 | 2013 | |
| 006 | 1 | | | | | | 200 | 449509 | 0.000 | 2013 | |
| 010 | 3 | | | | | | 1800 | 451309 | 0.000 | 2013 | |
| 011 | 4 | | | | | | 225 | 451534 | 0.000 | 2013 | |
| 011 | 8 | | | | | | 50 | 451584 | 0.000 | 2013 | |
| 011 | 9 | | | | | | 140 | 451724 | 0.000 | 2013 | |
| 012 | 5 | | | | | | 590 | 452314 | 0.000 | 2013 | |
| 012 | 6 | | | | | | 450 | 452764 | 0.000 | 2013 | |
| 012 | 7 | | | | | | 750 | 453514 | 0.000 | 2013 | |
| 013 | 1 | | | | | | 350 | 453864 | 0.000 | 2013 | |
| 016 | 2 | | | | | | 1292 | 455156 | 0.000 | 2013 | |
| 019 | 9 | | | | | | 2800 | 457956 | 0.000 | 2013 | |
| 019 | 10 | | | | | | 200 | 458156 | 0.000 | 2013 | |
| 021 | 3 | | | | | | 100 | 458256 | 0.000 | 2013 | |
| 022 | 3 | | | | | | 280 | 458536 | 0.000 | 2013 | |
| 023 | 2 | | | | | | 550 | 459086 | 0.000 | 2013 | |
| 025 | 3 | | | | | | 100 | 459186 | 0.000 | 2013 | |
| 029 | 10 | | | | | | 220 | 459406 | 0.000 | 2013 | |
| 030 | 5 | | | | | | 400 | 459806 | 0.000 | 2013 | |
| 030 | 6 | | | | | | 110 | 459916 | 0.000 | 2013 | |
| 030 | 7 | | | | | | 140 | 460056 | 0.000 | 2013 | |
| 031 | 13 | | | | | | 150 | 460206 | 0.000 | 2013 | |
| 033 | 1 | | | | | | 220 | 460426 | 0.000 | 2013 | |
| 037 | 4 | | | | | | 90 | 460516 | 0.000 | 2013 | |
| 041 | 7 | | | | | | 230 | 460746 | 0.000 | 2013 | |
| 046 | 1 | | | | | | 900 | 461646 | 0.000 | 2013 | |
| 047 | 1 | | | | | | 1700 | 463346 | 0.000 | 2013 | |
| 047 | 2 | | | | | | 200 | 463546 | 0.000 | 2013 | |
| 047 | 3 | | | | | | 490 | 464036 | 0.000 | 2013 | |
| 055 | 1 | | | | | | 150 | 464186 | 0.000 | 2013 | |
| 066 | 3 | | | | | | 400 | 464586 | 0.000 | 2013 | |
| 066 | 4 | | | | | | 140 | 464726 | 0.000 | 2013 | |
| 067 | 1 | | | | | | 150 | 464876 | 0.000 | 2013 | |
| 068 | 1 | | | | | | 250 | 465126 | 0.000 | 2013 | |
| 068 | 2 | | | | | | 190 | 465316 | 0.000 | 2013 | |
| 070 | 4 | | | | | | 250 | 465566 | 0.000 | 2013 | |
| 071 | 5 | | | | | | 300 | 465866 | 0.000 | 2013 | |
| 074 | 1 | | | | | | 250 | 466116 | 0.000 | 2013 | |
| 084 | 1 | | | | | | 10 | 466126 | 0.000 | 2013 | |

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|-----------|------------|----------------|-----------------------|--------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|----------|
| 085 | 4 | | | | | | 600 | 466726 | 0.000 | 2013 | |
| 086 | 3 | | | | | | 200 | 466926 | 0.000 | 2013 | |
| 087 | 3 | | | | | | 160 | 467086 | 0.000 | 2013 | |
| 088 | 1 | | | | | | 340 | 467426 | 0.000 | 2013 | |
| 091 | 2 | | | | | | 320 | 467746 | 0.000 | 2013 | |
| 092 | 2 | | | | | | 140 | 467886 | 0.000 | 2013 | |
| 092 | 3 | | | | | | 160 | 468046 | 0.000 | 2013 | |
| 094 | 2 | | | | | | 200 | 468246 | 0.000 | 2013 | |
| 095 | 2 | | | | | | 300 | 468546 | 0.000 | 2013 | |
| 096 | 1 | | | | | | 500 | 469046 | 0.000 | 2013 | |
| 099 | 4 | | | | | | 580 | 469626 | 0.000 | 2013 | |
| 099 | 5 | | | | | | 800 | 470426 | 0.000 | 2013 | |
| 100 | 2 | | | | | | 650 | 471076 | 0.000 | 2013 | |
| 102 | 4 | | | | | | 220 | 471296 | 0.000 | 2013 | |
| 103 | 6 | | | | | | 500 | 471796 | 0.000 | 2013 | |
| 103 | 10 | | | | | | 439 | 472235 | 0.000 | 2013 | |
| 104 | 4 | | | | | | 200 | 472435 | 0.000 | 2013 | |
| 104 | 6 | | | | | | 214 | 472649 | 0.000 | 2013 | |
| 104 | 8 | | | | | | 1500 | 474149 | 0.000 | 2013 | |
| 104 | 9 | | | | | | 400 | 474549 | 0.000 | 2013 | |
| 104 | 10 | | | | | | 200 | 474749 | 0.000 | 2013 | |
| 107 | 1 | | | | | | 300 | 475049 | 0.000 | 2013 | |
| 108 | 1 | | | | | | 500 | 475549 | 0.000 | 2013 | |
| 108 | 2 | | | | | | 250 | 475799 | 0.000 | 2013 | |
| 111 | 8 | | | | | | 510 | 476309 | 0.000 | 2013 | |
| 111 | 9 | | | | | | 340 | 476649 | 0.000 | 2013 | |
| 114 | 2 | | | | | | 170 | 476819 | 0.000 | 2013 | |
| 114 | 3 | | | | | | 150 | 476969 | 0.000 | 2013 | |
| 118 | 1 | | | | | | 300 | 477269 | 0.000 | 2013 | |
| 122 | 1 | | | | | | 282 | 477551 | 0.000 | 2013 | |
| 124 | 6 | | | | | | 170 | 477721 | 0.000 | 2013 | |
| 125 | 3 | | | | | | 1100 | 478821 | 0.000 | 2013 | |
| 127 | 1 | | | | | | 300 | 479121 | 0.000 | 2013 | |
| 129 | 5 | | | | | | 180 | 479301 | 0.000 | 2013 | |
| 130 | 7 | | | | | | 300 | 479601 | 0.000 | 2013 | |
| 130 | 12 | | | | | | 200 | 479801 | 0.000 | 2013 | |
| 130 | 13 | | | | | | 100 | 479901 | 0.000 | 2013 | |
| 130 | 14 | | | | | | 200 | 480101 | 0.000 | 2013 | |
| 131 | 8 | | | | | | 320 | 480421 | 0.000 | 2013 | |
| 131 | 9 | | | | | | 160 | 480581 | 0.000 | 2013 | |
| 131 | 10 | | | | | | 100 | 480681 | 0.000 | 2013 | |
| 131 | 11 | | | | | | 380 | 481061 | 0.000 | 2013 | |
| 133 | 2 | | | | | | 700 | 481761 | 0.000 | 2013 | |

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|-----------|------------|----------------|-----------------------|--------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|----------|
| 133 | 4 | | | | | | 160 | 481921 | 0.000 | 2013 | |
| 133 | 5 | | | | | | 650 | 482571 | 0.000 | 2013 | |
| 135 | 4 | | | | | | 220 | 482791 | 0.000 | 2013 | |
| 137 | 2 | | | | | | 500 | 483291 | 0.000 | 2013 | |
| 138 | 3 | | | | | | 120 | 483411 | 0.000 | 2013 | |
| 140 | 2 | | | | | | 200 | 483611 | 0.000 | 2013 | |
| 142 | 23 | | | | | | 800 | 484411 | 0.000 | 2013 | |
| 142 | 24 | | | | | | 140 | 484551 | 0.000 | 2013 | |
| 142 | 25 | | | | | | 200 | 484751 | 0.000 | 2013 | |
| 142 | 27 | | | | | | 150 | 484901 | 0.000 | 2013 | |
| 142 | 28 | | | | | | 200 | 485101 | 0.000 | 2013 | |
| 142 | 29 | | | | | | 300 | 485401 | 0.000 | 2013 | |
| 144 | 4 | | | | | | 100 | 485501 | 0.000 | 2013 | |
| 147 | 1 | | | | | | 50 | 485551 | 0.000 | 2013 | |
| 151 | 4 | | | | | | 550 | 486101 | 0.000 | 2013 | |
| 151 | 6 | | | | | | 150 | 486251 | 0.000 | 2013 | |
| 152 | 1 | | | | | | 75 | 486326 | 0.000 | 2013 | |
| 152 | 2 | | | | | | 150 | 486476 | 0.000 | 2013 | |
| 153 | 4 | | | | | | 600 | 487076 | 0.000 | 2013 | |
| 156 | 29 | | | | | | 100 | 487176 | 0.000 | 2013 | |
| 156 | 32 | | | | | | 800 | 487976 | 0.000 | 2013 | |
| 156 | 37 | | | | | | 200 | 488176 | 0.000 | 2013 | |
| 156 | 38 | | | | | | 100 | 488276 | 0.000 | 2013 | |
| 156 | 39 | | | | | | 50 | 488326 | 0.000 | 2013 | |
| 156 | 41 | | | | | | 140 | 488466 | 0.000 | 2013 | |
| 158 | 12 | | | | | | 75 | 488541 | 0.000 | 2013 | |
| 158 | 13 | | | | | | 700 | 489241 | 0.000 | 2013 | |
| 158 | 14 | | | | | | 180 | 489421 | 0.000 | 2013 | |
| 160 | 1 | | | | | | 300 | 489721 | 0.000 | 2013 | |
| 163 | 4 | | | | | | 125 | 489846 | 0.000 | 2013 | |
| 164 | 3 | | | | | | 150 | 489996 | 0.000 | 2013 | |
| 165 | 5 | | | | | | 250 | 490246 | 0.000 | 2013 | |
| 167 | 2 | | | | | | 100 | 490346 | 0.000 | 2013 | |
| 171 | 1 | | | | | | 225 | 490571 | 0.000 | 2013 | |
| 172 | 3 | | | | | | 130 | 490701 | 0.000 | 2013 | |
| 173 | 7 | | | | | | 400 | 491101 | 0.000 | 2013 | |
| 173 | 8 | | | | | | 400 | 491501 | 0.000 | 2013 | |
| 173 | 9 | | | | | | 250 | 491751 | 0.000 | 2013 | |
| 173 | 11 | | | | | | 450 | 492201 | 0.000 | 2013 | |
| 173 | 15 | | | | | | 300 | 492501 | 0.000 | 2013 | |
| 173 | 17 | | | | | | 250 | 492751 | 0.000 | 2013 | |
| 173 | 23 | | | | | | 900 | 493651 | 0.000 | 2013 | |
| 173 | 24 | | | | | | 2000 | 495651 | 0.000 | 2013 | |

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|-----------|------------|----------------|-----------------------|--------|-----------------------|---------------|-----------------|-----------------|-------------|--------------------------|----------|
| 173 | 25 | | | | | | 104 | 495755 | 0.000 | 2013 | |
| 173 | 27 | | | | | | 300 | 496055 | 0.000 | 2013 | |
| 173 | 29 | | | | | | 100 | 496155 | 0.000 | 2013 | |
| 176 | 1 | | | | | | 125 | 496280 | 0.000 | 2013 | |
| 179 | 2 | | | | | | 200 | 496480 | 0.000 | 2013 | |
| 182 | 6 | | | | | | 100 | 496580 | 0.000 | 2013 | |
| 184 | 1 | | | | | | 150 | 496730 | 0.000 | 2013 | |
| 184 | 5 | | | | | | 600 | 497330 | 0.000 | 2013 | |
| 186 | 6 | | | | | | 350 | 497680 | 0.000 | 2013 | |
| 186 | 10 | | | | | | 70 | 497750 | 0.000 | 2013 | |
| 186 | 11 | | | | | | 1200 | 498950 | 0.000 | 2013 | |
| 187 | 3 | | | | | | 375 | 499325 | 0.000 | 2013 | |
| 187 | 9 | | | | | | 300 | 499625 | 0.000 | 2013 | |
| 187 | 24 | | | | | | 990 | 500615 | 0.000 | 2013 | |
| 187 | 25 | | | | | | 21 | 500636 | 0.000 | 2013 | |
| 187 | 26 | | | | | | 80 | 500716 | 0.000 | 2013 | |
| 187 | 27 | | | | | | 180 | 500896 | 0.000 | 2013 | |
| 190 | 2 | | | | | | 700 | 501596 | 0.000 | 2013 | |
| 194 | 1 | | | | | | 300 | 501896 | 0.000 | 2013 | |
| 195 | 5 | | | | | | 200 | 502096 | 0.000 | 2013 | |
| 195 | 6 | | | | | | 135 | 502231 | 0.000 | 2013 | |
| 196 | 1 | | | | | | 200 | 502431 | 0.000 | 2013 | |
| 196 | 2 | | | | | | 250 | 502681 | 0.000 | 2013 | |
| 196 | 3 | | | | | | 200 | 502881 | 0.000 | 2013 | |
| 197 | 1 | | | | | | 250 | 503131 | 0.000 | 2013 | |
| 197 | 2 | | | | | | 50 | 503181 | 0.000 | 2013 | |
| 197 | 3 | | | | | | 200 | 503381 | 0.000 | 2013 | |
| 198 | 1 | | | | | | 1150 | 504531 | 0.000 | 2013 | |
| 199 | 1 | | | | | | 225 | 504756 | 0.000 | 2013 | |
| 199 | 2 | | | | | | 650 | 505406 | 0.000 | 2013 | |
| 199 | 3 | | | | | | 700 | 506106 | 0.000 | 2013 | |
| 201 | 4 | | | | | | 725 | 506831 | 0.000 | 2013 | |
| 201 | 5 | | | | | | 100 | 506931 | 0.000 | 2013 | |
| 201 | 7 | | | | | | 950 | 507881 | 0.000 | 2013 | |
| 204 | 2 | | | | | | 1300 | 509181 | 0.000 | 2013 | |
| 205 | 3 | | | | | | 250 | 509431 | 0.000 | 2013 | |
| 205 | 4 | | | | | | 100 | 509531 | 0.000 | 2013 | |
| 205 | 5 | | | | | | 650 | 510181 | 0.000 | 2013 | |
| 205 | 6 | | | | | | 350 | 510531 | 0.000 | 2013 | |
| 205 | 7 | | | | | | 300 | 510831 | 0.000 | 2013 | |
| 205 | 12 | | | | | | 300 | 511131 | 0.000 | 2013 | |
| 206 | 2 | | | | | | 100 | 511231 | 0.000 | 2013 | |
| 206 | 4 | | | | | | 500 | 511731 | 0.000 | 2013 | |

