

Agenda Item G.5.a.
Attachment 3
September 2011

Relationship between P* and the percent reduction of the OFL for deciding the 2013 and 2014 ABCs for category 1, 2, and 3 stocks based on sigma values of 0.36, 0.72, and 1.44, respectively.

| P* | Assessment Uncertainty (σ) | | |
|------|-------------------------------------|----------------|----------------|
| | Cat. 1 0.36 | Cat. 2 0.72 | Cat. 3 1.44 |
| 0.45 | 4.4% | 8.7% | 16.6% |
| 0.44 | 5.3% | 10.3% | 19.5% |
| 0.43 | 6.2% | 11.9% | 22.4% |
| 0.42 | 7.0% | 13.5% | 25.2% |
| 0.41 | 7.9% | 15.1% | 27.9% |
| 0.4 | 8.7% | 16.7% | 30.6% |
| 0.39 | 9.6% | 18.2% | 33.1% |
| 0.38 | 10.4% | 19.7% | 35.6% |
| 0.37 | 11.3% | 21.3% | 38.0% |
| 0.36 | 12.1% | 22.7% | 40.3% |
| 0.35 | 13.0% | 24.2% | 42.6% |
| 0.34 | 13.8% | 25.7% | 44.8% |
| 0.33 | 14.6% | 27.1% | 46.9% |
| 0.32 | 15.5% | 28.6% | 49.0% |
| 0.31 | 16.3% | 30.0% | 51.0% |
| 0.3 | 17.2% | 31.4% | 53.0% |
| 0.29 | 18.1% | 32.9% | 54.9% |
| 0.28 | 18.9% | 34.3% | 56.8% |
| 0.27 | 19.8% | 35.7% | 58.6% |
| 0.26 | 20.7% | 37.1% | 60.4% |
| 0.25 | 21.6% | 38.5% | 62.1% |
| 0.24 | 22.5% | 39.9% | 63.8% |
| 0.23 | 23.4% | 41.3% | 65.5% |
| 0.22 | 24.3% | 42.6% | 67.1% |
| 0.21 | 25.2% | 44.0% | 68.7% |
| 0.2 | 26.1% | 45.4% | 70.2% |
| 0.19 | 27.1% | 46.9% | 71.8% |
| 0.18 | 28.1% | 48.3% | 73.2% |
| 0.17 | 29.1% | 49.7% | 74.7% |
| 0.16 | 30.1% | 51.1% | 76.1% |
| 0.15 | 31.1% | 52.6% | 77.5% |
| 0.14 | 32.2% | 54.1% | 78.9% |
| 0.13 | 33.3% | 55.6% | 80.2% |
| 0.12 | 34.5% | 57.1% | 81.6% |
| 0.11 | 35.7% | 58.7% | 82.9% |
| 0.1 | 37.0% | 60.3% | 84.2% |
| 0.09 | 38.3% | 61.9% | 85.5% |
| 0.08 | 39.7% | 63.6% | 86.8% |
| 0.07 | 41.2% | 65.4% | 88.1% |
| 0.06 | 42.9% | 67.4% | 89.3% |
| 0.05 | 44.7% | 69.4% | 90.6% |