

# **Framework Adjustment 48**

## **Errata**

### **Revised Economic Impact Summary Tables**

**December 18, 2012**

Changes: (1) Corrected errors in summary of FY 2011 effort metrics  
(2) Added FY 2010 data to provide additional context



**Table 155 – Predicted groundfish catch and gross groundfish revenues by homeport state and port under Scenario 1**

|                        | FY 2010         | FY 2011         | FY 2012 (predicted) |                 | FY 2013 (predicted) |                 |
|------------------------|-----------------|-----------------|---------------------|-----------------|---------------------|-----------------|
|                        | Ex-vessel value | Ex-vessel value | Catch (lbs)         | Ex-vessel value | Catch (lbs)         | Ex-vessel value |
| <b>Connecticut</b>     | \$ 35,081       | \$ 46,646       |                     |                 | 14,740              | \$ 16,728       |
| <b>Massachusetts</b>   | \$ 58,006,800   | \$ 64,605,304   | 37,745,896          | \$ 52,731,815   | 26,888,308          | \$ 33,430,444   |
| <i>Boston</i>          | \$ 14,251,495   | \$ 17,458,607   | 9,400,935           | \$ 12,688,230   | 7,826,585           | \$ 9,675,597    |
| <i>Chatham</i>         | \$ 2,482,876    | \$ 2,582,201    | 533,255             | \$ 871,214      | 396,676             | \$ 536,888      |
| <i>Gloucester</i>      | \$ 16,224,983   | \$ 16,807,126   | 12,103,185          | \$ 15,696,738   | 8,423,172           | \$ 9,052,827    |
| <i>New Bedford</i>     | \$ 18,149,740   | \$ 20,387,478   | 11,020,427          | \$ 16,061,394   | 8,236,606           | \$ 11,645,324   |
| <b>Maine</b>           | \$ 14,470,489   | \$ 14,599,316   | 17,064,192          | \$ 17,246,295   | 13,067,876          | \$ 12,762,264   |
| <i>Portland</i>        | \$ 10,269,562   | \$ 9,683,130    | 12,024,665          | \$ 10,888,071   | 10,166,050          | \$ 9,237,261    |
| <b>New Hampshire</b>   | \$ 3,347,576    | \$ 4,673,318    | 4,009,801           | \$ 5,245,415    | 2,713,324           | \$ 2,837,721    |
| <b>New Jersey</b>      | \$ 97,897       | \$ 66,667       |                     |                 |                     |                 |
| <b>New York</b>        | \$ 909,309      | \$ 1,262,452    | 489,937             | \$ 840,959      | 367,878             | \$ 606,016      |
| <b>Rhode Island</b>    | \$ 3,123,923    | \$ 3,144,732    | 648,535             | \$ 1,177,741    | 1,436,451           | \$ 1,720,553    |
| <i>Point Judith</i>    | \$ 2,412,589    | \$ 2,284,227    | 430,807             | \$ 767,716      | 1,210,981           | \$ 1,387,205    |
| <b>Other Northeast</b> | \$ 511,277      | \$ 365,959      | 102,526             | \$ 161,131      | 78,015              | \$ 125,378      |
| <b>TOTAL</b>           | \$ 80,502,351   | \$ 88,764,394   | 60,062,999          | \$ 77,405,622   | 44,566,590          | \$ 51,499,103   |

**Table 156 – Groundfish catch and gross groundfish revenues by length class under Scenario 1**

| Length class | FY 2010       | FY 2011       | FY 2012 (predicted) |  | FY 2013 (predicted) |
|--------------|---------------|---------------|---------------------|--|---------------------|
| <30'         | \$ 16,485,506 | \$ 496,779    | \$ 227,095          |  | \$ 21,182           |
| 30'to<50'    | \$ 24,689,727 | \$ 18,835,175 | \$ 21,245,400       |  | \$ 9,585,623        |
| 50'to<75'    | \$ 39,225,644 | \$ 28,294,806 | \$ 25,304,566       |  | \$ 16,550,231       |
| 75'+         | \$ 107,682    | \$ 41,142,431 | \$ 30,751,684       |  | \$ 25,645,223       |
| <b>TOTAL</b> | \$ 80,508,560 | \$ 88,769,191 | \$ 77,528,744       |  | \$ 51,781,077       |

**Table 157 – Predicted outcomes under Scenario 1 based on 100 model realizations (\$ millions)**

|                            |                            | Gross revenue | Gross groundfish revenue | Net revenue | Total variable cost | Trip cost | Quota cost | Crew days | Days Absent | Number trips |
|----------------------------|----------------------------|---------------|--------------------------|-------------|---------------------|-----------|------------|-----------|-------------|--------------|
| <b>FY 2013 (predicted)</b> | <b>FY 2010</b>             | \$ 95.8       | \$ 80.5                  | \$ 53.3     | \$ 42.5             | \$ 20.7   | \$ 21.8    | 55,992    | 16,023      | 9,738        |
|                            | <b>FY 2011</b>             | \$ 109.8      | \$ 88.8                  | \$ 53.5     | \$ 56.6             | \$ 29.2   | \$ 27.5    | 65,450    | 18,773      | 11,741       |
|                            | <b>FY 2012 (predicted)</b> | \$ 94.5       | \$ 77.5                  | \$ 57.0     | \$ 37.7             | \$ 17.1   | \$ 20.6    | 58,125    | 17,563      | 12,536       |
|                            | MIN                        | \$ 65.8       | \$ 48.6                  | \$ 43.2     | \$ 22.5             | \$ 12.0   | \$ 10.3    | 42,273    | 12,008      | 6,334        |
|                            | MAX                        | \$ 75.6       | \$ 54.0                  | \$ 49.4     | \$ 26.7             | \$ 15.2   | \$ 11.6    | 144,397   | 45,054      | 7,482        |
|                            | <b>MEAN</b>                | \$ 70.7       | \$ 51.8                  | \$ 46.4     | \$ 24.5             | \$ 13.4   | \$ 11.1    | 47,066    | 13,449      | 6,848        |
|                            | STD                        | \$ 2.2        | \$ 1.3                   | \$ 1.4      | \$ 0.9              | \$ 0.6    | \$ 0.3     | 9,881     | 3,205       | 235          |
|                            | % change FY10              | -26%          | -36%                     | -13%        | -42%                | -35%      | -49%       | -16%      | -16%        | -30%         |
| % change FY11              | -36%                       | -42%          | -13%                     | -57%        | -54%                | -60%      | -28%       | -28%      | -42%        |              |
| % change FY12(p)           | -25%                       | -33%          | -19%                     | -35%        | -21%                | -46%      | -19%       | -23%      | -45%        |              |

**Table 159 - Predicted groundfish catch and gross groundfish revenues by homeport state and port under Scenario 2**

|                        | FY 2010         | FY 2011         | FY 2012 (predicted) |                 | FY 2013 (predicted) |                 |
|------------------------|-----------------|-----------------|---------------------|-----------------|---------------------|-----------------|
|                        | Ex-vessel value | Ex-vessel value | Catch (lbs)         | Ex-vessel value | Catch (lbs)         | Ex-vessel value |
| <b>Connecticut</b>     | \$ 35,081       | \$ 46,646       |                     |                 | 13,275              | \$ 15,309       |
| <b>Massachusetts</b>   | \$ 58,006,800   | \$ 64,605,304   | 37,745,896          | \$ 52,731,815   | 27,787,821          | \$ 35,289,956   |
| <i>Boston</i>          | \$ 14,251,495   | \$ 17,458,607   | 9,400,935           | \$ 12,688,230   | 7,934,497           | \$ 9,979,575    |
| <i>Chatham</i>         | \$ 2,482,876    | \$ 2,582,201    | 533,255             | \$ 871,214      | 378,688             | \$ 502,470      |
| <i>Gloucester</i>      | \$ 16,224,983   | \$ 16,807,126   | 12,103,185          | \$ 15,696,738   | 8,622,503           | \$ 9,613,484    |
| <i>New Bedford</i>     | \$ 18,149,740   | \$ 20,387,478   | 11,020,427          | \$ 16,061,394   | 8,575,337           | \$ 12,108,505   |
| <b>Maine</b>           | \$ 14,470,489   | \$ 14,599,316   | 17,064,192          | \$ 17,246,295   | 12,883,413          | \$ 12,664,845   |
| <i>Portland</i>        | \$ 10,269,562   | \$ 9,683,130    | 12,024,665          | \$ 10,888,071   | 9,766,804           | \$ 8,828,130    |
| <b>New Hampshire</b>   | \$ 3,347,576    | \$ 4,673,318    | 4,009,801           | \$ 5,245,415    | 3,954,759           | \$ 4,260,959    |
| <b>New Jersey</b>      | \$ 97,897       | \$ 66,667       |                     |                 |                     |                 |
| <b>New York</b>        | \$ 909,309      | \$ 1,262,452    | 489,937             | \$ 840,959      | 428,673             | \$ 658,305      |
| <b>Rhode Island</b>    | \$ 3,123,923    | \$ 3,144,732    | 648,535             | \$ 1,177,741    | 1,506,346           | \$ 1,891,928    |
| <i>Point Judith</i>    | \$ 2,412,589    | \$ 2,284,227    | 430,807             | \$ 767,716      | 1,219,343           | \$ 1,437,250    |
| <b>Other Northeast</b> | \$ 511,277      | \$ 365,959      | 102,526             | \$ 161,131      | 52,614              | \$ 96,184       |
| <b>TOTAL</b>           | \$ 80,502,351   | \$ 88,764,394   | 60,062,999          | \$ 77,405,622   | 46,626,899          | \$ 54,877,487   |

**Table 160 - Groundfish catch and gross groundfish revenues by length class under Scenario 2**

| Length class | FY 2010       | FY 2011       | FY 2012 (predicted) | FY 2013 (predicted) |
|--------------|---------------|---------------|---------------------|---------------------|
| <30'         | \$ 16,485,506 | \$ 496,779    | \$ 227,095          | \$ 30,275           |
| 30'to<50'    | \$ 24,689,727 | \$ 18,835,175 | \$ 21,245,400       | \$ 11,622,739       |
| 50'to<75'    | \$ 39,225,644 | \$ 28,294,806 | \$ 25,304,566       | \$ 17,461,018       |
| 75'+         | \$ 107,682    | \$ 41,142,431 | \$ 30,751,684       | \$ 25,668,404       |
| <b>TOTAL</b> | \$ 80,508,560 | \$ 88,769,191 | \$ 77,528,744       | \$ 54,752,161       |

**Table 161 - Predicted outcomes under Scenario 2 based on 100 model realizations (\$ millions)**

|                                |                                | Gross revenue | Gross groundfish revenue | Net revenue | Variable cost | Trip cost | Quota cost | Crew days     | Days Absent   | Number trips |
|--------------------------------|--------------------------------|---------------|--------------------------|-------------|---------------|-----------|------------|---------------|---------------|--------------|
| <b>FY 2013<br/>(predicted)</b> | <b>FY 2010</b>                 | \$ 95.8       | \$ 80.5                  | \$ 53.3     | \$ 42.5       | \$ 20.7   | \$ 21.8    | 55,992        | 16,023        | 9,738        |
|                                | <b>FY 2011</b>                 | \$ 109.8      | \$ 88.8                  | \$ 53.5     | \$ 56.6       | \$ 29.2   | \$ 27.5    | 65,450        | 18,773        | 11,741       |
|                                | <b>FY 2012<br/>(predicted)</b> | \$ 94.5       | \$ 77.5                  | \$ 57.0     | \$ 37.7       | \$ 17.1   | \$ 20.6    | 58,125        | 17,563        | 12,536       |
|                                | MIN                            | \$ 67.1       | \$ 49.8                  | \$ 43.9     | \$ 23.3       | \$ 12.2   | \$ 11.0    | 43,160        | 12,462        | 6,951        |
|                                | MAX                            | \$ 79.1       | \$ 58.2                  | \$ 50.9     | \$ 28.3       | \$ 15.5   | \$ 12.9    | 140,149       | 43,779        | 7,943        |
|                                | <b>MEAN</b>                    | \$ 73.1       | \$ 54.8                  | \$ 47.4     | \$ 25.8       | \$ 13.8   | \$ 12.0    | <b>48,023</b> | <b>13,756</b> | <b>7,514</b> |
|                                | STD                            | \$ 2.2        | \$ 1.6                   | \$ 1.4      | \$ 0.9        | \$ 0.6    | \$ 0.3     | 9,413         | 3,055         | 178          |
| <i>% change FY10</i>           |                                | -24%          | -32%                     | -11%        | -39%          | -34%      | -45%       | -14%          | -14%          | -23%         |
| <i>% change FY11</i>           |                                | -33%          | -38%                     | -11%        | -54%          | -53%      | -56%       | -27%          | -27%          | -36%         |
| <i>% change FY12(p)</i>        |                                | -23%          | -29%                     | -17%        | -31%          | -20%      | -41%       | -17%          | -22%          | -40%         |

**Table 163 - Predicted groundfish catch and gross groundfish revenues by homeport state and port under Scenario 3**

|                        | FY 2010         | FY 2011         | FY 2012 (predicted) |                 | FY 2013 (predicted) |                 |
|------------------------|-----------------|-----------------|---------------------|-----------------|---------------------|-----------------|
|                        | Ex-vessel value | Ex-vessel value | Catch (lbs)         | Ex-vessel value | Catch (lbs)         | Ex-vessel value |
| <b>Connecticut</b>     | \$ 35,081       | \$ 46,646       |                     |                 | 14,186              | \$ 15,526       |
| <b>Massachusetts</b>   | \$ 58,006,800   | \$ 64,605,304   | 37,745,896          | \$ 52,731,815   | 30,388,151          | \$ 38,862,928   |
| <i>Boston</i>          | \$ 14,251,495   | \$ 17,458,607   | 9,400,935           | \$ 12,688,230   | 8,937,797           | \$ 11,418,789   |
| <i>Chatham</i>         | \$ 2,482,876    | \$ 2,582,201    | 533,255             | \$ 871,214      | 563,769             | \$ 860,064      |
| <i>Gloucester</i>      | \$ 16,224,983   | \$ 16,807,126   | 12,103,185          | \$ 15,696,738   | 8,815,985           | \$ 9,689,634    |
| <i>New Bedford</i>     | \$ 18,149,740   | \$ 20,387,478   | 11,020,427          | \$ 16,061,394   | 9,950,867           | \$ 14,042,396   |
| <b>Maine</b>           | \$ 14,470,489   | \$ 14,599,316   | 17,064,192          | \$ 17,246,295   | 12,718,394          | \$ 12,502,143   |
| <i>Portland</i>        | \$ 10,269,562   | \$ 9,683,130    | 12,024,665          | \$ 10,888,071   | 9,829,736           | \$ 9,001,385    |
| <b>New Hampshire</b>   | \$ 3,347,576    | \$ 4,673,318    | 4,009,801           | \$ 5,245,415    | 2,647,843           | \$ 2,767,620    |
| <b>New Jersey</b>      | \$ 97,897       | \$ 66,667       |                     |                 |                     |                 |
| <b>New York</b>        | \$ 909,309      | \$ 1,262,452    | 489,937             | \$ 840,959      | 382,753             | \$ 609,945      |
| <b>Rhode Island</b>    | \$ 3,123,923    | \$ 3,144,732    | 648,535             | \$ 1,177,741    | 1,634,639           | \$ 2,051,794    |
| <i>Point Judith</i>    | \$ 2,412,589    | \$ 2,284,227    | 430,807             | \$ 767,716      | 1,369,708           | \$ 1,651,953    |
| <b>Other Northeast</b> | \$ 511,277      | \$ 365,959      | 102,526             | \$ 161,131      | 52,621              | \$ 96,184       |
| <b>TOTAL</b>           | \$ 80,502,351   | \$ 88,764,394   | 60,062,999          | \$ 77,405,622   | 47,838,588          | \$ 56,906,139   |

**Table 164 - Groundfish catch and gross groundfish revenues by length class under Scenario 3**

| Length class | FY 2010       | FY 2011       | FY 2012 (predicted) | FY 2013 (predicted) |
|--------------|---------------|---------------|---------------------|---------------------|
| <30'         | \$ 16,485,506 | \$ 496,779    | \$ 227,095          | \$ 19,099           |
| 30'to<50'    | \$ 24,689,727 | \$ 18,835,175 | \$ 21,245,400       | \$ 9,910,576        |
| 50'to<75'    | \$ 39,225,644 | \$ 28,294,806 | \$ 25,304,566       | \$ 17,828,999       |
| 75'+         | \$ 107,682    | \$ 41,142,431 | \$ 30,751,684       | \$ 29,378,264       |
| <b>TOTAL</b> | \$ 80,508,560 | \$ 88,769,191 | \$ 77,528,744       | \$ 57,117,839       |

**Table 165 - Predicted outcomes under Scenario 3 based on 100 model realizations (\$ millions)**

|                                |                                | Gross revenue | Gross groundfish revenue | Net revenue | Variable cost | Trip cost | Quota cost | Crew days | Days Absent | Number trips |
|--------------------------------|--------------------------------|---------------|--------------------------|-------------|---------------|-----------|------------|-----------|-------------|--------------|
| <b>FY 2013<br/>(predicted)</b> | <b>FY 2010</b>                 | \$ 95.8       | \$ 80.5                  | \$ 53.3     | \$ 42.5       | \$ 20.7   | \$ 21.8    | 55,992    | 16,023      | 9,738        |
|                                | <b>FY 2011</b>                 | \$ 109.8      | \$ 88.8                  | \$ 53.5     | \$ 56.6       | \$ 29.2   | \$ 27.5    | 65,450    | 18,773      | 11,741       |
|                                | <b>FY 2012<br/>(predicted)</b> | \$ 94.5       | \$ 77.5                  | \$ 57.0     | \$ 37.7       | \$ 17.1   | \$ 20.6    | 58,125    | 17,563      | 12,536       |
|                                | MIN                            | \$ 67.8       | \$ 51.0                  | \$ 43.6     | \$ 24.2       | \$ 13.1   | \$ 11.0    | 43,533    | 12,342      | 6,445        |
|                                | MAX                            | \$ 83.4       | \$ 62.9                  | \$ 54.0     | \$ 30.4       | \$ 16.6   | \$ 13.9    | 139,489   | 43,834      | 7,618        |
|                                | <b>MEAN</b>                    | \$ 76.3       | \$ 57.1                  | \$ 48.9     | \$ 27.6       | \$ 15.0   | \$ 12.6    | 50,282    | 14,211      | 7,006        |
|                                | STD                            | \$ 3.8        | \$ 2.9                   | \$ 2.4      | \$ 1.5        | \$ 0.9    | \$ 0.7     | 9,271     | 3,054       | 294          |
|                                | <i>% change FY10</i>           | -20%          | -29%                     | -8%         | -35%          | -28%      | -42%       | -10%      | -11%        | -28%         |
| <i>% change FY11</i>           | -31%                           | -36%          | -9%                      | -51%        | -49%          | -54%      | -23%       | -24%      | -40%        |              |
| <i>% change FY12(p)</i>        | -19%                           | -26%          | -14%                     | -27%        | -12%          | -39%      | -13%       | -19%      | -44%        |              |



**Table 167 - Predicted groundfish catch and gross groundfish revenues by homeport state and port under Scenario 4**

|                        | FY 2010         | FY 2011         | FY 2012 (predicted) |                 | FY 2013 (predicted) |                 |
|------------------------|-----------------|-----------------|---------------------|-----------------|---------------------|-----------------|
|                        | Ex-vessel value | Ex-vessel value | Catch (lbs)         | Ex-vessel value | Catch (lbs)         | Ex-vessel value |
| <b>Connecticut</b>     | \$ 35,081       | \$ 46,646       |                     |                 | 13,218              | \$ 15,538       |
| <b>Massachusetts</b>   | \$ 58,006,800   | \$ 64,605,304   | 37,745,896          | \$ 52,731,815   | 33,950,729          | \$ 43,978,007   |
| <i>Boston</i>          | \$ 14,251,495   | \$ 17,458,607   | 9,400,935           | \$ 12,688,230   | 9,579,508           | \$ 12,407,116   |
| <i>Chatham</i>         | \$ 2,482,876    | \$ 2,582,201    | 533,255             | \$ 871,214      | 646,894             | \$ 988,514      |
| <i>Gloucester</i>      | \$ 16,224,983   | \$ 16,807,126   | 12,103,185          | \$ 15,696,738   | 9,658,836           | \$ 10,877,357   |
| <i>New Bedford</i>     | \$ 18,149,740   | \$ 20,387,478   | 11,020,427          | \$ 16,061,394   | 11,243,816          | \$ 15,947,845   |
| <b>Maine</b>           | \$ 14,470,489   | \$ 14,599,316   | 17,064,192          | \$ 17,246,295   | 13,235,968          | \$ 13,142,898   |
| <i>Portland</i>        | \$ 10,269,562   | \$ 9,683,130    | 12,024,665          | \$ 10,888,071   | 10,092,580          | \$ 9,232,872    |
| <b>New Hampshire</b>   | \$ 3,347,576    | \$ 4,673,318    | 4,009,801           | \$ 5,245,415    | 2,406,351           | \$ 2,945,118    |
| <b>New Jersey</b>      | \$ 97,897       | \$ 66,667       |                     |                 |                     |                 |
| <b>New York</b>        | \$ 909,309      | \$ 1,262,452    | 489,937             | \$ 840,959      | 408,411             | \$ 638,360      |
| <b>Rhode Island</b>    | \$ 3,123,923    | \$ 3,144,732    | 648,535             | \$ 1,177,741    | 2,047,326           | \$ 2,640,920    |
| <i>Point Judith</i>    | \$ 2,412,589    | \$ 2,284,227    | 430,807             | \$ 767,716      | 1,659,248           | \$ 2,037,111    |
| <b>Other Northeast</b> | \$ 511,277      | \$ 365,959      | 102,526             | \$ 161,131      | 76,590              | \$ 124,222      |
| <b>TOTAL</b>           | \$ 80,502,351   | \$ 88,764,394   | 60,062,999          | \$ 77,405,622   | 52,138,594          | \$ 63,485,063   |

**Table 168 - Groundfish catch and gross groundfish revenues by length class under Scenario 4**

| Length class | FY 2010       | FY 2011       | FY 2012 (predicted) | FY 2013 (predicted) |
|--------------|---------------|---------------|---------------------|---------------------|
| <30'         | \$ 16,485,506 | \$ 496,779    | \$ 227,095          | \$ 32,295           |
| 30'to<50'    | \$ 24,689,727 | \$ 18,835,175 | \$ 21,245,400       | \$ 11,295,467       |
| 50'to<75'    | \$ 39,225,644 | \$ 28,294,806 | \$ 25,304,566       | \$ 20,315,781       |
| 75'+         | \$ 107,682    | \$ 41,142,431 | \$ 30,751,684       | \$ 31,848,418       |
| <b>TOTAL</b> | \$ 80,508,560 | \$ 88,769,191 | \$ 77,528,744       | \$ 63,459,667       |

**Table 169 - Predicted outcomes under Scenario 4 based on 100 model realizations (\$ millions)**

|                            |                            | Gross revenue | Gross groundfish revenue | Net revenue | Variable cost | Trip cost | Quota cost | Crew days | Days Absent | Number trips |
|----------------------------|----------------------------|---------------|--------------------------|-------------|---------------|-----------|------------|-----------|-------------|--------------|
|                            | <b>FY 2010</b>             | \$ 95.8       | \$ 80.5                  | \$ 53.3     | \$ 42.5       | \$ 20.7   | \$ 21.8    | 55,992    | 16,023      | 9,738        |
|                            | <b>FY 2011</b>             | \$ 109.8      | \$ 88.8                  | \$ 53.5     | \$ 56.6       | \$ 29.2   | \$ 27.5    | 65,450    | 18,773      | 11,741       |
|                            | <b>FY 2012 (predicted)</b> | \$ 94.5       | \$ 77.5                  | \$ 57.0     | \$ 37.7       | \$ 17.1   | \$ 20.6    | 58,125    | 17,563      | 12,536       |
| <b>FY 2013 (predicted)</b> | MIN                        | \$ 62.1       | \$ 47.5                  | \$ 38.8     | \$ 23.4       | \$ 12.6   | \$ 10.8    | 39,973    | 11,368      | 6,123        |
|                            | MAX                        | \$ 92.2       | \$ 71.1                  | \$ 58.5     | \$ 34.2       | \$ 18.5   | \$ 16.2    | 134,844   | 42,463      | 8,964        |
|                            | <b>MEAN</b>                | \$ 83.4       | \$ 63.5                  | \$ 52.6     | \$ 30.9       | \$ 16.6   | \$ 14.3    | 54,169    | 15,375      | 7,941        |
|                            | STD                        | \$ 5.1        | \$ 3.8                   | \$ 3.2      | \$ 1.9        | \$ 1.1    | \$ 0.8     | 8,801     | 2,878       | 442          |
|                            | <i>% change FY10</i>       | -13%          | -21%                     | -1%         | -27%          | -20%      | -34%       | -3%       | -4%         | -18%         |
|                            | <i>% change FY11</i>       | -24%          | -28%                     | -2%         | -45%          | -43%      | -48%       | -17%      | -18%        | -32%         |
|                            | <i>% change FY12(p)</i>    | -12%          | -18%                     | -8%         | -18%          | -3%       | -30%       | -7%       | -12%        | -37%         |