**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 17929 | 4/26/2011 | 1.2 | MGT | Termination |
| 100046352 | 4/27/2011 | 6.4 | MGT | Termination |
| 17677 | 4/27/2011 | 1.7 | MGT | Termination |
| 100034301 | 4/29/2011 | 36.9 | MGT | Retirement |
| 100033599 | 4/29/2011 | 38.9 | MGT | Retirement |
| 100030599 | 4/29/2011 | 35.6 | MGT | Retirement |
| 100028472 | 4/29/2011 | 25.2 | MGT | Retirement |
| 100027580 | 4/29/2011 | 34.6 | MGT | Retirement |
| 100021426 | 4/29/2011 | 51.8 | MGT | Retirement |
| 100016603 | 4/29/2011 | 28.8 | MGT | Retirement |
| 100015615 | 4/29/2011 | 37.9 | MGT | Retirement |
| 100011869 | 4/29/2011 | 30.8 | MGT | Retirement |
| 100010084 | 4/29/2011 | 31.8 | MGT | Retirement |
| 100008650 | 4/29/2011 | 40.6 | MGT | Retirement |
| 100006408 | 4/29/2011 | 21.3 | MGT | Retirement |
| 100005572 | 4/29/2011 | 42.3 | MGT | Retirement |
| 100003063 | 4/29/2011 | 30.8 | MGT | Retirement |
| 100000062 | 4/29/2011 | 41.8 | MGT | Retirement |
| 100711667 | 4/29/2011 | 1.1 | MGT | Termination |
| 100048717 | 4/29/2011 | 14.0 | MGT | Termination |
| 100048691 | 4/29/2011 | 33.0 | MGT | Termination |
| 100046830 | 4/29/2011 | 5.7 | MGT | Termination |
| 100034425 | 4/29/2011 | 11.7 | MGT | Termination |
| 100021228 | 4/29/2011 | 21.9 | MGT | Termination |
| 100021110 | 4/29/2011 | 25.9 | MGT | Termination |
| 100019914 | 4/29/2011 | 7.7 | MGT | Termination |
| 100019573 | 4/29/2011 | 13.5 | MGT | Termination |
| 100019151 | 4/29/2011 | 9.0 | MGT | Termination |
| 100008629 | 4/29/2011 | 26.9 | MGT | Termination |
| 100001467 | 4/29/2011 | 24.7 | MGT | Termination |
| 100000414 | 4/29/2011 | 24.7 | MGT | Termination |
| 24842 | 4/29/2011 | 22.3 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 24233 | 4/29/2011 | 13.3 | MGT | Termination |
| 17477 | 4/29/2011 | 2.4 | MGT | Termination |
| 17364 | 4/29/2011 | 1.7 | MGT | Termination |
| 16709 | 4/29/2011 | 2.7 | MGT | Termination |
| 16050 | 4/29/2011 | 3.2 | MGT | Termination |
| 13911 | 4/29/2011 | 6.9 | MGT | Termination |
| 100048537 | 4/30/2011 | 38.0 | MGT | Retirement |
| 100048286 | 4/30/2011 | 17.2 | MGT | Retirement |
| 100024579 | 4/30/2011 | 40.1 | MGT | Retirement |
| 100023894 | 4/30/2011 | 37.7 | MGT | Retirement |
| 100019330 | 4/30/2011 | 32.9 | MGT | Retirement |
| 100010056 | 4/30/2011 | 30.7 | MGT | Retirement |
| 100007470 | 4/30/2011 | 32.2 | MGT | Retirement |
| 100005966 | 4/30/2011 | 25.0 | MGT | Retirement |
| 22326 | 4/30/2011 | 38.9 | MGT | Retirement |
| 21653 | 4/30/2011 | 40.6 | MGT | Retirement |
| 16146 | 4/30/2011 | 42.8 | MGT | Retirement |
| 13308 | 4/30/2011 | 43.8 | MGT | Retirement |
| 10000 | 4/30/2011 | 37.4 | MGT | Retirement |
| 08257 | 4/30/2011 | 39.7 | MGT | Retirement |
| 03322 | 4/30/2011 | 30.4 | MGT | Retirement |
| 01764 | 4/30/2011 | 32.9 | MGT | Retirement |
| 01442 | 4/30/2011 | 34.7 | MGT | Retirement |
| 100711620 | 4/30/2011 | 1.2 | MGT | Termination |
| 100052925 | 5/1/2011 | 3.1 | MGT | Termination |
| 100007820 | 5/3/2011 | 22.2 | MGT | Termination |
| 100050849 | 5/4/2011 | 4.0 | MGT | Termination |
| 100711451 | 5/6/2011 | 1.7 | MGT | Termination |
| 100046981 | 5/6/2011 | 5.3 | MGT | Termination |
| 18730 | 5/6/2011 | 11.9 | MGT | Termination |
| 16672 | 5/9/2011 | 2.8 | MGT | Termination |
| 16716 | 5/12/2011 | 2.7 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100030637 | 5/13/2011 | 12.9 | MGT | Termination |
| 100020063 | 5/16/2011 | 26.9 | MGT | Termination |
| 100017862 | 5/18/2011 | 11.0 | MGT | Termination |
| 100004089 | 5/18/2011 | 23.8 | MGT | Termination |
| 17106 | 5/18/2011 | 2.7 | MGT | Termination |
| 100711301 | 5/19/2011 | 2.0 | MGT | Termination |
| 11721 | 5/19/2011 | 9.6 | MGT | Termination |
| 100713368 | 5/20/2011 | 1.8 | MGT | Termination |
| 100029525 | 5/20/2011 | 9.9 | MGT | Termination |
| 100711693 | 5/23/2011 | 1.1 | MGT | Termination |
| 100017569 | 5/23/2011 | 30.7 | MGT | Termination |
| 25253 | 5/23/2011 | 13.1 | MGT | Termination |
| 20344 | 5/23/2011 | 20.4 | MGT | Termination |
| 100034426 | 5/24/2011 | 33.8 | MGT | Retirement |
| 100713124 | 5/24/2011 | 2.4 | MGT | Termination |
| 100034939 | 5/24/2011 | 4.0 | MGT | Termination |
| 12415 | 5/24/2011 | 8.6 | MGT | Termination |
| 08455 | 5/24/2011 | 24.9 | MGT | Termination |
| 100002964 | 5/26/2011 | 17.7 | MGT | Retirement |
| 100055112 | 5/26/2011 | 2.6 | MGT | Termination |
| 100019695 | 5/26/2011 | 30.3 | MGT | Termination |
| 100011061 | 5/26/2011 | 26.0 | MGT | Termination |
| 18019 | 5/26/2011 | 1.2 | MGT | Termination |
| 17593 | 5/26/2011 | 2.1 | MGT | Termination |
| 16495 | 5/26/2011 | 2.7 | MGT | Termination |
| 100001866 | 5/27/2011 | 41.1 | MGT | Retirement |
| 100000881 | 5/27/2011 | 29.9 | MGT | Retirement |
| 100053476 | 5/27/2011 | 3.0 | MGT | Termination |
| 63899 | 5/31/2011 | 33.6 | MGT | Death |
| 100046576 | 5/31/2011 | 6.4 | MGT | Retirement |
| 100021364 | 5/31/2011 | 28.9 | MGT | Retirement |
| 100009386 | 5/31/2011 | 20.9 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100006252 | 5/31/2011 | 22.2 | MGT | Retirement |
| 100005763 | 5/31/2011 | 24.6 | MGT | Retirement |
| 96430 | 5/31/2011 | 43.0 | MGT | Retirement |
| 49092 | 5/31/2011 | 19.5 | MGT | Retirement |
| 43358 | 5/31/2011 | 42.0 | MGT | Retirement |
| 35265 | 5/31/2011 | 46.8 | MGT | Retirement |
| 21593 | 5/31/2011 | 41.6 | MGT | Retirement |
| 21510 | 5/31/2011 | 40.2 | MGT | Retirement |
| 04058 | 5/31/2011 | 29.4 | MGT | Retirement |
| 03914 | 5/31/2011 | 21.8 | MGT | Retirement |
| 100711719 | 5/31/2011 | 1.1 | MGT | Termination |
| 100052341 | 5/31/2011 | 3.4 | MGT | Termination |
| 100019741 | 5/31/2011 | 8.3 | MGT | Termination |
| 16231 | 5/31/2011 | 3.1 | MGT | Termination |
| 100019418 | 6/1/2011 | 32.4 | MGT | Termination |
| 92479 | 6/1/2011 | 20.7 | MGT | Termination |
| 100046720 | 6/2/2011 | 6.0 | MGT | Termination |
| 10574 | 6/3/2011 | 11.3 | MGT | Death |
| 100002697 | 6/3/2011 | 22.2 | MGT | Termination |
| 16752 | 6/3/2011 | 2.6 | MGT | Termination |
| 01299 | 6/5/2011 | 35.2 | MGT | Termination |
| 10281 | 6/6/2011 | 32.7 | MGT | Retirement |
| 18638 | 6/6/2011 | 0.8 | MGT | Termination |
| 100711494 | 6/7/2011 | 1.7 | MGT | Termination |
| 100025849 | 6/7/2011 | 22.7 | MGT | Termination |
| 100713264 | 6/8/2011 | 2.1 | MGT | Termination |
| 100711537 | 6/8/2011 | 1.6 | MGT | Termination |
| 100051521 | 6/10/2011 | 3.8 | MGT | Termination |
| 100046648 | 6/10/2011 | 6.2 | MGT | Termination |
| 100711391 | 6/13/2011 | 1.9 | MGT | Termination |
| 100711460 | 6/15/2011 | 1.8 | MGT | Termination |
| 100713122 | 6/17/2011 | 2.6 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100054447 | 6/17/2011 | 2.8 | MGT | Termination |
| 15711 | 6/20/2011 | 3.0 | MGT | Termination |
| 100713538 | 6/22/2011 | 1.3 | MGT | Termination |
| 18225 | 6/23/2011 | 1.0 | MGT | Termination |
| 07769 | 6/23/2011 | 25.7 | MGT | Termination |
| 100713725 | 6/24/2011 | 1.1 | MGT | Termination |
| 18430 | 6/24/2011 | 1.0 | MGT | Termination |
| 100046263 | 6/27/2011 | 6.7 | MGT | Termination |
| 100019579 | 6/28/2011 | 13.4 | MGT | Retirement |
| 17565 | 6/29/2011 | 22.7 | MGT | Termination |
| 14190 | 6/29/2011 | 5.3 | MGT | Termination |
| 13744 | 6/29/2011 | 6.0 | MGT | Termination |
| 04747 | 6/29/2011 | 21.7 | MGT | Termination |
| 100033235 | 6/30/2011 | 28.6 | MGT | Retirement |
| 67192 | 6/30/2011 | 31.0 | MGT | Retirement |
| 66960 | 6/30/2011 | 18.7 | MGT | Retirement |
| 20650 | 6/30/2011 | 21.6 | MGT | Retirement |
| 17599 | 6/30/2011 | 2.2 | MGT | Retirement |
| 10444 | 6/30/2011 | 31.8 | MGT | Retirement |
| 01927 | 6/30/2011 | 32.6 | MGT | Retirement |
| 100711173 | 6/30/2011 | 2.5 | MGT | Termination |
| 100054831 | 6/30/2011 | 2.7 | MGT | Termination |
| 100046615 | 6/30/2011 | 6.3 | MGT | Termination |
| 100046401 | 6/30/2011 | 6.6 | MGT | Termination |
| 100046019 | 6/30/2011 | 7.3 | MGT | Termination |
| 100002748 | 6/30/2011 | 26.9 | MGT | Termination |
| 17418 | 6/30/2011 | 1.8 | MGT | Termination |
| 100053747 | 7/1/2011 | 3.1 | MGT | Termination |
| 100024094 | 7/1/2011 | 21.4 | MGT | Termination |
| 100020865 | 7/1/2011 | 11.5 | MGT | Termination |
| 14277 | 7/1/2011 | 6.5 | MGT | Termination |
| 17412 | 7/4/2011 | 2.6 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100055117 | 7/5/2011 | 2.7 | MGT | Termination |
| 100050032 | 7/5/2011 | 4.5 | MGT | Termination |
| 100046889 | 7/5/2011 | 5.7 | MGT | Termination |
| 18311 | 7/5/2011 | 1.3 | MGT | Termination |
| 100711782 | 7/8/2011 | 1.0 | MGT | Termination |
| 100711717 | 7/8/2011 | 1.2 | MGT | Termination |
| 100711705 | 7/8/2011 | 1.2 | MGT | Termination |
| 100053461 | 7/8/2011 | 3.1 | MGT | Termination |
| 10144 | 7/10/2011 | 11.6 | MGT | Termination |
| 100019809 | 7/12/2011 | 8.0 | MGT | Termination |
| 18198 | 7/12/2011 | 1.4 | MGT | Termination |
| 07895 | 7/13/2011 | 12.7 | MGT | Termination |
| 100015337 | 7/14/2011 | 11.8 | MGT | Death |
| 100711495 | 7/15/2011 | 1.8 | MGT | Termination |
| 100046418 | 7/15/2011 | 6.6 | MGT | Termination |
| 17598 | 7/15/2011 | 2.2 | MGT | Termination |
| 16733 | 7/15/2011 | 2.8 | MGT | Termination |
| 16239 | 7/15/2011 | 3.3 | MGT | Termination |
| 81533 | 7/19/2011 | 25.7 | MGT | Termination |
| 100713126 | 7/21/2011 | 2.6 | MGT | Termination |
| 100016980 | 7/22/2011 | 24.4 | MGT | Death |
| 100711356 | 7/22/2011 | 2.1 | MGT | Termination |
| 38205 | 7/27/2011 | 19.8 | MGT | Termination |
| 16092 | 7/27/2011 | 3.5 | MGT | Termination |
| 45777 | 7/28/2011 | 24.0 | MGT | Termination |
| 100048856 | 7/29/2011 | 34.1 | MGT | Retirement |
| 100048806 | 7/29/2011 | 25.9 | MGT | Retirement |
| 100048726 | 7/29/2011 | 34.9 | MGT | Retirement |
| 100048545 | 7/29/2011 | 29.6 | MGT | Retirement |
| 100048518 | 7/29/2011 | 23.9 | MGT | Retirement |
| 100048478 | 7/29/2011 | 22.9 | MGT | Retirement |
| 100048321 | 7/29/2011 | 33.2 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100048288 | 7/29/2011 | 33.0 | MGT | Retirement |
| 100048276 | 7/29/2011 | 37.1 | MGT | Retirement |
| 100034786 | 7/29/2011 | 21.6 | MGT | Retirement |
| 100034438 | 7/29/2011 | 40.5 | MGT | Retirement |
| 100034266 | 7/29/2011 | 34.3 | MGT | Retirement |
| 100034265 | 7/29/2011 | 39.6 | MGT | Retirement |
| 100034258 | 7/29/2011 | 29.6 | MGT | Retirement |
| 100034163 | 7/29/2011 | 39.1 | MGT | Retirement |
| 100034144 | 7/29/2011 | 37.6 | MGT | Retirement |
| 100034090 | 7/29/2011 | 42.4 | MGT | Retirement |
| 100034059 | 7/29/2011 | 37.7 | MGT | Retirement |
| 100033886 | 7/29/2011 | 31.3 | MGT | Retirement |
| 100033833 | 7/29/2011 | 28.3 | MGT | Retirement |
| 100033757 | 7/29/2011 | 38.4 | MGT | Retirement |
| 100033497 | 7/29/2011 | 38.3 | MGT | Retirement |
| 100032801 | 7/29/2011 | 30.5 | MGT | Retirement |
| 100032680 | 7/29/2011 | 30.6 | MGT | Retirement |
| 100032447 | 7/29/2011 | 44.8 | MGT | Retirement |
| 100031870 | 7/29/2011 | 37.2 | MGT | Retirement |
| 100031027 | 7/29/2011 | 19.4 | MGT | Retirement |
| 100031017 | 7/29/2011 | 32.3 | MGT | Retirement |
| 100030603 | 7/29/2011 | 44.4 | MGT | Retirement |
| 100030575 | 7/29/2011 | 39.9 | MGT | Retirement |
| 100030440 | 7/29/2011 | 48.8 | MGT | Retirement |
| 100030073 | 7/29/2011 | 29.6 | MGT | Retirement |
| 100030068 | 7/29/2011 | 28.6 | MGT | Retirement |
| 100030063 | 7/29/2011 | 33.3 | MGT | Retirement |
| 100030045 | 7/29/2011 | 44.3 | MGT | Retirement |
| 100029434 | 7/29/2011 | 38.9 | MGT | Retirement |
| 100029027 | 7/29/2011 | 35.1 | MGT | Retirement |
| 100028522 | 7/29/2011 | 23.0 | MGT | Retirement |
| 100027781 | 7/29/2011 | 32.9 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100027324 | 7/29/2011 | 31.5 | MGT | Retirement |
| 100026092 | 7/29/2011 | 36.7 | MGT | Retirement |
| 100025773 | 7/29/2011 | 26.3 | MGT | Retirement |
| 100025346 | 7/29/2011 | 31.6 | MGT | Retirement |
| 100024467 | 7/29/2011 | 30.2 | MGT | Retirement |
| 100024409 | 7/29/2011 | 42.2 | MGT | Retirement |
| 100023795 | 7/29/2011 | 39.4 | MGT | Retirement |
| 100023777 | 7/29/2011 | 33.0 | MGT | Retirement |
| 100023487 | 7/29/2011 | 29.3 | MGT | Retirement |
| 100022598 | 7/29/2011 | 38.1 | MGT | Retirement |
| 100022372 | 7/29/2011 | 32.4 | MGT | Retirement |
| 100022356 | 7/29/2011 | 30.8 | MGT | Retirement |
| 100022317 | 7/29/2011 | 35.0 | MGT | Retirement |
| 100022274 | 7/29/2011 | 39.2 | MGT | Retirement |
| 100022132 | 7/29/2011 | 32.4 | MGT | Retirement |
| 100020974 | 7/29/2011 | 35.2 | MGT | Retirement |
| 100020961 | 7/29/2011 | 39.2 | MGT | Retirement |
| 100020913 | 7/29/2011 | 37.2 | MGT | Retirement |
| 100020883 | 7/29/2011 | 29.1 | MGT | Retirement |
| 100020756 | 7/29/2011 | 29.9 | MGT | Retirement |
| 100020691 | 7/29/2011 | 28.5 | MGT | Retirement |
| 100019549 | 7/29/2011 | 32.2 | MGT | Retirement |
| 100019427 | 7/29/2011 | 37.0 | MGT | Retirement |
| 100019327 | 7/29/2011 | 37.8 | MGT | Retirement |
| 100019323 | 7/29/2011 | 32.1 | MGT | Retirement |
| 100019320 | 7/29/2011 | 29.0 | MGT | Retirement |
| 100019246 | 7/29/2011 | 31.0 | MGT | Retirement |
| 100019017 | 7/29/2011 | 9.7 | MGT | Retirement |
| 100017743 | 7/29/2011 | 13.0 | MGT | Retirement |
| 100017609 | 7/29/2011 | 20.7 | MGT | Retirement |
| 100017531 | 7/29/2011 | 41.3 | MGT | Retirement |
| 100017474 | 7/29/2011 | 32.5 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100017433 | 7/29/2011 | 21.2 | MGT | Retirement |
| 100017103 | 7/29/2011 | 19.0 | MGT | Retirement |
| 100016877 | 7/29/2011 | 25.3 | MGT | Retirement |
| 100016559 | 7/29/2011 | 29.2 | MGT | Retirement |
| 100016447 | 7/29/2011 | 30.9 | MGT | Retirement |
| 100016217 | 7/29/2011 | 46.0 | MGT | Retirement |
| 100015820 | 7/29/2011 | 31.7 | MGT | Retirement |
| 100011816 | 7/29/2011 | 25.1 | MGT | Retirement |
| 100011062 | 7/29/2011 | 31.0 | MGT | Retirement |
| 100011006 | 7/29/2011 | 31.0 | MGT | Retirement |
| 100010995 | 7/29/2011 | 42.7 | MGT | Retirement |
| 100010551 | 7/29/2011 | 17.1 | MGT | Retirement |
| 100010276 | 7/29/2011 | 29.3 | MGT | Retirement |
| 100010116 | 7/29/2011 | 37.3 | MGT | Retirement |
| 100009846 | 7/29/2011 | 43.8 | MGT | Retirement |
| 100009839 | 7/29/2011 | 40.8 | MGT | Retirement |
| 100009763 | 7/29/2011 | 29.9 | MGT | Retirement |
| 100009415 | 7/29/2011 | 28.4 | MGT | Retirement |
| 100008622 | 7/29/2011 | 16.9 | MGT | Retirement |
| 100008609 | 7/29/2011 | 40.1 | MGT | Retirement |
| 100008401 | 7/29/2011 | 23.9 | MGT | Retirement |
| 100008274 | 7/29/2011 | 39.0 | MGT | Retirement |
| 100007665 | 7/29/2011 | 12.8 | MGT | Retirement |
| 100007426 | 7/29/2011 | 41.9 | MGT | Retirement |
| 100007167 | 7/29/2011 | 37.9 | MGT | Retirement |
| 100006690 | 7/29/2011 | 42.1 | MGT | Retirement |
| 100006673 | 7/29/2011 | 37.3 | MGT | Retirement |
| 100006136 | 7/29/2011 | 45.9 | MGT | Retirement |
| 100006027 | 7/29/2011 | 40.5 | MGT | Retirement |
| 100005914 | 7/29/2011 | 31.3 | MGT | Retirement |
| 100005852 | 7/29/2011 | 29.8 | MGT | Retirement |
| 100005463 | 7/29/2011 | 27.5 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100005087 | 7/29/2011 | 42.4 | MGT | Retirement |
| 100004643 | 7/29/2011 | 38.8 | MGT | Retirement |
| 100004554 | 7/29/2011 | 32.9 | MGT | Retirement |
| 100004416 | 7/29/2011 | 40.1 | MGT | Retirement |
| 100003702 | 7/29/2011 | 24.1 | MGT | Retirement |
| 100003579 | 7/29/2011 | 40.9 | MGT | Retirement |
| 100003246 | 7/29/2011 | 40.6 | MGT | Retirement |
| 100002861 | 7/29/2011 | 30.3 | MGT | Retirement |
| 100002524 | 7/29/2011 | 30.4 | MGT | Retirement |
| 100002517 | 7/29/2011 | 20.2 | MGT | Retirement |
| 100002477 | 7/29/2011 | 39.1 | MGT | Retirement |
| 100001600 | 7/29/2011 | 22.6 | MGT | Retirement |
| 100000431 | 7/29/2011 | 21.0 | MGT | Retirement |
| 100000408 | 7/29/2011 | 17.7 | MGT | Retirement |
| 100000264 | 7/29/2011 | 28.4 | MGT | Retirement |
| 100713570 | 7/29/2011 | 1.1 | MGT | Termination |
| 100713441 | 7/29/2011 | 1.8 | MGT | Termination |
| 100713421 | 7/29/2011 | 1.8 | MGT | Termination |
| 100713402 | 7/29/2011 | 1.8 | MGT | Termination |
| 100713115 | 7/29/2011 | 2.7 | MGT | Termination |
| 100711781 | 7/29/2011 | 1.0 | MGT | Termination |
| 100711659 | 7/29/2011 | 1.4 | MGT | Termination |
| 100711650 | 7/29/2011 | 1.4 | MGT | Termination |
| 100711646 | 7/29/2011 | 1.5 | MGT | Termination |
| 100711573 | 7/29/2011 | 1.6 | MGT | Termination |
| 100711513 | 7/29/2011 | 1.8 | MGT | Termination |
| 100711461 | 7/29/2011 | 2.0 | MGT | Termination |
| 100711332 | 7/29/2011 | 2.2 | MGT | Termination |
| 100711254 | 7/29/2011 | 2.3 | MGT | Termination |
| 100711225 | 7/29/2011 | 2.3 | MGT | Termination |
| 100711210 | 7/29/2011 | 2.4 | MGT | Termination |
| 100711209 | 7/29/2011 | 2.4 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100054585 | 7/29/2011 | 2.9 | MGT | Termination |
| 100053836 | 7/29/2011 | 3.1 | MGT | Termination |
| 100053550 | 7/29/2011 | 2.7 | MGT | Termination |
| 100053475 | 7/29/2011 | 3.2 | MGT | Termination |
| 100053263 | 7/29/2011 | 3.2 | MGT | Termination |
| 100052703 | 7/29/2011 | 3.4 | MGT | Termination |
| 100052102 | 7/29/2011 | 3.7 | MGT | Termination |
| 100051491 | 7/29/2011 | 4.0 | MGT | Termination |
| 100051470 | 7/29/2011 | 4.0 | MGT | Termination |
| 100051042 | 7/29/2011 | 4.2 | MGT | Termination |
| 100048139 | 7/29/2011 | 5.2 | MGT | Termination |
| 100048136 | 7/29/2011 | 5.2 | MGT | Termination |
| 100047037 | 7/29/2011 | 5.4 | MGT | Termination |
| 100047000 | 7/29/2011 | 5.5 | MGT | Termination |
| 100046835 | 7/29/2011 | 5.1 | MGT | Termination |
| 100046729 | 7/29/2011 | 6.2 | MGT | Termination |
| 100046636 | 7/29/2011 | 6.4 | MGT | Termination |
| 100046150 | 7/29/2011 | 7.1 | MGT | Termination |
| 100046027 | 7/29/2011 | 7.4 | MGT | Termination |
| 100045933 | 7/29/2011 | 6.6 | MGT | Termination |
| 100034344 | 7/29/2011 | 21.4 | MGT | Termination |
| 100034118 | 7/29/2011 | 10.8 | MGT | Termination |
| 100034115 | 7/29/2011 | 26.3 | MGT | Termination |
| 100034070 | 7/29/2011 | 12.2 | MGT | Termination |
| 100033966 | 7/29/2011 | 19.7 | MGT | Termination |
| 100033360 | 7/29/2011 | 22.7 | MGT | Termination |
| 100032341 | 7/29/2011 | 18.9 | MGT | Termination |
| 100029007 | 7/29/2011 | 19.5 | MGT | Termination |
| 100027705 | 7/29/2011 | 26.2 | MGT | Termination |
| 100027041 | 7/29/2011 | 28.2 | MGT | Termination |
| 100025934 | 7/29/2011 | 10.9 | MGT | Termination |
| 100023560 | 7/29/2011 | 9.7 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100022921 | 7/29/2011 | 8.3 | MGT | Termination |
| 100021879 | 7/29/2011 | 24.8 | MGT | Termination |
| 100021278 | 7/29/2011 | 14.2 | MGT | Termination |
| 100020744 | 7/29/2011 | 22.5 | MGT | Termination |
| 100020627 | 7/29/2011 | 22.0 | MGT | Termination |
| 100020406 | 7/29/2011 | 19.0 | MGT | Termination |
| 100019606 | 7/29/2011 | 25.2 | MGT | Termination |
| 100019597 | 7/29/2011 | 21.0 | MGT | Termination |
| 100019521 | 7/29/2011 | 10.9 | MGT | Termination |
| 100018419 | 7/29/2011 | 10.6 | MGT | Termination |
| 100018283 | 7/29/2011 | 11.0 | MGT | Termination |
| 100017238 | 7/29/2011 | 22.7 | MGT | Termination |
| 100016925 | 7/29/2011 | 24.9 | MGT | Termination |
| 100016760 | 7/29/2011 | 26.9 | MGT | Termination |
| 100011901 | 7/29/2011 | 31.3 | MGT | Termination |
| 100011347 | 7/29/2011 | 30.1 | MGT | Termination |
| 100009362 | 7/29/2011 | 21.3 | MGT | Termination |
| 100008567 | 7/29/2011 | 27.4 | MGT | Termination |
| 100008045 | 7/29/2011 | 21.1 | MGT | Termination |
| 100007217 | 7/29/2011 | 26.1 | MGT | Termination |
| 100006917 | 7/29/2011 | 25.4 | MGT | Termination |
| 100006558 | 7/29/2011 | 21.8 | MGT | Termination |
| 100005750 | 7/29/2011 | 12.1 | MGT | Termination |
| 100004385 | 7/29/2011 | 22.2 | MGT | Termination |
| 100004105 | 7/29/2011 | 13.0 | MGT | Termination |
| 100003663 | 7/29/2011 | 9.6 | MGT | Termination |
| 100003589 | 7/29/2011 | 15.1 | MGT | Termination |
| 100003550 | 7/29/2011 | 15.1 | MGT | Termination |
| 100002275 | 7/29/2011 | 20.5 | MGT | Termination |
| 100001301 | 7/29/2011 | 24.7 | MGT | Termination |
| 100000782 | 7/29/2011 | 21.2 | MGT | Termination |
| 100000596 | 7/29/2011 | 23.2 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100000572 | 7/29/2011 | 17.7 | MGT | Termination |
| 100000400 | 7/29/2011 | 23.9 | MGT | Termination |
| 95135 | 7/29/2011 | 22.2 | MGT | Termination |
| 79440 | 7/29/2011 | 21.2 | MGT | Termination |
| 70273 | 7/29/2011 | 9.9 | MGT | Termination |
| 24282 | 7/29/2011 | 12.8 | MGT | Termination |
| 24067 | 7/29/2011 | 5.1 | MGT | Termination |
| 23321 | 7/29/2011 | 23.5 | MGT | Termination |
| 22868 | 7/29/2011 | 29.8 | MGT | Termination |
| 21187 | 7/29/2011 | 14.4 | MGT | Termination |
| 20366 | 7/29/2011 | 20.2 | MGT | Termination |
| 20340 | 7/29/2011 | 24.8 | MGT | Termination |
| 20308 | 7/29/2011 | 22.8 | MGT | Termination |
| 20243 | 7/29/2011 | 25.4 | MGT | Termination |
| 18822 | 7/29/2011 | 24.8 | MGT | Termination |
| 18220 | 7/29/2011 | 1.1 | MGT | Termination |
| 17988 | 7/29/2011 | 1.7 | MGT | Termination |
| 17669 | 7/29/2011 | 1.9 | MGT | Termination |
| 17609 | 7/29/2011 | 2.2 | MGT | Termination |
| 17482 | 7/29/2011 | 1.9 | MGT | Termination |
| 17195 | 7/29/2011 | 1.9 | MGT | Termination |
| 17075 | 7/29/2011 | 2.1 | MGT | Termination |
| 17070 | 7/29/2011 | 2.7 | MGT | Termination |
| 16948 | 7/29/2011 | 2.5 | MGT | Termination |
| 16841 | 7/29/2011 | 2.8 | MGT | Termination |
| 16661 | 7/29/2011 | 3.0 | MGT | Termination |
| 16026 | 7/29/2011 | 3.5 | MGT | Termination |
| 15465 | 7/29/2011 | 4.5 | MGT | Termination |
| 14957 | 7/29/2011 | 1.9 | MGT | Termination |
| 14559 | 7/29/2011 | 6.1 | MGT | Termination |
| 14087 | 7/29/2011 | 5.5 | MGT | Termination |
| 14036 | 7/29/2011 | 5.7 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 14005 | 7/29/2011 | 6.8 | MGT | Termination |
| 13873 | 7/29/2011 | 5.9 | MGT | Termination |
| 13872 | 7/29/2011 | 6.0 | MGT | Termination |
| 13793 | 7/29/2011 | 6.1 | MGT | Termination |
| 13015 | 7/29/2011 | 6.9 | MGT | Termination |
| 12764 | 7/29/2011 | 9.0 | MGT | Termination |
| 12519 | 7/29/2011 | 9.0 | MGT | Termination |
| 12461 | 7/29/2011 | 9.1 | MGT | Termination |
| 07896 | 7/29/2011 | 12.7 | MGT | Termination |
| 07821 | 7/29/2011 | 20.1 | MGT | Termination |
| 07353 | 7/29/2011 | 19.1 | MGT | Termination |
| 06021 | 7/29/2011 | 10.5 | MGT | Termination |
| 04006 | 7/29/2011 | 21.9 | MGT | Termination |
| 02686 | 7/29/2011 | 3.4 | MGT | Termination |
| 01736 | 7/29/2011 | 17.7 | MGT | Termination |
| 00153 | 7/29/2011 | 23.1 | MGT | Termination |
| 100033940 | 7/31/2011 | 28.2 | MGT | Retirement |
| 100019474 | 7/31/2011 | 34.2 | MGT | Retirement |
| 100019467 | 7/31/2011 | 14.2 | MGT | Retirement |
| 100016524 | 7/31/2011 | 29.8 | MGT | Retirement |
| 100011918 | 7/31/2011 | 32.7 | MGT | Retirement |
| 100003349 | 7/31/2011 | 24.6 | MGT | Retirement |
| 88899 | 7/31/2011 | 20.1 | MGT | Retirement |
| 88898 | 7/31/2011 | 22.7 | MGT | Retirement |
| 85115 | 7/31/2011 | 38.1 | MGT | Retirement |
| 84330 | 7/31/2011 | 30.6 | MGT | Retirement |
| 81483 | 7/31/2011 | 31.3 | MGT | Retirement |
| 80352 | 7/31/2011 | 39.8 | MGT | Retirement |
| 79069 | 7/31/2011 | 19.3 | MGT | Retirement |
| 78311 | 7/31/2011 | 44.1 | MGT | Retirement |
| 76070 | 7/31/2011 | 24.0 | MGT | Retirement |
| 75640 | 7/31/2011 | 26.3 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 65052 | 7/31/2011 | 24.7 | MGT | Retirement |
| 61900 | 7/31/2011 | 20.6 | MGT | Retirement |
| 61761 | 7/31/2011 | 38.0 | MGT | Retirement |
| 56326 | 7/31/2011 | 21.2 | MGT | Retirement |
| 54187 | 7/31/2011 | 21.3 | MGT | Retirement |
| 52697 | 7/31/2011 | 45.7 | MGT | Retirement |
| 49587 | 7/31/2011 | 38.4 | MGT | Retirement |
| 46540 | 7/31/2011 | 31.1 | MGT | Retirement |
| 42625 | 7/31/2011 | 29.5 | MGT | Retirement |
| 41900 | 7/31/2011 | 30.3 | MGT | Retirement |
| 38304 | 7/31/2011 | 26.6 | MGT | Retirement |
| 37211 | 7/31/2011 | 23.8 | MGT | Retirement |
| 33066 | 7/31/2011 | 26.3 | MGT | Retirement |
| 29550 | 7/31/2011 | 24.6 | MGT | Retirement |
| 28577 | 7/31/2011 | 37.4 | MGT | Retirement |
| 27096 | 7/31/2011 | 37.5 | MGT | Retirement |
| 26038 | 7/31/2011 | 9.3 | MGT | Retirement |
| 24578 | 7/31/2011 | 43.6 | MGT | Retirement |
| 24570 | 7/31/2011 | 44.0 | MGT | Retirement |
| 24568 | 7/31/2011 | 44.1 | MGT | Retirement |
| 24563 | 7/31/2011 | 21.1 | MGT | Retirement |
| 24420 | 7/31/2011 | 26.5 | MGT | Retirement |
| 24041 | 7/31/2011 | 17.4 | MGT | Retirement |
| 23997 | 7/31/2011 | 17.6 | MGT | Retirement |
| 23677 | 7/31/2011 | 21.2 | MGT | Retirement |
| 22856 | 7/31/2011 | 30.0 | MGT | Retirement |
| 22736 | 7/31/2011 | 31.7 | MGT | Retirement |
| 22710 | 7/31/2011 | 31.9 | MGT | Retirement |
| 22709 | 7/31/2011 | 32.0 | MGT | Retirement |
| 22693 | 7/31/2011 | 32.0 | MGT | Retirement |
| 22674 | 7/31/2011 | 32.1 | MGT | Retirement |
| 22665 | 7/31/2011 | 32.4 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 22566 | 7/31/2011 | 33.6 | MGT | Retirement |
| 22563 | 7/31/2011 | 33.7 | MGT | Retirement |
| 22506 | 7/31/2011 | 35.6 | MGT | Retirement |
| 22501 | 7/31/2011 | 35.5 | MGT | Retirement |
| 22461 | 7/31/2011 | 37.4 | MGT | Retirement |
| 22402 | 7/31/2011 | 45.9 | MGT | Retirement |
| 22366 | 7/31/2011 | 38.9 | MGT | Retirement |
| 22362 | 7/31/2011 | 45.5 | MGT | Retirement |
| 22276 | 7/31/2011 | 42.3 | MGT | Retirement |
| 22264 | 7/31/2011 | 42.9 | MGT | Retirement |
| 21961 | 7/31/2011 | 42.8 | MGT | Retirement |
| 21959 | 7/31/2011 | 41.5 | MGT | Retirement |
| 21937 | 7/31/2011 | 38.8 | MGT | Retirement |
| 21903 | 7/31/2011 | 37.8 | MGT | Retirement |
| 21885 | 7/31/2011 | 38.4 | MGT | Retirement |
| 21782 | 7/31/2011 | 43.5 | MGT | Retirement |
| 21732 | 7/31/2011 | 39.9 | MGT | Retirement |
| 21701 | 7/31/2011 | 40.2 | MGT | Retirement |
| 21695 | 7/31/2011 | 40.3 | MGT | Retirement |
| 21635 | 7/31/2011 | 41.1 | MGT | Retirement |
| 21628 | 7/31/2011 | 37.7 | MGT | Retirement |
| 21462 | 7/31/2011 | 19.3 | MGT | Retirement |
| 20694 | 7/31/2011 | 35.3 | MGT | Retirement |
| 20071 | 7/31/2011 | 32.7 | MGT | Retirement |
| 19962 | 7/31/2011 | 35.0 | MGT | Retirement |
| 16745 | 7/31/2011 | 2.8 | MGT | Retirement |
| 15879 | 7/31/2011 | 29.7 | MGT | Retirement |
| 14583 | 7/31/2011 | 5.7 | MGT | Retirement |
| 12909 | 7/31/2011 | 19.6 | MGT | Retirement |
| 12746 | 7/31/2011 | 35.0 | MGT | Retirement |
| 12420 | 7/31/2011 | 37.2 | MGT | Retirement |
| 10292 | 7/31/2011 | 29.8 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 10269 | 7/31/2011 | 30.7 | MGT | Retirement |
| 10064 | 7/31/2011 | 26.3 | MGT | Retirement |
| 10010 | 7/31/2011 | 37.7 | MGT | Retirement |
| 09660 | 7/31/2011 | 37.6 | MGT | Retirement |
| 09407 | 7/31/2011 | 36.4 | MGT | Retirement |
| 09144 | 7/31/2011 | 38.2 | MGT | Retirement |
| 09014 | 7/31/2011 | 38.3 | MGT | Retirement |
| 08945 | 7/31/2011 | 38.5 | MGT | Retirement |
| 08857 | 7/31/2011 | 38.7 | MGT | Retirement |
| 08283 | 7/31/2011 | 39.8 | MGT | Retirement |
| 07977 | 7/31/2011 | 40.2 | MGT | Retirement |
| 07894 | 7/31/2011 | 40.3 | MGT | Retirement |
| 07513 | 7/31/2011 | 40.5 | MGT | Retirement |
| 07195 | 7/31/2011 | 26.3 | MGT | Retirement |
| 06333 | 7/31/2011 | 21.7 | MGT | Retirement |
| 05458 | 7/31/2011 | 42.7 | MGT | Retirement |
| 05059 | 7/31/2011 | 28.5 | MGT | Retirement |
| 04068 | 7/31/2011 | 29.6 | MGT | Retirement |
| 04053 | 7/31/2011 | 29.7 | MGT | Retirement |
| 03591 | 7/31/2011 | 30.0 | MGT | Retirement |
| 02855 | 7/31/2011 | 31.1 | MGT | Retirement |
| 02443 | 7/31/2011 | 31.9 | MGT | Retirement |
| 02427 | 7/31/2011 | 23.6 | MGT | Retirement |
| 02369 | 7/31/2011 | 32.0 | MGT | Retirement |
| 01337 | 7/31/2011 | 35.2 | MGT | Retirement |
| 01231 | 7/31/2011 | 35.4 | MGT | Retirement |
| 01167 | 7/31/2011 | 35.5 | MGT | Retirement |
| 00989 | 7/31/2011 | 36.0 | MGT | Retirement |
| 00973 | 7/31/2011 | 36.0 | MGT | Retirement |
| 00943 | 7/31/2011 | 36.0 | MGT | Retirement |
| 00415 | 7/31/2011 | 36.7 | MGT | Retirement |
| 00326 | 7/31/2011 | 33.7 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 00321 | 7/31/2011 | 33.7 | MGT | Retirement |
| 00266 | 7/31/2011 | 36.8 | MGT | Retirement |
| 00210 | 7/31/2011 | 36.9 | MGT | Retirement |
| 00152 | 7/31/2011 | 33.9 | MGT | Retirement |
| 00047 | 7/31/2011 | 33.9 | MGT | Retirement |
| 100054858 | 7/31/2011 | 2.8 | MGT | Termination |
| 100046865 | 7/31/2011 | 5.9 | MGT | Termination |
| 100046722 | 7/31/2011 | 3.7 | MGT | Termination |
| 100019931 | 7/31/2011 | 7.9 | MGT | Termination |
| 100011771 | 8/1/2011 | 21.8 | MGT | Death |
| 05813 | 8/2/2011 | 27.9 | MGT | Retirement |
| 100020817 | 8/2/2011 | 21.7 | MGT | Termination |
| 100019496 | 8/2/2011 | 19.7 | MGT | Termination |
| 100019360 | 8/2/2011 | 16.4 | MGT | Termination |
| 63572 | 8/2/2011 | 18.0 | MGT | Termination |
| 10551 | 8/2/2011 | 21.7 | MGT | Termination |
| 13330 | 8/3/2011 | 20.2 | MGT | Termination |
| 100711424 | 8/5/2011 | 2.0 | MGT | Termination |
| 100711379 | 8/5/2011 | 2.1 | MGT | Termination |
| 100711204 | 8/5/2011 | 2.4 | MGT | Termination |
| 15930 | 8/7/2011 | 3.7 | MGT | Termination |
| 100034419 | 8/8/2011 | 21.5 | MGT | Retirement |
| 100033544 | 8/8/2011 | 13.9 | MGT | Retirement |
| 100020745 | 8/8/2011 | 11.6 | MGT | Retirement |
| 100019613 | 8/8/2011 | 10.8 | MGT | Retirement |
| 100019525 | 8/8/2011 | 14.2 | MGT | Retirement |
| 100019518 | 8/8/2011 | 19.1 | MGT | Retirement |
| 100019384 | 8/8/2011 | 22.1 | MGT | Retirement |
| 100019361 | 8/8/2011 | 11.1 | MGT | Retirement |
| 100004302 | 8/8/2011 | 13.0 | MGT | Retirement |
| 100003669 | 8/8/2011 | 13.9 | MGT | Retirement |
| 100002151 | 8/8/2011 | 16.3 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 84307 | 8/8/2011 | 32.3 | MGT | Retirement |
| 54978 | 8/8/2011 | 26.3 | MGT | Retirement |
| 02697 | 8/8/2011 | 12.5 | MGT | Retirement |
| 100713367 | 8/8/2011 | 2.0 | MGT | Termination |
| 100051607 | 8/8/2011 | 3.9 | MGT | Termination |
| 100049696 | 8/8/2011 | 4.9 | MGT | Termination |
| 100046940 | 8/8/2011 | 5.7 | MGT | Termination |
| 100046756 | 8/8/2011 | 6.1 | MGT | Termination |
| 100034277 | 8/8/2011 | 15.6 | MGT | Termination |
| 100034174 | 8/8/2011 | 11.3 | MGT | Termination |
| 100034129 | 8/8/2011 | 12.0 | MGT | Termination |
| 100034064 | 8/8/2011 | 11.1 | MGT | Termination |
| 100031210 | 8/8/2011 | 19.2 | MGT | Termination |
| 100028780 | 8/8/2011 | 14.5 | MGT | Termination |
| 100026974 | 8/8/2011 | 19.1 | MGT | Termination |
| 100024925 | 8/8/2011 | 12.9 | MGT | Termination |
| 100021208 | 8/8/2011 | 10.6 | MGT | Termination |
| 100021139 | 8/8/2011 | 23.4 | MGT | Termination |
| 100021026 | 8/8/2011 | 11.3 | MGT | Termination |
| 100020442 | 8/8/2011 | 12.0 | MGT | Termination |
| 100020259 | 8/8/2011 | 11.7 | MGT | Termination |
| 100019746 | 8/8/2011 | 8.4 | MGT | Termination |
| 100019626 | 8/8/2011 | 12.9 | MGT | Termination |
| 100019621 | 8/8/2011 | 10.9 | MGT | Termination |
| 100019620 | 8/8/2011 | 12.0 | MGT | Termination |
| 100019617 | 8/8/2011 | 12.2 | MGT | Termination |
| 100019608 | 8/8/2011 | 12.3 | MGT | Termination |
| 100019578 | 8/8/2011 | 15.1 | MGT | Termination |
| 100019569 | 8/8/2011 | 24.4 | MGT | Termination |
| 100019537 | 8/8/2011 | 11.4 | MGT | Termination |
| 100019506 | 8/8/2011 | 13.8 | MGT | Termination |
| 100019453 | 8/8/2011 | 11.1 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100018848 | 8/8/2011 | 10.1 | MGT | Termination |
| 100015301 | 8/8/2011 | 9.5 | MGT | Termination |
| 100011871 | 8/8/2011 | 32.8 | MGT | Termination |
| 100011005 | 8/8/2011 | 22.7 | MGT | Termination |
| 100009956 | 8/8/2011 | 14.0 | MGT | Termination |
| 100005594 | 8/8/2011 | 13.1 | MGT | Termination |
| 100003728 | 8/8/2011 | 23.7 | MGT | Termination |
| 100001593 | 8/8/2011 | 14.5 | MGT | Termination |
| 100001518 | 8/8/2011 | 16.6 | MGT | Termination |
| 92550 | 8/8/2011 | 13.8 | MGT | Termination |
| 67158 | 8/8/2011 | 13.3 | MGT | Termination |
| 52132 | 8/8/2011 | 13.2 | MGT | Termination |
| 24225 | 8/8/2011 | 13.8 | MGT | Termination |
| 24219 | 8/8/2011 | 13.7 | MGT | Termination |
| 23492 | 8/8/2011 | 22.6 | MGT | Termination |
| 16120 | 8/8/2011 | 19.0 | MGT | Termination |
| 15678 | 8/8/2011 | 13.7 | MGT | Termination |
| 15080 | 8/8/2011 | 21.2 | MGT | Termination |
| 15019 | 8/8/2011 | 5.2 | MGT | Termination |
| 15016 | 8/8/2011 | 5.2 | MGT | Termination |
| 15015 | 8/8/2011 | 5.2 | MGT | Termination |
| 13946 | 8/8/2011 | 5.8 | MGT | Termination |
| 12547 | 8/8/2011 | 9.0 | MGT | Termination |
| 08623 | 8/8/2011 | 24.7 | MGT | Termination |
| 08136 | 8/8/2011 | 21.3 | MGT | Termination |
| 08010 | 8/8/2011 | 21.3 | MGT | Termination |
| 07838 | 8/8/2011 | 12.9 | MGT | Termination |
| 07498 | 8/8/2011 | 25.9 | MGT | Termination |
| 05773 | 8/8/2011 | 10.6 | MGT | Termination |
| 05702 | 8/8/2011 | 13.7 | MGT | Termination |
| 04603 | 8/8/2011 | 5.3 | MGT | Termination |
| 03602 | 8/8/2011 | 15.4 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 03372 | 8/8/2011 | 22.3 | MGT | Termination |
| 02484 | 8/8/2011 | 23.6 | MGT | Termination |
| 02367 | 8/8/2011 | 23.5 | MGT | Termination |
| 02284 | 8/8/2011 | 23.6 | MGT | Termination |
| 01623 | 8/8/2011 | 24.0 | MGT | Termination |
| 01191 | 8/8/2011 | 11.1 | MGT | Termination |
| 00751 | 8/8/2011 | 24.7 | MGT | Termination |
| 00058 | 8/8/2011 | 18.5 | MGT | Termination |
| 00051 | 8/8/2011 | 18.5 | MGT | Termination |
| 100046725 | 8/9/2011 | 6.2 | MGT | Termination |
| 100017259 | 8/9/2011 | 22.4 | MGT | Termination |
| 100053797 | 8/12/2011 | 3.2 | MGT | Termination |
| 18431 | 8/14/2011 | 1.2 | MGT | Termination |
| 100055073 | 8/15/2011 | 2.8 | MGT | Termination |
| 100713413 | 8/19/2011 | 1.9 | MGT | Termination |
| 100046775 | 8/19/2011 | 6.1 | MGT | Termination |
| 16681 | 8/21/2011 | 3.0 | MGT | Termination |
| 100711358 | 8/23/2011 | 2.1 | MGT | Termination |
| 100033812 | 8/25/2011 | 10.2 | MGT | Termination |
| 18050 | 8/25/2011 | 1.2 | MGT | Termination |
| 100026929 | 8/26/2011 | 21.7 | MGT | Termination |
| 100019543 | 8/26/2011 | 11.4 | MGT | Termination |
| 100019359 | 8/26/2011 | 15.1 | MGT | Termination |
| 100008131 | 8/26/2011 | 24.1 | MGT | Termination |
| 08404 | 8/26/2011 | 12.1 | MGT | Termination |
| 01198 | 8/26/2011 | 11.3 | MGT | Termination |
| 18432 | 8/28/2011 | 1.2 | MGT | Termination |
| 15941 | 8/28/2011 | 3.7 | MGT | Termination |
| 100063957 | 8/29/2011 | 0.0 | MGT | Termination |
| 100048405 | 8/31/2011 | 32.3 | MGT | Retirement |
| 100033823 | 8/31/2011 | 39.5 | MGT | Retirement |
| 100026934 | 8/31/2011 | 32.3 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100024135 | 8/31/2011 | 32.0 | MGT | Retirement |
| 100023692 | 8/31/2011 | 32.1 | MGT | Retirement |
| 100022037 | 8/31/2011 | 32.4 | MGT | Retirement |
| 100021312 | 8/31/2011 | 18.7 | MGT | Retirement |
| 100020425 | 8/31/2011 | 27.4 | MGT | Retirement |
| 100019321 | 8/31/2011 | 34.3 | MGT | Retirement |
| 100007561 | 8/31/2011 | 19.5 | MGT | Retirement |
| 100000709 | 8/31/2011 | 24.4 | MGT | Retirement |
| 74938 | 8/31/2011 | 21.4 | MGT | Retirement |
| 67930 | 8/31/2011 | 21.1 | MGT | Retirement |
| 66588 | 8/31/2011 | 21.1 | MGT | Retirement |
| 62813 | 8/31/2011 | 5.0 | MGT | Retirement |
| 27897 | 8/31/2011 | 24.8 | MGT | Retirement |
| 26089 | 8/31/2011 | 19.8 | MGT | Retirement |
| 24612 | 8/31/2011 | 42.3 | MGT | Retirement |
| 14963 | 8/31/2011 | 5.4 | MGT | Retirement |
| 14857 | 8/31/2011 | 5.4 | MGT | Retirement |
| 13232 | 8/31/2011 | 22.4 | MGT | Retirement |
| 12240 | 8/31/2011 | 9.2 | MGT | Retirement |
| 11988 | 8/31/2011 | 9.4 | MGT | Retirement |
| 10624 | 8/31/2011 | 30.2 | MGT | Retirement |
| 09850 | 8/31/2011 | 37.5 | MGT | Retirement |
| 08281 | 8/31/2011 | 25.4 | MGT | Retirement |
| 07907 | 8/31/2011 | 25.8 | MGT | Retirement |
| 04509 | 8/31/2011 | 21.9 | MGT | Retirement |
| 03065 | 8/31/2011 | 31.0 | MGT | Retirement |
| 01791 | 8/31/2011 | 33.2 | MGT | Retirement |
| 00873 | 8/31/2011 | 24.7 | MGT | Retirement |
| 00743 | 8/31/2011 | 36.5 | MGT | Retirement |
| 100054884 | 8/31/2011 | 2.9 | MGT | Termination |
| 100051412 | 8/31/2011 | 4.1 | MGT | Termination |
| 100019209 | 8/31/2011 | 26.2 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100012045 | 8/31/2011 | 16.1 | MGT | Termination |
| 18301 | 8/31/2011 | 1.1 | MGT | Termination |
| 02479 | 8/31/2011 | 23.6 | MGT | Termination |
| 100046747 | 9/2/2011 | 6.2 | MGT | Termination |
| 100029802 | 9/2/2011 | 11.8 | MGT | Termination |
| 100020622 | 9/2/2011 | 30.5 | MGT | Termination |
| 16444 | 9/2/2011 | 3.1 | MGT | Termination |
| 17444 | 9/5/2011 | 2.8 | MGT | Termination |
| 100004586 | 9/6/2011 | 26.6 | MGT | Retirement |
| 100046614 | 9/6/2011 | 6.5 | MGT | Termination |
| 100008563 | 9/6/2011 | 30.0 | MGT | Termination |
| 100711492 | 9/8/2011 | 2.0 | MGT | Termination |
| 14558 | 9/8/2011 | 6.2 | MGT | Termination |
| 100007648 | 9/9/2011 | 37.8 | MGT | Retirement |
| 100711809 | 9/9/2011 | 1.0 | MGT | Termination |
| 100711752 | 9/9/2011 | 1.3 | MGT | Termination |
| 100050770 | 9/9/2011 | 4.4 | MGT | Termination |
| 100048445 | 9/9/2011 | 16.1 | MGT | Termination |
| 100007156 | 9/9/2011 | 15.2 | MGT | Termination |
| 12543 | 9/9/2011 | 9.1 | MGT | Termination |
| 100713273 | 9/12/2011 | 2.3 | MGT | Termination |
| 17060 | 9/13/2011 | 2.7 | MGT | Termination |
| 100022889 | 9/14/2011 | 31.5 | MGT | Retirement |
| 05642 | 9/14/2011 | 10.6 | MGT | Termination |
| 100020967 | 9/15/2011 | 11.8 | MGT | Retirement |
| 00201 | 9/15/2011 | 33.9 | MGT | Retirement |
| 100711439 | 9/15/2011 | 2.1 | MGT | Termination |
| 67244 | 9/15/2011 | 22.2 | MGT | Termination |
| 20682 | 9/15/2011 | 31.9 | MGT | Termination |
| 17672 | 9/16/2011 | 2.0 | MGT | Termination |
| 100053725 | 9/19/2011 | 3.3 | MGT | Termination |
| 100023767 | 9/19/2011 | 11.4 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100017360 | 9/19/2011 | 22.0 | MGT | Termination |
| 17401 | 9/19/2011 | 2.9 | MGT | Termination |
| 100019679 | 9/20/2011 | 7.6 | MGT | Termination |
| 70000 | 9/20/2011 | 8.8 | MGT | Termination |
| 100711665 | 9/23/2011 | 1.5 | MGT | Termination |
| 100054624 | 9/23/2011 | 3.0 | MGT | Termination |
| 17245 | 9/23/2011 | 2.8 | MGT | Termination |
| 16963 | 9/25/2011 | 2.8 | MGT | Termination |
| 100021526 | 9/26/2011 | 11.1 | MGT | Retirement |
| 100711293 | 9/26/2011 | 2.4 | MGT | Termination |
| 100054930 | 9/26/2011 | 3.0 | MGT | Termination |
| 100054317 | 9/26/2011 | 3.2 | MGT | Termination |
| 100052606 | 9/26/2011 | 3.6 | MGT | Termination |
| 100022789 | 9/26/2011 | 22.9 | MGT | Termination |
| 100021036 | 9/26/2011 | 11.7 | MGT | Termination |
| 16625 | 9/26/2011 | 3.3 | MGT | Termination |
| 16241 | 9/26/2011 | 3.5 | MGT | Termination |
| 16223 | 9/26/2011 | 3.5 | MGT | Termination |
| 100010840 | 9/27/2011 | 21.1 | MGT | Retirement |
| 100711818 | 9/27/2011 | 1.0 | MGT | Termination |
| 100711483 | 9/27/2011 | 2.1 | MGT | Termination |
| 100711405 | 9/27/2011 | 2.2 | MGT | Termination |
| 100054304 | 9/27/2011 | 3.2 | MGT | Termination |
| 100053013 | 9/27/2011 | 3.5 | MGT | Termination |
| 100052924 | 9/27/2011 | 3.5 | MGT | Termination |
| 100051457 | 9/27/2011 | 4.2 | MGT | Termination |
| 100051367 | 9/27/2011 | 4.2 | MGT | Termination |
| 100046902 | 9/27/2011 | 5.9 | MGT | Termination |
| 100046723 | 9/27/2011 | 6.3 | MGT | Termination |
| 100045964 | 9/27/2011 | 7.6 | MGT | Termination |
| 100019789 | 9/27/2011 | 8.4 | MGT | Termination |
| 16663 | 9/27/2011 | 3.2 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 16389 | 9/27/2011 | 3.3 | MGT | Termination |
| 14317 | 9/27/2011 | 6.5 | MGT | Termination |
| 07368 | 9/27/2011 | 13.2 | MGT | Termination |
| 03212 | 9/27/2011 | 12.7 | MGT | Termination |
| 100027939 | 9/28/2011 | 28.3 | MGT | Retirement |
| 100025810 | 9/28/2011 | 34.3 | MGT | Retirement |
| 100021005 | 9/28/2011 | 23.0 | MGT | Retirement |
| 100019696 | 9/28/2011 | 38.5 | MGT | Retirement |
| 100711430 | 9/28/2011 | 2.2 | MGT | Termination |
| 100711116 | 9/28/2011 | 2.9 | MGT | Termination |
| 100054136 | 9/28/2011 | 3.2 | MGT | Termination |
| 100052721 | 9/28/2011 | 3.6 | MGT | Termination |
| 100048661 | 9/28/2011 | 10.2 | MGT | Termination |
| 100048388 | 9/28/2011 | 8.0 | MGT | Termination |
| 100048341 | 9/28/2011 | 7.6 | MGT | Termination |
| 100046593 | 9/28/2011 | 6.7 | MGT | Termination |
| 100028733 | 9/28/2011 | 25.3 | MGT | Termination |
| 05004 | 9/28/2011 | 14.4 | MGT | Termination |
| 00489 | 9/28/2011 | 11.6 | MGT | Termination |
| 100016156 | 9/29/2011 | 39.0 | MGT | Retirement |
| 100006711 | 9/29/2011 | 21.6 | MGT | Retirement |
| 100005040 | 9/29/2011 | 28.0 | MGT | Retirement |
| 41762 | 9/29/2011 | 26.3 | MGT | Retirement |
| 100711208 | 9/29/2011 | 2.6 | MGT | Termination |
| 100047934 | 9/29/2011 | 5.5 | MGT | Termination |
| 100019659 | 9/29/2011 | 8.8 | MGT | Termination |
| 100009336 | 9/29/2011 | 25.7 | MGT | Termination |
| 100005613 | 9/29/2011 | 27.1 | MGT | Termination |
| 18074 | 9/29/2011 | 1.3 | MGT | Termination |
| 17863 | 9/29/2011 | 2.2 | MGT | Termination |
| 14503 | 9/29/2011 | 6.2 | MGT | Termination |
| 11828 | 9/29/2011 | 9.7 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 15064 | 9/30/2011 | 4.2 | MGT | Divestiture |
| 14725 | 9/30/2011 | 5.0 | MGT | Divestiture |
| 05692 | 9/30/2011 | 13.8 | MGT | Divestiture |
| 100048771 | 9/30/2011 | 28.1 | MGT | Retirement |
| 100048627 | 9/30/2011 | 37.4 | MGT | Retirement |
| 100034198 | 9/30/2011 | 37.7 | MGT | Retirement |
| 100033837 | 9/30/2011 | 38.7 | MGT | Retirement |
| 100033295 | 9/30/2011 | 37.9 | MGT | Retirement |
| 100027302 | 9/30/2011 | 29.1 | MGT | Retirement |
| 100020054 | 9/30/2011 | 38.4 | MGT | Retirement |
| 100019456 | 9/30/2011 | 37.3 | MGT | Retirement |
| 100019369 | 9/30/2011 | 33.0 | MGT | Retirement |
| 100016502 | 9/30/2011 | 30.2 | MGT | Retirement |
| 100009109 | 9/30/2011 | 28.4 | MGT | Retirement |
| 100007663 | 9/30/2011 | 39.7 | MGT | Retirement |
| 100005486 | 9/30/2011 | 17.5 | MGT | Retirement |
| 100003705 | 9/30/2011 | 32.9 | MGT | Retirement |
| 100002843 | 9/30/2011 | 21.3 | MGT | Retirement |
| 100002068 | 9/30/2011 | 30.7 | MGT | Retirement |
| 100000568 | 9/30/2011 | 28.2 | MGT | Retirement |
| 78521 | 9/30/2011 | 37.4 | MGT | Retirement |
| 73730 | 9/30/2011 | 27.3 | MGT | Retirement |
| 70999 | 9/30/2011 | 17.4 | MGT | Retirement |
| 69445 | 9/30/2011 | 23.4 | MGT | Retirement |
| 68651 | 9/30/2011 | 36.1 | MGT | Retirement |
| 44172 | 9/30/2011 | 20.9 | MGT | Retirement |
| 35275 | 9/30/2011 | 46.2 | MGT | Retirement |
| 34436 | 9/30/2011 | 27.5 | MGT | Retirement |
| 25132 | 9/30/2011 | 9.0 | MGT | Retirement |
| 23185 | 9/30/2011 | 18.3 | MGT | Retirement |
| 23004 | 9/30/2011 | 26.9 | MGT | Retirement |
| 21935 | 9/30/2011 | 41.6 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 21737 | 9/30/2011 | 40.0 | MGT | Retirement |
| 20219 | 9/30/2011 | 38.8 | MGT | Retirement |
| 18790 | 9/30/2011 | 26.8 | MGT | Retirement |
| 17179 | 9/30/2011 | 3.0 | MGT | Retirement |
| 16333 | 9/30/2011 | 20.9 | MGT | Retirement |
| 15997 | 9/30/2011 | 26.8 | MGT | Retirement |
| 15181 | 9/30/2011 | 27.0 | MGT | Retirement |
| 15017 | 9/30/2011 | 5.3 | MGT | Retirement |
| 12190 | 9/30/2011 | 21.5 | MGT | Retirement |
| 10770 | 9/30/2011 | 21.1 | MGT | Retirement |
| 09878 | 9/30/2011 | 37.5 | MGT | Retirement |
| 09842 | 9/30/2011 | 37.6 | MGT | Retirement |
| 08819 | 9/30/2011 | 38.2 | MGT | Retirement |
| 08642 | 9/30/2011 | 39.2 | MGT | Retirement |
| 04174 | 9/30/2011 | 15.1 | MGT | Retirement |
| 02717 | 9/30/2011 | 31.4 | MGT | Retirement |
| 01992 | 9/30/2011 | 30.6 | MGT | Retirement |
| 01991 | 9/30/2011 | 32.7 | MGT | Retirement |
| 01346 | 9/30/2011 | 35.4 | MGT | Retirement |
| 01214 | 9/30/2011 | 35.6 | MGT | Retirement |
| 00615 | 9/30/2011 | 33.7 | MGT | Retirement |
| 100713814 | 9/30/2011 | 1.0 | MGT | Termination |
| 100713167 | 9/30/2011 | 2.7 | MGT | Termination |
| 100048683 | 9/30/2011 | 7.4 | MGT | Termination |
| 100019644 | 9/30/2011 | 8.9 | MGT | Termination |
| 100019417 | 9/30/2011 | 20.2 | MGT | Termination |
| 100018297 | 9/30/2011 | 11.1 | MGT | Termination |
| 100004647 | 9/30/2011 | 26.6 | MGT | Termination |
| 14966 | 9/30/2011 | 5.5 | MGT | Termination |
| 13091 | 9/30/2011 | 7.1 | MGT | Termination |
| 10272 | 10/1/2011 | 17.7 | MGT | Termination |
| 05288 | 10/1/2011 | 28.3 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 17705 | 10/3/2011 | 2.1 | MGT | Divestiture |
| 17130 | 10/3/2011 | 3.0 | MGT | Divestiture |
| 17006 | 10/3/2011 | 3.1 | MGT | Divestiture |
| 16934 | 10/3/2011 | 3.2 | MGT | Divestiture |
| 15327 | 10/3/2011 | 4.8 | MGT | Divestiture |
| 15244 | 10/3/2011 | 5.0 | MGT | Divestiture |
| 15227 | 10/3/2011 | 5.1 | MGT | Divestiture |
| 14265 | 10/3/2011 | 6.8 | MGT | Divestiture |
| 05267 | 10/3/2011 | 5.6 | MGT | Divestiture |
| 01305 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 01161 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 01151 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 01144 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 01116 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 01026 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00969 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00893 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00891 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00881 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00848 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00834 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00719 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00710 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00660 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00645 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00611 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00475 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00474 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00471 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00469 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00466 | 10/3/2011 | 7.3 | MGT | Divestiture |
| 00464 | 10/3/2011 | 7.3 | MGT | Divestiture |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 100005146 | 10/3/2011 | 24.7 | MGT | Retirement |
| 22827 | 10/3/2011 | 30.5 | MGT | Termination |
| 13977 | 10/3/2011 | 7.2 | MGT | Termination |
| 13018 | 10/3/2011 | 9.0 | MGT | Termination |
| 06637 | 10/3/2011 | 13.3 | MGT | Termination |
| 06232 | 10/3/2011 | 21.0 | MGT | Termination |
| 42090 | 10/4/2011 | 35.1 | MGT | Retirement |
| 21458 | 10/4/2011 | 11.1 | MGT | Termination |
| 18320 | 10/4/2011 | 1.4 | MGT | Termination |
| 18194 | 10/4/2011 | 1.7 | MGT | Termination |
| 100026390 | 10/5/2011 | 22.4 | MGT | Retirement |
| 01349 | 10/5/2011 | 18.1 | MGT | Termination |
| 100046768 | 10/6/2011 | 6.3 | MGT | Termination |
| 18357 | 10/6/2011 | 1.3 | MGT | Termination |
| 100711360 | 10/7/2011 | 2.3 | MGT | Termination |
| 100046954 | 10/7/2011 | 5.8 | MGT | Termination |
| 21556 | 10/7/2011 | 4.6 | MGT | Termination |
| 100711472 | 10/14/2011 | 2.1 | MGT | Termination |
| 100711725 | 10/15/2011 | 1.4 | MGT | Termination |
| 100711575 | 10/21/2011 | 1.9 | MGT | Termination |
| 100046688 | 10/28/2011 | 6.5 | MGT | Termination |
| 01189 | 10/30/2011 | 11.2 | MGT | Termination |
| 100034667 | 10/31/2011 | 47.5 | MGT | Retirement |
| 100019404 | 10/31/2011 | 39.5 | MGT | Retirement |
| 100015517 | 10/31/2011 | 39.0 | MGT | Retirement |
| 88780 | 10/31/2011 | 26.9 | MGT | Retirement |
| 82346 | 10/31/2011 | 24.8 | MGT | Retirement |
| 80349 | 10/31/2011 | 33.2 | MGT | Retirement |
| 75550 | 10/31/2011 | 24.8 | MGT | Retirement |
| 72700 | 10/31/2011 | 44.3 | MGT | Retirement |
| 46526 | 10/31/2011 | 32.5 | MGT | Retirement |
| 45612 | 10/31/2011 | 31.0 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 38674 | 10/31/2011 | 38.3 | MGT | Retirement |
| 37290 | 10/31/2011 | 25.0 | MGT | Retirement |
| 31255 | 10/31/2011 | 28.3 | MGT | Retirement |
| 30912 | 10/31/2011 | 34.9 | MGT | Retirement |
| 16571 | 10/31/2011 | 3.4 | MGT | Retirement |
| 16321 | 10/31/2011 | 3.5 | MGT | Retirement |
| 13627 | 10/31/2011 | 7.9 | MGT | Retirement |
| 10376 | 10/31/2011 | 22.2 | MGT | Retirement |
| 05608 | 10/31/2011 | 14.2 | MGT | Retirement |
| 01114 | 10/31/2011 | 35.9 | MGT | Retirement |
| 00282 | 10/31/2011 | 34.0 | MGT | Retirement |
| 100711331 | 10/31/2011 | 2.4 | MGT | Termination |
| 100054986 | 10/31/2011 | 3.0 | MGT | Termination |
| 100054785 | 10/31/2011 | 3.1 | MGT | Termination |
| 100053999 | 10/31/2011 | 3.3 | MGT | Termination |
| 100051057 | 10/31/2011 | 4.4 | MGT | Termination |
| 100016983 | 10/31/2011 | 24.6 | MGT | Termination |
| 100016672 | 10/31/2011 | 27.3 | MGT | Termination |
| 100008778 | 10/31/2011 | 22.4 | MGT | Termination |
| 100006485 | 10/31/2011 | 23.7 | MGT | Termination |
| 18281 | 10/31/2011 | 1.3 | MGT | Termination |
| 13896 | 11/3/2011 | 6.2 | MGT | Termination |
| 16847 | 11/7/2011 | 3.0 | MGT | Termination |
| 17066 | 11/8/2011 | 2.6 | MGT | Termination |
| 15215 | 11/8/2011 | 4.2 | MGT | Termination |
| 100006086 | 11/10/2011 | 28.2 | MGT | Death |
| 100711837 | 11/10/2011 | 0.9 | MGT | Termination |
| 17625 | 11/11/2011 | 2.4 | MGT | Termination |
| 13953 | 11/14/2011 | 7.4 | MGT | Termination |
| 100048662 | 11/15/2011 | 33.3 | MGT | Retirement |
| 100713782 | 11/15/2011 | 1.4 | MGT | Termination |
| 22944 | 11/15/2011 | 27.5 | MGT | Termination |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 03283 | 11/15/2011 | 8.9 | MGT | Termination |
| 100005247 | 11/18/2011 | 15.5 | MGT | Termination |
| 14442 | 11/20/2011 | 6.6 | MGT | Termination |
| 100001754 | 11/24/2011 | 22.0 | MGT | Death |
| 17304 | 11/25/2011 | 2.4 | MGT | Termination |
| 100034657 | 11/30/2011 | 38.8 | MGT | Retirement |
| 100033606 | 11/30/2011 | 25.5 | MGT | Retirement |
| 100029439 | 11/30/2011 | 33.4 | MGT | Retirement |
| 100027663 | 11/30/2011 | 32.9 | MGT | Retirement |
| 100021756 | 11/30/2011 | 31.6 | MGT | Retirement |
| 100019699 | 11/30/2011 | 34.8 | MGT | Retirement |
| 100019414 | 11/30/2011 | 35.0 | MGT | Retirement |
| 16440 | 12/9/2011 | 3.4 | MGT | Termination |
| 100011436 | 12/12/2011 | 13.0 | MGT | Termination |
| 21219 | 12/12/2011 | 0.0 | MGT | Termination |
| 21204 | 12/12/2011 | 0.0 | MGT | Termination |
| 100711532 | 12/16/2011 | 2.2 | MGT | Termination |
| 17849 | 12/16/2011 | 2.5 | MGT | Termination |
| 15114 | 12/16/2011 | 4.4 | MGT | Termination |
| 100019477 | 12/21/2011 | 23.8 | MGT | Termination |
| 100711834 | 12/30/2011 | 1.0 | MGT | Termination |
| 60003 | 12/30/2011 | 7.8 | MGT | Termination |
| 100048265 | 12/31/2011 | 37.1 | MGT | Retirement |
| 100020652 | 12/31/2011 | 26.7 | MGT | Retirement |
| 100019375 | 12/31/2011 | 26.2 | MGT | Retirement |
| 100019208 | 12/31/2011 | 26.3 | MGT | Retirement |
| 100010499 | 12/31/2011 | 28.5 | MGT | Retirement |
| 100008900 | 12/31/2011 | 44.5 | MGT | Retirement |
| 100004819 | 12/31/2011 | 30.6 | MGT | Retirement |
| 70904 | 12/31/2011 | 49.3 | MGT | Retirement |
| 50246 | 12/31/2011 | 24.0 | MGT | Retirement |
| 47025 | 12/31/2011 | 29.5 | MGT | Retirement |

**National Grid Management Terminations and Retirements 2007 - 2011**

| Employee ID | Termination/Retirement Date | Years of Service | Union/Mgmt Code | Reason for Leaving |
|---|---|---|---|---|
| 03763 | 12/31/2011 | 30.4 | MGT | Retirement |
| 02640 | 12/31/2011 | 31.9 | MGT | Retirement |
| 02463 | 12/31/2011 | 24.0 | MGT | Retirement |
| 01352 | 12/31/2011 | 33.2 | MGT | Retirement |
| 00104 | 12/31/2011 | 37.5 | MGT | Retirement |
| 17660 | 12/31/2011 | 2.4 | MGT | Termination |

Date of Request: May 15, 2012
Due Date: May 25, 2012

Request No. DPS-58(RES-3)
NMPC Req. No. NM 58

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Rick Schuler

TO: Human Resources Panel

SUBJECT: Composition of Management and Union Peer Groups

Request: Regarding page 17, line 5, page 39 lines 4 – 5 and page 40, lines 7 - 11 of the testimony of the Human Resources Panel, please explain why different companies were included in the peer groups used to analyze the competitiveness of Niagara Mohawk's base pay, variable pay and benefits packages. Please separately list the peer companies used for the comparative analyses for base salary, variable pay and benefits, and discuss why each company that was not included in each and every peer group, could not have been included in all peer groups. Please also explain why these peer groups differ from the peer group identified in Exhibit MPH-5, page 3 of 44 from the company's last rate case 10-E-0050.

Response:

The following tables provide an overview of the companies that are included in the peer groups for the comparative analyses for base salary, variable pay and benefits. A total of three distinct peer groups were developed. The variation between the peer groups was necessary in order to differentiate the peers that National Grid competes against for its workforce attraction and retention.

Management BENVAL and Compensation Peer Group:

This peer group was developed to determine the competitiveness of the total compensation and benefits package offered to management employees at National Grid. This peer group comprises thirty-eight (38) companies across the energy industry and general industry. The peer group includes companies both inside and outside of the energy services industry as National Grid competes with all companies in an effort to attract and retain key talent for its management positions. Most recently, National Grid has hired employees from several companies included in the peer group including Consolidated Edison, Verizon, Fidelity, Constellation Energy and IBM, to name a few.

The peer group includes organizations of varying revenue size including investor owned utilities in the New York and Northeast regions.

The use of a consistent peer group allowed for a comprehensive analysis of data between all elements of compensation (salary and variable) and benefits and enabled the average total cash compensation (salary and variable) to be combined with benefit value results in order to assess the overall competitiveness of the total rewards package.

Companies were selected from Towers Watson's Benefits and Compensation databases. The databases have over 1,000 participants and contain market data for 35 industries. The database covers retirement, health and welfare, paid time off, lifestyle and flexible benefits and compensation elements such as base salary, target annual variable pay and target total cash.

The current peer group was expanded from the group used in the previous rate filing in order to provide a broader sample of energy and general industry employers. The only companies not included from the prior study were Colgate Palmolive and FPL. Colgate Palmolive was excluded from the current peer group because the information retained by Towers Watson was dated and FPL was excluded because there was no compensation data available in the Towers Watson database.

Union BENVAL Peer Group:
This peer group was developed in order to determine the competitiveness of the benefits package offered to members of IBEW Local 97. The peer group comprises twenty-one (21) companies in the energy industry and includes investor owned utilities in New York and, to the extent possible, energy industry companies used in the management peer group with a union presence. The energy industry was chosen because National Grid competes with other utilities in filling its union positions. National Grid has hired union employees from companies in the peer group such as Constellation Energy and Entergy.

The Union BENVAL peer group used in the last filing overlaps to some degree with the Union peer group used in the current case. However, because the 2012 study used only the energy industry companies included in the management peer group that have a union presence, the 2012 Union BENVAL study does not use the same group as the study presented in the Company's previous base rate case.

Union Compensation Peer Group:
A separate peer group had to be developed to assess the competitiveness of the union compensation package. Survey guidelines require a minimum of 5 data points to present the average or median of any data set and there was insufficient compensation information in the Towers Watson database for union positions in the peer group used in the union BENVAL analysis.

The peer group that was chosen represents the entire energy services participant group in the Towers Watson survey which comprises 124 companies including investor owned utilities in New York.

| Management BENVAL & Compensation Peer Group (n=38) | Union BENVAL Peer Group (n=21) |
|---|---|
| • 3M<br>• Ameren Corporation<br>• American Electric Power System<br>• American Express Company<br>• American International Group, Inc.<br>• American Water<br>• CenterPoint Energy, Inc.<br>• Citigroup<br>• Consolidated Edison Company of New York, Inc.<br>• Constellation Energy Group, Inc.<br>• DTE Energy<br>• Duke Energy Corporation<br>• Energy Future Holdings Corp.<br>• Entergy Corporation<br>• Exelon Corporation<br>• FedEx Ground<br>• Fidelity Investments<br>• Hess Corporation<br>• Integrys Energy Group, Inc.<br>• International Business Machines Corporation<br>• ISO New England<br>• MasterCard Worldwide<br>• MDU Resources Group, Inc.<br>• Northeast Utilities Service Company<br>• NSTAR<br>• ONEOK, Inc.<br>• Pacific Gas and Electric Company<br>• Pitney Bowes Inc.<br>• PPL<br>• Progress Energy, Inc.<br>• Public Service Enterprise Group<br>• Sempra Energy<br>• Southern California Edison<br>• TransCanada USA Services Inc<br>• United States Steel Corporation<br>• United Technologies Corporation<br>• Verizon<br>• NYISO | • Ameren Corporation<br>• American Electric Power System<br>• CenterPoint Energy, Inc.<br>• Consolidated Edison Company of New York, Inc.<br>• Constellation Energy Group, Inc. - NMP Union<br>• DTE Energy – Union<br>• Duke Energy Corporation<br>• Energy Future Holdings Corp.<br>• Entergy Corporation<br>• Exelon West<br>• MDU Resources Group, Inc.<br>• Northeast Utilities Service Company<br>• NSTAR<br>• NSTAR - Gas Union<br>• ONEOK, Inc.<br>• Pacific Gas and Electric Company<br>• PPL<br>• Progress Energy, Inc.<br>• Public Service Enterprise Group<br>• Southern California Edison<br>• Integrys Energy Group, Inc. - PEC Union |

| Union Compensation Peer Group (n=124) | | | |
|---|---|---|---|
| • Acciona | • El Paso Corporation | • NV Energy | • Trans Bay Cable |
| • AEI Services | • El Paso Electric | • NW Natural | • TransCanada USA Services Inc. |
| • AGL Resources | • EQT Corporation | • Oak Ridge National Laboratory | • UIL Holdings |
| • Allete | • Enbridge Energy | • OGE Energy | • UniSource Energy |
| • Alliance Pipeline | • Energy Future Holdings Corp. | • Oglethorpe Power | • Unitil |
| • Alliant Energy | • Energy Northwest | • Old Dominion Electric | • USEC |
| • Alyeska Pipeline Service | • Entergy Corporation | • Omaha Public Power | • Vectren |
| • Ameren Corporation | • EPCO | • ONEOK, Inc. | • Westar Energy |
| • American Electric Power System | • Exelon Corporation | • Orlando Utilities Commission | • Westinghouse Electric |
| • ATC Management | • FirstEnergy | • Pacific Gas & Electric Company | • Williams Companies |
| • Avista | • First Solar | • Pepco Holdings | • Wisconsin Energy |
| • Bechtel Marine Propulsion - Bettis | • GenOn Energy | • Pinnacle West Capital | • Wolf Creek Nuclear |
| • BG US Services | • Granite Services Inc. | • PNM Resources | • Xcel Energy |
| • Black Hills | • Great River Energy | • Portland General Electric | |
| • Brookfield Renewable Energy | • Hawaiian Electric | • PPL | |
| • Calpine | • Iberdrola Renewables | • Progress Energy, Inc. | |
| • Capital Power Corporation | • IDACORP | • Proliance Holdings | |
| • CenterPoint Energy, Inc. | • Idaho National Laboratory | • Public Service Enterprise Group | |
| • Central Vermont Public Service | • Integrys Energy Group, Inc. | • Puget Energy | |
| • Chelan County Public Utility District | • IPR - GDF SUEZ North America | • Questar | |
| • CH Energy Group | • Kinder Morgan | • Regency Energy Partners LP | |
| • Cheniere Energy | • LES | • RES Americas | |
| • City of Garland | • LG&E and KU Energy Services | • SAIC | |
| • Cleco | • Lower Colorado River Authority | • Salt River Project | |
| • CMS Energy | • MGE Energy | • Santee Cooper | |
| • Colorado Springs Utilities | • MidAmerican Holdings | • SCANA | |
| • Consolidated Edison Company of New York, Inc. | • Nebraska Public Power District | • SemGroup | |
| • Constellation Energy Group, Inc. | • Newport News Shipbuilding | • Sempra Energy | |
| • Covanta Holdings | • New York Power Authority | • Southern California Edison | |
| • CPS Energy | • NextEra Energy | • Southern Company Services | |
| • Crosstex Energy | • Nicor | • Southern Union Company | |
| • DCP Midstream | • NiSource | • Southwestern Energy | |
| • Dominion Resources | • Northeast Utilities Service Company | • Spectra Energy | |
| • DPL | • NorthWestern Energy | • STP Nuclear Operating | |
| • DTE Energy | • NRG Energy | • TECO Energy | |
| • Duke Energy Corporation | • NSTAR | • Tennessee Valley Authority | |
| • EDP Renewables North America LLC | • Nuscale Power | • TransAlta Corporation | |

Name of Respondent: | Date of Reply:

Lori Santoro | May 25, 2012

Form 103

Date of Request: May 15, 2012 Request No. DPS-60(RES-5)
Due Date: May 25, 2012 NMPC Req. No. 60

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Rick Schuler

TO: Human Resources Panel

SUBJECT: Compensation Plan Evaluation

Request: Regarding the attainment of targeted performance mentioned on page 32, lines 16 - 20 and page 41 lines 13 - 14 of the testimony of the Human Resources Panel, and the overall reasonableness of the company's compensation expense discussed on page 34, lines 8 - 10, please provide all information that was reviewed and approved by the company's senior management and Board of Directors. Please also provide, in a useable electronic file, the company's tracking of performance against its targeted objectives and metrics.

Response:

The information that was reviewed and approved by senior management in April 2012 relative to the targeted levels of performance included in the 2012/2013 Annual Performance Plan is provided in Attachment 1 to RES-5. These metrics are customer focused and comprise Stewardship, Customer Responsiveness, Safety & Reliability and Cost Competitiveness.

National Grid will track and report on the Company's performance against targeted objectives and metrics on a monthly basis. The mechanism for tracking these metrics is currently under development and will be available for monthly reporting beginning in July 2012. A draft version of the template that will be used for reporting is provided in Attachment 2 to RES-5. Once finalized, an electronic file will be provided.

With respect to the statement made on page 34, lines 8 – 10, this statement is based on the information provided in the Human Resources Panel testimony.

Name of Respondent: Date of Reply:

Lori Santoro May 25, 2012

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# FY13 Performance Targets

Annual Performance Targets

# Our Annual Performance Plan metrics are consistent with the customer value areas for Elevate 2015.

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## Elevate 2015 Performance Metrics

| | | | | |
|---|---|---|---|---|
| **Customer Value** | Stewardship | Customer Responsiveness | Safety & Reliability | Cost Competitiveness |
| **12/13 Line of Sight Priorities** | We will expand our influence and position ourselves as stewards in the communities we serve by deepening our relationships with key jurisdiction stakeholders and helping them achieve their local economic and environmental goals. | We will deliver significant improvements in how we meet our customer commitments. | We will focus on process excellence and investments to modernize our networks to provide safe, reliable, and efficient operations. | We will position ourselves as a cost leader in the delivery of utility services to customers through continuous improvement, cost transparency, and clear accountability. |
| **Measure** | *A measure of Alva and JD Power – Corporate Citizen performance* | *A measure of Transaction Surveys, Web Surveys, and JD Power performance.* | *A measure of reduction of RTCs, LTIs, OSHA Recordables (safety), and meeting Regulatory Goals (reliability).* | *A measure of controllable costs to ensure that we are efficient and our costs have clear transparency and justification.* |

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# Stewardship

| Stewardship | A measure of Alva and JD Power – Corporate Citizen performance. Alva is a proprietary daily web-crawling text analysis on National Grid sentiment within a peer set. We are also using the Corporate Citizenship measure in JD Power. |
|---|---|

| | | % Weighting |
|---|---|---|
| 1 | Alva Reputation Index | 50% |
| 2 | JD Power Corporate Citizenship | 50% |

| Threshold | Target | Stretch |
|---|---|---|
| FY12 Performance | Statistically significant increase from FY12 | Two statistically significant increases from FY12 |

**Improvement from FY12 Actual**

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# Customer Responsiveness

**Customer Responsiveness**

A measure of Transaction Surveys, Web Surveys, and JD Power performance. We are including high volume transactions and the low volume transactions.

| | | % Weighting |
|---|---|---|
| 1 | Customer Contact Surveys (High Volume) | 60% |
| 2 | Order Fulfillment Surveys (Low Volume) | 20% |
| 3 | JD Power | 20% |

| Threshold | Target | Stretch |
|---|---|---|
| FY12 Performance | Statistically significant increase from FY12 | Two statistically significant increases from FY12 |

**Improvement from FY12 Actual**

# Safety

| Safety | A measure of US performance with reducing the amount of Road Traffic Collisions (RTC), OSHA Recordable Incidents, and the US Lost Time Injuries (LTI). This measure will allow us to focus on reducing the more serious workplace injuries and better aligning to the Group Level Injury Frequency Rate (IFR) goal. |
|---|---|

| | | % Weighting |
|---|---|---|
| 1 | Road Traffic Collisions (RTC) | 40% |
| 2 | OSHA Recordable Incidents | 30% |
| 3 | Lost Time Injuries (LTI) | 30% |

| Threshold | Target | Stretch |
|---|---|---|
| 5% | 10% | 20% |

**Reduction from FY12 Actual**

# Reliability

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| Reliability | A measure of our ability to meet the performance requirements set by our regulators in our gas and electric operations. These requirements vary by operating company |
|---|---|

Regulatory Goals

Goals Achieved

100%

All targets met within Jurisdiction.



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# Cost Competitiveness

| Cost Competitiveness | A measure of our ability to focus on controllable costs without sacrificing quality of service to customers through driving efficiencies within our business with clear accountability and transparency.<br><br>Goal set at FY13 NGUSA Business Plan target, $2,038m |
|---|---|

**Controllable Costs**

| Threshold | Target | Stretch |
|---|---|---|
| $2,088m | $2,038m | $1,958m |

**Controllable Costs in BP12**

Our threshold and stretch goals are reached by applying +8% and -5% respectively against our non-labor controllable costs (approx $1,000m) of the total $2,038m which accounts for labor savings reached through restructuring.

# These metrics will be cascaded down by Functions and Jurisdictions to drive improved performance.

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ILLUSTRATIVE

| Stewardship | [redacted]shold | Ta[redacted]tch |
|---|---|---|
| | [redacted] | 4.[redacted]0 |

| PERFORMANCE RESULTS | Result | Performance |
|---|---|---|
| 25% Alva Ranking | [redacted] | 2.5 |
| 25% Alva Performance | [redacted] | 2.5 |
| 8% Elec Residential Ranking (out of 17 peers) | [redacted] | 0.3 |
| 8% Elec Residential Performance | [redacted] | 0.4 |
| 5% Elec Business ranking (out of 13 peers) | [redacted] | BELOW THRESHOLD |
| 4% Elec Business Performance | [redacted] | BELOW THRESHOLD |
| 8% Gas Residential Ranking (out of 10 peers) | [redacted] | 0.1 |
| 8% Gas Residential Performance | [redacted] | 0.2 |
| 5% Gas Business Performance Ranking (out of 11 peers) | [redacted] | BELOW THRESHOLD |
| 4% Gas Business Performance | [redacted] | BELOW THRESHOLD |
| | US PERFORMANCE | 6.0 |

Performance at Stretch for Alva

Performance at Target for Electric Res.

Performance at Threshold for Gas Res

Total US Stewardship Performance = 6.0 Translates into meeting Target for Stewardship metric.

Areas requiring most focus.

| [redacted] | | | | |
|---|---|---|---|---|
| 25% Alva Ranking | 4th | 9th | 7th | 5th |
| 25% Alva Performance | 7.02 | 6.27 | 6.52 | 6.94 |
| 8% Elec Residential Ranking (out of 17 pe | 9th | 11th | 8th | 5th |
| 8% Elec Residential Performance | 543 | 536 | 542 | 548 |
| 5% Elec Business ranking (out of 13 peers | 6th | 5th | 4th | 3rd |
| 4% Elec Business Performance | 596 | 602 | 608 | 620 |
| 8% Gas Residential Ranking (out of 10 pe | 6th | 6th | 4th | 2nd |
| 8% Gas Residential Performance | 578 | 575 | 581 | 587 |
| 5% Gas Business Performance Ranking (o | 6th | 5th | 4th | 3rd |
| 4% Gas Business Performance | 596 | 602 | 608 | 620 |

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# Appendix – US FY13 Targets

US Annual Performance Plan

## Goal Setting Methodology for Stewardship & Customer Responsiveness

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| | | |
|---|---|---|
| Stewardship Metrics | Alva Reputation | Proprietary daily web-crawling text analysis on National Grid sentiment within a peer set. Using a two-tiered approach: performance and ranking. Threshold is set to the most recent cummulative performance and ranking data for National Grid US with consistent and statistically significant increases in goal level for both Target and Stretch. |
| | JDP Corporate Citizenship | Using a two-tiered approach: performance and ranking. Threshold is set on a statistically significant improvement over the prior year. |

| | | |
|---|---|---|
| Responsiveness Metrics | Customer Service | 10 point scale Net Satisfaction Score, monthly telephone survey. Threshold is set to prior year performance with consistent and statistically significant increases in goal level for both Target and Stretch. There is adequate resolution in this study to allow individual goals at the jurisdictional level. |
| | Website | Top 2 box score on a 5 point scale, pop-up web survey (was annual, moving to quarterly) Threshold is set to prior year performance with consistent and statistically significant increases for both Target and Stretch. |
| | Gas Conversion<br>Electric Order Fulfillment | Both 10 point scale Net Satisfaction Score. Threshold is set to prior year performance with consistent statistically significant increases in performance for Target and Stretch. Gas Conversion is conducted among customers converting to gas in the prior month; Electric Operations order fulfillment conducted among Trade Allies. |
| | DG Interconnect | Actual metric: % On-Time Interconnections (within 10 days in UNY, mandated. Within 15 days NE, not mandated) |
| | JD Power Studies | Opt-in web surveys, 4 times per year residential, 2 times per year business. Using a two-tiered approach: performance and ranking. Threshold is set to prior year ranking and performance with statistically significant increases in goal levels for both Target and Stretch. |

# Stewardship

| Primary Category Weights | Study Component Weights | | | | Benchmark Performance* | FY13 Recommended Rankings | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Threshold | Target | [redacted] |
| ALVA Reputation Index 50% | 25% | Alva Ranking (out of 12 peers) | | | 10th | 10th | 8th | [redacted] |
| | 25% | Alva Performance | | | 6.19 | 6.19 | 6.42 | [redacted] |
| JD Power Corporate Citizenship 50% | 8% | Electric Residential | Ranking (out of 17 peers) | | 13th | 13th | 11th | [redacted] |
| | 8% | | Performance | | 530 | 530 | 536 | [redacted] |
| | 5% | Electric Business | Ranking (out of 12 peers) | | 6th | 6th | 5th | [redacted] |
| | 4% | | Performance | | 596 | 596 | 602 | [redacted] |
| | 8% | Gas Residential | Ranking (out of 10 peers) | | 8th | 8th | 6th | [redacted] |
| | 8% | | Performance | | 569 | 569 | 575 | [redacted] |
| | 5% | Gas Business | Ranking (out of 11 peers) | | 9th | 9th | 4th | [redacted] |
| | 4% | | Performance | | 631 | 631 | 645 | [redacted] |

* ALVA Benchmark Performance is based on the most recent cumulative period for National Grid US. All JD Power results are based on the most recent full year study results for the Corporate Citizenship Factor.

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# Customer Responsiveness

| Primary Category Weights | Study Component Weights | | | Benchmark Performance* | FY13 Recommended Goal Levels | | |
|---|---|---|---|---|---|---|---|
| | | | | | Threshold | Target | [redacted] |
| High Volume Customer Contact 60% | 40% | Customer Service (formerly Contactor) | | 79.9 | 79.9 | 81.5 | [redacted] |
| | 20% | Website Overall Satisfaction | | 47.9 | 47.9 | 53.8 | [redacted] |
| Low Volume Order Fulfillment 20% | 8% | Gas Conversion Process Satisfaction | | 67.7 | 67.7 | 69.5 | [redacted] |
| | 8% | Electric Order Fulfillment Satisfaction | | 64.5 | 64.5 | 66.7 | [redacted] |
| | 4% | Distributed Generation On-Time Interconnects | | 82.8 | 82.8 | 85.0 | [redacted] |
| Image, JD Power Overall Score 20% | 3% | JD Power Electric Residential | Ranking (out of 17 peers) | 12th | 12th | 10th | [redacted] |
| | 3% | | Performance | 602 | 602 | 608 | [redacted] |
| | 2% | JD Power Electric Business | Ranking (out of 12 peers) | 5th | 5th | 4th | [redacted] |
| | 2% | | Performance | 641 | 641 | 651 | [redacted] |
| | 3% | JD Power Gas Residential | Ranking (out of 10 peers) | 7th | 7th | 5th | [redacted] |
| | 3% | | Performance | 601 | 601 | 607 | [redacted] |
| | 2% | JD Power Gas Business | Ranking (out of 11 peers) | 7th | 7th | 3rd | [redacted] |
| | 2% | | Performance | 660 | 660 | 673 | [redacted] |

* Customer Contact and Order Fulfillment Benchmark Performance are based on the most recent 12 consecutive months of data which takes seasonality into consideration. All JD Power results are based on the most recent full year study results.

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# Reliability Goals by Jurisdiction

| | | [redacted] | New York | | | Rhode Island | LIPA | LI Generation | US Wide |
|---|---|---|---|---|---|---|---|---|---|
| | | [redacted] | NYC | LI | Upstate NY | | | | |
| Electric Reliability | SAIFI | [redacted] | - | - | 1.13 | 1.05 | 1.00 | Summer DMNC: 3,625 - 3,659 MW<br>Summer Availability: 94.1 - 96.5%<br>Heat Rate Savings: >$0<br>Opacity Compliance: 99.0 - 99.5%<br>NOx Reduction: >0 - 5% | Rolled up target of all jurisdictions weighted by the size of customer base. |
| | SAIDI | [redacted] | - | - | - | 71.90 | 68.60 | | |
| | CAIDI | [redacted] | - | - | 123.00 | - | 75.56 | | |
| | Storm CAIDI | [redacted] | - | - | - | - | 221.15 | | |
| | MAIFI | [redacted] | - | - | - | - | 4.80 | | |
| [redacted] | | [redacted] | <75 | <75 | <45 | <45 | - | | |
| | | [redacted] | 75% | 75% | 75% | Day 94.38% / Other 95.27% (July to June) (Daytime 30 mins or less All other 45 mins or less) | - | | |
| | | [redacted] | 90% | 90% | 90% | | - | | |
| | | [redacted] | 95% | 95% | 95% | | - | | |
| Jurisdiction Targets | | 8 / 12 | 14 | | | 5 | 5 | 5 | |

[redacted]

| | | | |
|---|---|---|---|
| MA | No payout for less than 8 targets achieved. | No payout for less than 8 targets achieved. | Achieve 8 out of 8 targets for SAIDI, SAIFI, CAIDI, Leak Backlog & Emergency Response Time. |
| NH | No payout for less than 12 targets achieved. | No payout for less than 12 targets achieved. | Achieve 12 out of 12 targets for SAIDI, SAIFI, CAIDI, Leak Backlog & Emergency Response Time. |
| NY | No payout for less than 14 targets achieved. | No payout for less than 14 targets achieved. | Achieve 14 out of 14 targets for SAIDI, SAIFI, CAIDI, Leak Backlog & Emergency Response Time. |
| RI | No payout for less than 5 targets achieved. | No payout for less than 5 targets achieved. | Achieve 5 out of 5 targets for SAIDI, SAIFI, CAIDI, Leak Backlog & Emergency Response Time. |
| LIPA | No payout for less than 5 targets achieved. | No payout for less than 5 targets achieved. | Achieve all 5 reliability performance target levels, plus no net financial penalty for all ten operational metrics. |
| US Gen | No payout for less than 6 targets achieved. | No payout for less than 6 targets achieved. | Achieve 6 out of 6 targets for Fleet Availability, EFORd, DMNC Testing, Heat Rate Incentive, Opacity, and NOx Compliance. |
| US Wide | Rolled up by jurisdictions achieving stretch performance. (Jurisdictional weighting based on size of customer base) | | |

# US Safety Goals

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| | FY2012 Actual Rates | [redacted] | 10% Reduction | Target Values | 20% Reduction | Stretch Values |
|---|---|---|---|---|---|---|
| [illegible] | 7.42 | [redacted] | 6.68 | 536 | 5.94 | 476 |
| [illegible] | 4.46 | [redacted] | 4.01 | 628 | 3.57 | 558 |
| [illegible] | 0.81 | [redacted] | 0.73 | 114 | 0.65 | 101 |

Templates

DRAFT – FOR DISCUSSION PURPOSES ONLY

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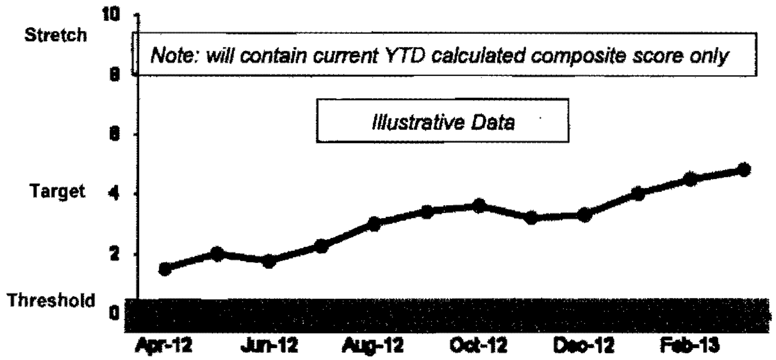
# Stewardship

## Current Composite Score




## Metrics Summary

Illustrative Data

| | APP Metrics | | NG USA | Jurisdictions MA | NY | RI | Thresh | Target | Stretch | Prior Mo |
|---|---|---|---|---|---|---|---|---|---|---|
| 50% | Alva Reputation Index | Ranking (25%) | 10th | [redacted] | 10th | 8th | 10th | 8th | 6th | |
| | | Performance (25%) | 6.25 | 6.19 | 6.72 | [redacted] | 6.19 | 6.42 | 6.88 | |
| 50% JD Power Corporate Citizenship | Electric Residential (16%) | Ranking (8%) | 13th | | | | 13th | 11th | 8th | |
| | | Performance (8%) | 530 | | | | 530 | 536 | 542 | |
| | Electric Business (9%) | Ranking (5%) | 6th | | | | 6th | 5th | 4th | |
| | | Performance (4%) | 596 | Data not available by Jurisdiction | | | 596 | 602 | 608 | |
| | Gas Residential (16%) | Ranking (8%) | 8th | | | | 8th | 6th | 4th | |
| | | Performance (8%) | 569 | | | | 569 | 575 | 581 | |
| | Gas Business (9%) | Ranking (5%) | 9th | | | | 9th | 4th | 3rd | |
| | | Performance (4%) | 631 | | | | 631 | 645 | 659 | |

## Most Powerful Levers

- Review specific metrics (JD Power Citizenship, Alva) that comprise the overall Stewardship score to identify problem areas or positive changes that drove the most recent change in score
- <Insert> - commentary on what drove the score to change or not change in the month – add specific examples (e.g. JD Power negatively impacted because of drop in…)

## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

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RES -5 Attachment 2
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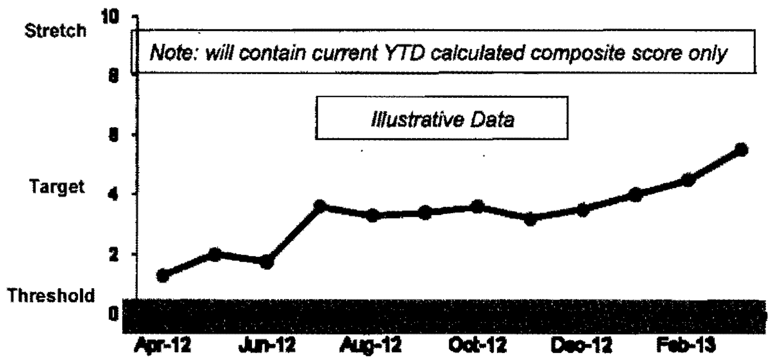
# Customer Responsiveness

## Current Composite Score




## Metrics Summary

| | APP Metrics | | NG USA | Jurisdictions MA | NY | RI | Thresh | Target | Stretch | Prior Mo. |
|---|---|---|---|---|---|---|---|---|---|---|
| 60% | Customer Service (40%) | | 79.9 | 80.1 | [redacted] | 80.1 | 79.9 | 81.5 | 83.1 | |
| | Website Overall Satisfaction (20%) | | 47.9 | 55.1 | 48.2 | 55.4 | 47.9 | 53.8 | 56.2 | |
| 20% | Gas Conversion Process Satisfaction (8%) | | 67.7 | [redacted] | 67.9 | [redacted] | 67.7 | 69.5 | 71.3 | |
| | Electric Order Fulfillment Satisfaction (8%) | | 64.5 | 67.9 | 69.7 | [redacted] | 64.5 | 66.7 | 68.9 | |
| | Distributed Generation On-Time Interconnects (4%) | | 82.8 | [redacted] | 86.4 | 82.9 | 82.8 | 85.0 | 87.3 | |
| 20% | Electric Residential (6%) | Ranking (3%) | 12th | | | | 12th | 10th | 7th | |
| | | Performance (3%) | 602 | Illustrative Data | | | 602 | 608 | 614 | |
| | Electric Business (4%) | Ranking (2%) | 5th | Data not available by Jurisdiction | | | 5th | 4th | 3rd | |
| | | Performance (2%) | 641 | | | | 641 | 651 | 661 | |
| | Gas Residential (6%) | Ranking (3%) | 7th | | | | 7th | 5th | 4th | |
| | | Performance (3%) | 601 | | | | 601 | 607 | 613 | |
| | Gas Business (4%) | Ranking (2%) | 7th | | | | 7th | 3rd | 2nd | |
| | | Performance (2%) | 660 | | | | 660 | 673 | 686 | |

## Most Powerful Levers

- Review specific metrics that comprise the overall Customer Responsiveness score to identify problem areas or positive changes that drove the most recent change in score
- <u><Insert></u> - commentary on what drove the score to change or not change in the month – add specific examples. (e.g. website satisfaction was down this month because of unexpected downtime which impacted online billpay…)

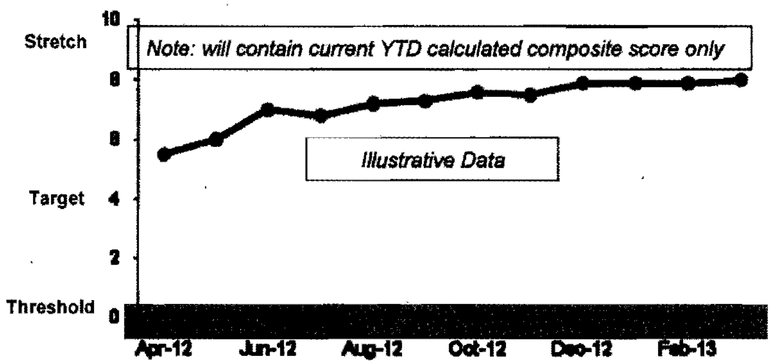
## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

DRAFT – FOR DISCUSSION PURPOSES ONLY

# Safety & Reliability

## Current Composite Score




For metrics summary see
Safety & Reliability Detail pages

## Most Powerful Levers

- Review specific metrics that comprise the overall Safety & Reliability score to identify problem areas or positive changes that drove the most recent change in score
- <Insert> - commentary on what drove the score to change or not change in the month – add specific examples. (e.g. Gas leak backlog decreased due to newly implemented response process ...)

## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

[1]Rolled up metric of all electric & gas scores reported monthly by jurisdictions, weighted according to the size of customer base

DRAFT – FOR DISCUSSION PURPOSES ONLY

nationalgrid
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# Safety Detail

## Metrics Summary

| APP Metrics | NGUSA | FY12 Actuals | Thresh. | Target | Stretch | Prior Mo. |
|---|---|---|---|---|---|---|
| | | | *Reduction from FY12 Actual* | | | |
| | | | 5%↓ | 10%↓ | 20%↓ | |
| Road Traffic Collisions (RTC) (20%) | 7.04 | 7.42 | 7.05 | 6.68 | 5.94 | |
| OSHA Recordable Incidents (15%) | 4.23 | 4.46 | 4.24 | 4.01 | 3.57 | |
| Lost Time Injuries (LTI) (15%) | .75 | 0.81 | 0.77 | 0.73 | 0.65 | |

*Illustrative Data*

## Most Powerful Levers

- Review specific changes that occurred during the month resulting in a change in Safety metric results
- <Insert> - commentary on what drove the score to change or not change in the month – add specific examples. (e.g. Implementation of safe driving program led to reduction of RTCs …)

## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

[1]*Rolled up metric of all electric & gas scores reported monthly by jurisdictions, weighted according to the size of customer base*

DRAFT – FOR DISCUSSION PURPOSES ONLY

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# Reliability Detail

## Reliability Results

| | | Massachusetts MA | Massachusetts Nantucket | New Hampshire | New York NYC | New York LI | New York Upstate NY | Rhode Island | LIPA | LI Generation | US Wide |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electric Reliability | SAIFI | 1.431 | 0.678 | 1.80 | | | 1.13 | 1.05 | 1.00 | | |
| | SAIDI | 153.98 | 38.00 | 126.00 | | | | 71.90 | 68.90 | | |
| | CAIDI | | | | | | 123.00 | | 75.56 | | |
| | Storm CAIDI | | | | | | | | 221.15 | | |
| | MAIFI | | | | | | | | 4.80 | 1. Summer DMNC: 3,625 - [illegible] MW<br>2. Summer Availability: 94.1 - 96.5%<br>3. Heat Rate Savings: >60<br>4. Opacity Compliance: 99.0 - 99.5%<br>5. NOx Reduction: >0 - 6% | |
| Gas Leak Backlog | | <235 | | 0 | <75 | <75 | <45 | <45 | | | Rolled up target of all jurisdictions weighted by the size of customer base. |
| Gas Emergency Response Time | 30 min target | 75% | | 1. Daytime 82%<br>2. Aft Hrs 85%<br>3. Wkends Holidays 75% | 75% | 75% | 75% | 1. Day 94.38%<br>2. Other 95.27% (July to June) (Daytime 30 mins or less All other 45 mins or less) | | | |
| | 45 min target | 90% | | 1. Daytime 90%<br>2. Aft Hrs 88%<br>3. Wkends Holidays 84% | 90% | 90% | 90% | | | | |
| | 60 min target | 95% | | 1. Daytime 97%<br>2. Aft Hrs 96%<br>3. Wkends Holidays 94% | 95% | 95% | 95% | | | | |
| Jurisdiction Targets | | 8 | | 12 | | 14 | | 5 | 5 | 5 | |

| Key | |
|---|---|
| (light shading) | Performance meets or exceeds Target |
| (dark shading) | Performance below Target |
| (white) | Not applicable |

*Illustrative Data – these are the FY13 Targets for each Jurisdiction*

## Most Powerful Levers

- Review specific metrics that fell short of target for the period
- <u><Insert></u> - commentary on what drove the exceed or fall short of Target in the month – add specific examples. (e.g. Gas leak backlog decreased due to newly implemented response process ...)

## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

DRAFT – FOR DISCUSSION PUPOSES ONLY

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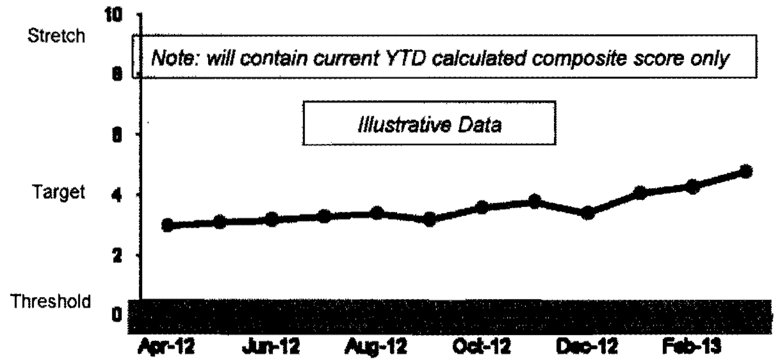
# Cost Competitiveness

## Current Composite Score




## Metrics Summary

| APP Metrics | Actuals | Thresh. | Target | Stretch | Prior Mo. |
|---|---|---|---|---|---|
| Total Controllable Costs | $2,045M | $2,088M | $2,038M | $1,958M | |

## Most Powerful Levers

- Review specific metrics that comprise the overall Cost Competitiveness score to identify problem areas or positive changes that drove the most recent change in score
- <Insert> - commentary on what drove the score to change or not change in the month – add specific examples. (e.g. Total Controllable Costs higher due to increased O&M OPEX Spend ...)

## Initiatives to Improve Performance

- Identify top actions planned to improve performance including cost, functions and jurisdictions impacted
- Review progress from previous actions and highlight trends or improvements achieved

Date of Request: May 15, 2012
Due Date: May 25, 2012

Request No. DPS-61(RES-6)
NMPC Req. No. NM-61

NIAGARA MOHAWK POWER CORPORATION

Case No.12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid- Electric and Gas Rates

Request for Information

FROM: Rick Schuler

TO: Human Resources Panel

SUBJECT: BLS Information

Request: Regarding the Bureau of Labor Statistics related analysis discussed on page 40 of the testimony of the Human Resources Panel, please indicate whether the company has, in the last ten years, provided data, for both union and management positions, to the Bureau of Labor Statistics in response to the BLS's data collection effort for its National Compensation Survey (NCS).http://www.bls.gov/ncs/collection.htm. If so, indicate how the duties and responsibilities of the job titles for which the company provided the BLS data correspond to the Standard Occupational Classifications listed in Appendix B of the BLS Bulletin titled "National Compensation Survey: Occupational Earnings in the United States, 2010"http://www.bls.gov/ncs/ocs/sp/ncbl0841.pdf. Also indicate how the Standard Occupational Classifications listed in Appendix B of the BLS Bulletin correspond to the job titles in shown on Schedule 1, page 1 of Exhibit HRP-5.

Response:
The Company has not provided any data in the last ten years to the Bureau of Labor Statistics for either union or management positions in response to the BLS data collection efforts for the National Compensation Survey.

Attachment 1 to RES-6 details how the Standard Occupational Classifications (SOC) listed in Appendix B of the BLS Bulletin correspond to the job titles show on Schedule 1, page 1 of Exhibit HRP-5. It should be noted that the SOC System does not distinguish between individual jobs; rather, it provides a "collective description of a number of individual jobs performed, with minor variations, in many establishments" (*Dictionary of Occupational Titles, Revised 4th edition*, Vol. 1, p. xvii, U.S. Department of Labor, Employment and Training Administration, 1991). To illustrate, in the attachment, the job titles, "Cable Splicer" and "Line Mechanic" fall under the same SOC. However, the compensation data provided by Towers Watson was able to distinguish among individual jobs specific to the utility industry.

Name of Respondent:
Janet Fuersich

Date of Reply:
May 22, 2012

Form 103

## National Grid

**Union Positions Standard Occupational Classification**

| Job Title Shown on Exhibit HRP-5, Schedule 1 | Standard Occupational Classification (SOC)1 | | |
|---|---|---|---|
| | Code | Title | Description |
| Cable Splicer | 49-9051 | Electrical Power-Line Installers and Repairers | Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers. |
| Customer Service Rep | 43-4051 | Customer Service Representatives | Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Excludes individuals whose duties are primarily installation, sales, or repair. |
| Dispatcher | 43-5032 | Dispatchers, Except Police, Fire, and Ambulance | Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers, or for normal installation, service, or emergency repairs rendered outside the place of business. Duties may include using radio, telephone, or computer to transmit assignments and compiling statistics and reports on work progress. |
| Line Mechanic | 49-9051 | Electrical Power-Line Installers and Repairers | Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers. |
| Fleet Technician | 49-3023 | Automotive Service Technicians and Mechanics | Diagnose, adjust, repair, or overhaul automotive vehicles. |
| Relay Tester | 49-2095 | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays. |
| Stock Handler | 43-5061 | Production, Planning, and Expediting Clerks | Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule. Duties include reviewing and distributing production, work, and shipment schedules; conferring with department supervisors to determine progress of work and completion dates; and compiling reports on progress of work, inventory levels, costs, and production problems. |

Notes:
(1) Data sources:
*U.S. Department of Labor, Bureau of Labor Statistics, "Appendix B. Standard Occupational Classification System." Last modified date: December 31, 2011, available at [http://www.bls.gov/ncs/ocs/sp/ncbl0841.pdf].*
*U.S. Department of Labor, Bureau of Labor Statistics, On behalf of the Standard Occupational Classification Policy Committee (SOPC), "2010 SOC Definitions," February 2010, available at [http://www.bls.gov/soc/soc_2010_definitions.pdf].*

Partial Response

Date of Request: June 5, 2012 Supplemental Request No. DPS-66(CAS-2)(1B) Extension
Due Date: June 15, 2012 NMPC Req. No. 66

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Cathy Shippey

TO: Revenue Requirement Panel

SUBJECT: Rent Expense

Request:

The following questions relate to Exhibit RRP-3, Schedule 8, pages 11-12.

1. For each new project included in this schedule, please provide the following:

 B. The related cost benefit analysis supporting the Company's position to pursue the project

Response:

1.B. An noted in the Company's initial response to DPS-66(CAS-2), the Company is answering this question for each project listed in Exhibit RRP-3, Schedule 8, pages 11 and 12, lines 10-29, and for each project over $50,000 that is included in line 30 that will incur costs during the Rate Year. In this response, the Company has excluded projects completed prior to the Historic Test Year.

The Company provides a table that summarizes savings estimates from the sanction papers in Attachment 17 to this response.

As explained in the Company's initial response, IS projects are undertaken for a number of reasons including creating functional capabilities that are necessary to run a utility business. Although certain IS projects may enable economic benefits, many projects are selected for other factors that do not create cost savings but are necessary to run the business. In the following paragraphs, the Company explains how the savings from each project are reflected in the Company's initial filing.

The savings associated with certain projects are embedded in the Historic Test Year. These are Intranet Design (INVP 2210), Smallworld GIS Upgrade (INVP 0953), Equip

Computers (Mainframe Servers – INVP 2673), and Equip Computers (INVP 1389). The savings from these programs reduced costs in the Historic Test Year.

The US Foundation Program is enabling savings that are identified in the US Restructuring Program. The specific savings are identified in the workpapers to RRP-3, Schedule 48.

The US Retail Web project creates savings from E-Billing and E-Payment capabilities with customers accessing the Company's website for bills and payments. As discussed in the testimony of the Shared Services and Customer panel, the Company proposes to credit the savings to customers opting for E-Billing. Thus any savings from US Retail Web capabilities will be received by the customer who creates the savings if the Company's proposal for E-Billing credits is approved in this case. Please note that the Web Initiatives (DPS-94, DAG-10, Attachment 19) and Global Web Strategy were precursors to the US Retail Web initiative. Both of these papers discussed the same savings from E-billing and E-payments. The Company is providing the Global Web Strategy sanction paper in this response as Attachment 18. Also, the Company is providing an additional sanction paper for US Retail Web that clearly links the work completed in Global Web project to the work finished as part of the US Retail Web project as Attachment 19.

The remaining projects have neither been included as part of US Restructuring savings nor reduced costs in the historic test year. These projects result in net savings post March 31, 2013. These include:

Implementation of HR SAS;
Intelligent Mail Bar Code:
Energy Trading;
US VTL Replacement;
GIS Consolidation;
Outage Management; and
Enterprise Services (including Server Transformation, Virtual Desktop, SAN Deployment, Mainframe Migration).

The incremental savings in each year from these projects are provided on P. 3 of Attachment 17. The increased operating costs for those projects are also included on p. 3 of Attachment 17.

Please note, the Company has updated its savings estimate for Enterprise Services and the revised savings estimate are provided in Attachment 17.

| | |
|---|---|
| <u>Name of Respondent:</u> | <u>Date of Reply:</u> |
| Thomas F. Gill | June 15, 2012 |

Niagara Mohawk Power Company

Presentation of Savings from National Grid USA Service Company IS Projects

Page One: Total Savings from Sanction Papers

| **Business Savings** | INVP No. | In-Service | Estimated Annual Savings as of March 2012 | Estimated Annual Savings to be Achieved as of March 2013 | Estimated Annual Savings to be Achieved as of March 2014 | Estimated Annual Savings to be Achieved as of March 2015 | Estimated Annual Savings to be Achieved as of March 2016 |
|---|---|---|---|---|---|---|---|
| US Retail Web | 1356A | Jan-2012 | | 814,000 | 814,000 | 1,462,000 | 2,156,000 |
| Intranet | 2210 | Feb-2011 | 321,975 | 396,705 | 444,405 | 444,405 | 444,405 |
| Enterprise Services | | | | | 6,000,000 | 8,000,000 | 10,100,000 |
| Implementation of HR SAS | 3124 | | | | 142,000 | 142,000 | 142,000 |
| Web initiatives | 980 | May-2010 | 6,695,814 | 6,695,814 | 6,695,814 | 6,695,814 | 6,695,814 |
| Intelligent Mail Barcode | 2630 | | | 288,000 | 288,000 | 288,000 | 288,000 |
| Annual Business Savings | | | 7,017,789 | 8,194,519 | 14,384,219 | 17,032,219 | 19,826,219 |

| **Information Services Operation Savings** | INVP No. | In-Service | Estimated Annual Savings as of March 2012 | Estimated Annual Savings to be Achieved as of March 2013 | Estimated Annual Savings to be Achieved as of March 2014 | Estimated Annual Savings to be Achieved as of March 2015 | Estimated Annual Savings to be Achieved as of March 2016 |
|---|---|---|---|---|---|---|---|
| US Retail Web | 1356A | Jan-2012 | | (426,000) | (484,000) | (484,000) | (484,000) |
| Energy Trading | 2330 | | | 283,000 | 283,000 | 283,000 | 283,000 |
| Mainframe Upgrades | 2673 | Nov-2010 | 1,118,000 | 1,118,000 | 1,118,000 | 1,118,000 | 1,118,000 |
| Equip Computers | 1389 | Sep-2010 | 43,000 | 43,000 | 43,000 | 43,000 | 43,000 |
| US VTL Replacement | 2522 | Jan-2012 | 100,000 | 300,000 | 300,000 | 300,000 | 300,000 |
| GIS Consolidation | 2577 | | | 30,000 | 255,000 | 285,000 | 285,000 |
| Smallworld Upgrade | 953 | | (151,000) | (151,000) | (151,000) | (151,000) | (151,000) |
| Outage Management | 1185 | | | (184,000) | (1,492,000) | (969,000) | (350,000) |
| Annual IS Savings | | | 1,110,000 | 1,013,000 | (128,000) | 425,000 | 1,044,000 |

Notes:
1) Web Initiatives, Global Web and US Retail Web state similar source for savings. E-billing, E-payments and Transactions. The savings are reflected in US Retail Web
2) Intranet savings are calculated by taking the total savings in pounds from the Paper dividing by 2 to reflect allocation to US and multiplying by $1.59 per pound.
3) The estimate of savings from Enterprise Services provided in this response is an updated forecast and differs from the amount estimated in the sanction paper.

Niagara Mohawk Power Company

Presentation of Savings from National Grid USA Service Company IS Projects

Page Two: Annual incremental Savings from Sanction Papers

| **Business Savings** | INVP No | In-Service | Estimated Incremental Savings as of March 2012 | Estimated Incremental Savings to be Achieved as of March 2013 | Estimated Incremental Savings to be Achieved as of March 2014 | Estimated Incremental Savings to be Achieved as of March 2015 | Estimated Incremental Savings to be Achieved as of March 2016 |
|---|---|---|---|---|---|---|---|
| US Retail Web | 1356A | Jan-2012 | | 814,000 | | 648,000 | 694,000 |
| Intranet | 2210 | Feb-2011 | 96,195 | 74,730 | 47,700 | | |
| Enterprise Services | | | | | 6,000,000 | 2,000,000 | 2,100,000 |
| Implementation of HR SAS | 3124 | | | | 142,000 | | |
| Web initiatives | 980 | May-2010 | 2,574,841 | | | | |
| Intelligent Mail Barcode | 2630 | | | 288,000 | | | |
| Annual Incremental Business Savings | | | 2,671,036 | 1,176,730 | 6,189,700 | 2,648,000 | 2,794,000 |

| **Information Services Operation Savings** | INVP No. | In-Service | Estimated Incremental Savings as of March 2012 | Estimated Incremental Savings to be Achieved as of March 2013 | Estimated Incremental Savings to be Achieved as of March 2014 | Estimated Incremental Savings to be Achieved as of March 2015 | Estimated Incremental Savings to be Achieved as of March 2016 |
|---|---|---|---|---|---|---|---|
| US Retail Web | 1356A | Jan-2012 | | (426,000) | (58,000) | | |
| Energy Trading | 2330 | | | 283,000 | - | - | - |
| Mainframe Upgrades | 2673 | Nov-2010 | 172,000 | - | - | - | - |
| Equip Computers | 1389 | Sep-2010 | 43,000 | - | - | - | - |
| US VTL Replacement | 2522 | Jan-2012 | 100,000 | - | - | - | - |
| GIS Consolidation | 2577 | | | 30,000 | 255,000 | - | - |
| Smallworld Upgrade | 953 | | (151,000) | | | | |
| Outage Management | 1185 | | | (184,000) | (1,492,000) | (969,000) | (350,000) |
| Annual Incremental IS Savings | | | 164,000 | (297,000) | (1,295,000) | (969,000) | (350,000) |

Niagara Mohawk Power Company

Presentation of Savings from National Grid USA Service Company IS Projects

Page Three: Unaccounted for IS Savings and Costs

| **Savings not Found in US Restructuring or by Historic Test Year** | INVP No | In-Service | Estimated Incremental Savings as of March 2012 | Estimated Incremental Savings to be Achieved as of March 2013 | Estimated Incremental Savings to be Achieved as of March 2014 | Estimated Incremental Savings to be Achieved as of March 2015 | Estimated Incremental Savings to be Achieved as of March 2016 |
|---|---|---|---|---|---|---|---|
| Implementation of HR SAS | 3124 | | | | 142,000 | | |
| Intelligent Mail Barcode | 2630 | | | 288,000 | | | |
| Energy Trading | 2330 | | | 283,000 | | | |
| US VTL Replacement | 2522 | Jan-2012 | 100,000 | | | | |
| GIS Consolidation | 2577 | | | 30,000 | 255,000 | | |
| Outage Management | 1185 | | | (184,000) | (1,492,000) | (969,000) | (350,000) |
| Enterprise Services | | | | | 6,000,000 | 2,000,000 | 2,100,000 |
| US Retail Web | 1356A | Jan-2012 | | (426,000) | (58,000) | | |
| Smallworld Upgrade | 953 | | (151,000) | | | | |
| Annual Incremental IS Savings | | | (51,000) | (9,000) | 4,705,000 | 1,031,000 | 1,750,000 |
| Cumulative IS Savings | | | (51,000) | (60,000) | 4,645,000 | 5,676,000 | 7,426,000 |

Partial Response

Date of Request: May 16, 2012
Due Date: May 29, 2012

Request No. DPS-68(JSC-1)
NMPC Req. No. 68

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: John Cary

TO: Electric Infrastructure and Operations Panel

SUBJECT: Transmission Capital Investment

Request:

1. Please provide the Transmission Capital Investment Plan Exhibit __ (EIOP-5), for Fiscal Years 2013-2017 in Excel Format with formulas unlocked.

2. In the Excel spreadsheet provided in response to question 1 above, please provide the following information (adding columns to the spreadsheet as necessary):
   a) Provide the actual capital expenditures for fiscal years 2008, 2009, 2010, 2011 and 2012 for each transmission strategy/major program listed in Exhibit_(EIOP-5). Note that only the subtotals are requested here and not the individual spending per project listed.
   b) For each project listed in Exhibit_(EIOP-5), provide the project cost estimate grade (investment, conceptual, etc.).
   c) For each project listed in Exhibit_(EIOP-5), provide the current project phase (initiation, construction, preliminary engineering, etc.).
   d) For each project listed in Exhibit_(EIOP-5), provide the construction start date.
   e) For each project listed in Exhibit_(EIOP-5), provide the percentage of project completed.
   f) For each project listed in Exhibit_(EIOP-5), provide the estimated in-service date or proposed closing rule.
   g) For each project listed in Exhibit_(EIOP-5), provide the associated strategy paper number and sanction paper number.

3. For each project listed in Exhibit_(EIOP-5), provide the sanction paper if the project is not discussed in Exhibit_(EIOP-6).

Response:

1. The Transmission Capital Investment Plan Exhibit __ (EIOP-5) is included in Excel format with formulas unlocked in JSC-1_Attachment 1 (EIOP-5 in Excel Format).xls.

2a. The actual capital expenditures for fiscal years 2008 – 2012 for each major Transmission strategy/program listed in Exhibit EIOP-5 is included in JSC-1_Attachment 2 (Transmission Program CAPEX FY08 – FY12).xls. "Completed Strategies" note work that was completed in the respective fiscal year that are no longer being utilized.

2b-g. Refer to JSC-1_Attachment 3 (Transmission Project Details).xls, Exhibits 1 and 2, for the estimate grade, current project phase, construction start dates, completion percentage, estimated in-service date and strategy/sanction paper numbers for all projects listed in Exhibit __ (EIOP-5).

Regarding the project completion percentages included for question 2e, the following translation table describes the assigned percentages listed in Attachment 3:

| Phase Complete | Weight | Cumulative Percent Complete | Comments |
|---|---|---|---|
| Initiated/Prelimanary Eng | 5% | 5% | |
| Final Eng | 15% | 20% | |
| Construction Band 1 | 15% | 35% | Construction > 0% and < 25% Complete |
| Construction Band 2 | 20% | 55% | Construction > = 25% and < 50% Complete |
| Construction Band 3 | 20% | 75% | Construction > = 50% and < 75% Complete |
| Construction Band 4 | 20% | 95% | Construction > 75% Complete |
| Close Out | 5% | 100% | |
| Cancelled | 0% | 0% | |

Regarding the strategy/sanction papers included for projects in question 2g, there are some projects where strategy or sanction paper numbers do not exist for one of the following reasons:

- The project is not mature enough for a strategy or sanction paper to have been written.
- Reimbursable generation projects do not require strategy papers, but do require a sanction paper once a facility study is done in preparation for negotiating an interconnection agreement. Only four generator projects are at the stage where an interconnection agreement has been negotiated. These are; Nine Mile, Tug Hill, Green Power-Cody Rd and St. Lawrence Wind. The remainder of the projects have not reached this stage.
- Projects that can be completed for less than $100,000 do not require a strategy or sanction paper.

3. Sanction papers for projects not discussed in Exhibit __ (EIOP-6) are included on a CD labeled JSC-1_Attachment 4 (Sanction Papers not Discussed in EIOP-6). One of the sanction papers contains confidential information. The Company will submit a motion for confidential protection to the Administrative Law Judges in this proceeding requesting protection for this information. Confidential copies of the response will be provided to Staff and UIU. Staff and UIU should protect the confidential information pursuant to the Commission's regulations and await further direction from the Judges. A redacted version of the response will be made available to all parties.

Name of Respondent:
Al Chieco

Date of Reply:
May 25, 2012

Form 103

**JSC-1 2a**

| Spending Rationale | Program | FY08 | FY09 | FY10 | FY11 | FY12 |
|---|---|---|---|---|---|---|
| **Asset Condition** | Battery Strategy | $ 135,901 | $ 368,450 | $ 318,098 | $ 166,631 | $ 276,450 |
| | Flying Ground Strategy | | | $ 46,513 | $ 470 | $ 78,654 |
| | Oil Circuit Breaker Strategy | | | | | $ 297,155 |
| | Other Asset Condition | $ 507,350 | $ 7,019,685 | $ 7,416,860 | $ 17,572,019 | $ 2,755,512 |
| | Overhead Line Refurbishment Program - Asset Condition | $ 445,165 | $ 1,008,434 | $ 23,152,125 | $ 30,281,413 | $ 15,145,594 |
| | Relay Replacement Strategy | | | $ 161,029 | $ 73,982 | $ 69,920 |
| | Reserve - Asset Condition | | | | | |
| | Shieldwire Strategy | $ 74,502 | $ 1,350,376 | $ 7,418,043 | $ 5,227,141 | $ 5,625,133 |
| | Steel Tower Strategy | $ 7,235,277 | $ 2,097,847 | $ 83,544 | $ 604,485 | $ 5,763,977 |
| | Substation Rebuild | | $ 27,645 | $ 758,841 | $ 1,044,769 | $ 2,477,306 |
| | Transformer Replacement Program | | | | $ 17,292 | $ 4,467,596 |
| | U-Series Relay Strategy | $ 144,426 | $ 20,348 | $ 205,691 | $ 133,134 | $ 722,208 |
| | Completed Strategies | $ 6,141,954 | $ 2,516,714 | $ 3,162,782 | $ 102,671 | $ 858,807 |
| **Asset Condition Total** | | **$ 14,684,574** | **$ 14,409,499** | **$ 42,723,525** | **$ 55,224,007** | **$ 38,538,312** |
| **Damage Failures** | NY Inspections | $ 2,170 | $ 290,945 | $ 1,506,939 | $ 1,413,244 | $ 4,091,729 |
| | Other Damage Failure | $ 11,773,173 | $ 13,743,528 | $ 8,968,317 | $ 6,473,391 | $ 7,014,387 |
| | Woodpole Strategy | $ 127,095 | $ 107,107 | $ 528,482 | $ 4,067,393 | $ 6,249,285 |
| | Completed Strategies | | | | $ 61,209 | |
| **Damage Failures Total** | | **$ 11,902,438** | **$ 14,141,580** | **$ 11,003,738** | **$ 12,015,237** | **$ 17,355,400** |
| **Non - Infrastructure** | Physical Security | | | | $ 23,831 | $ 5,891,053 |
| | Completed Strategies | $ 14,184 | $ 601,051 | $ 12,504,942 | $ 941,723 | $ 1,285,396 |
| **Non - Infrastructure Total** | | **$ 14,184** | **$ 601,051** | **$ 12,504,942** | **$ 965,553** | **$ 7,176,450** |
| **Statutory Regulatory** | Clay Station Rebuild | $ 15,265,327 | $ 6,048,328 | $ 239,204 | $ (306,847) | $ 30,560 |
| | Clearance Strategy | $ 1,385,621 | $ 188,520 | $ 418,503 | $ 579,396 | $ 7,541,849 |
| | Generation | $ 644,531 | $ (347,098) | $ 82,528 | $ 1,501,503 | $ 135,945 |
| | Northeast Region Reinforcement | | $ 4,526 | $ 7,322,237 | $ 6,566,291 | $ 25,924,114 |
| | Other Statutory Regulatory | $ 768,001 | $ 861,135 | $ 1,387,835 | $ 128,143 | $ 407,075 |
| | Reserve - Statutory Regulatory | | | | | |
| | RTU Strategy | $ 2,252,929 | $ 3,381,353 | $ 2,501,302 | $ 1,807,840 | $ 1,551,717 |
| | Station NPCC Upgrade | | $ 127,853 | $ 885,853 | $ 3,068,604 | $ 11,993,254 |
| | Completed Strategies | $ 4,513,131 | $ 9,863,140 | $ 7,374,500 | $ 3,957,552 | $ 2,874,265 |
| **Statutory Regulatory Total** | | **$ 24,829,541** | **$ 20,127,757** | **$ 20,211,962** | **$ 17,302,480** | **$ 50,458,777** |
| **System Capacity & Performance** | Load | $ (548,125) | | $ (250,878) | $ 15,253 | $ (28,317) |
| | Other Syst Capacity & Performance | $ 1,127,519 | $ 3,128,488 | $ 6,056,354 | $ 4,022,571 | $ 11,753,965 |
| | Overhead Line Refurbishment Program - System Capacity & Performance | $ 9,027 | $ 149,277 | $ 258,208 | $ 273,827 | $ 3,182,584 |
| | Reliability Criteria Compliance | $ 30,772 | $ 15,418 | $ 2,003,650 | $ 857,060 | $ 602,132 |
| | Reserve - System Capacity & Performance | | | | | |
| | Completed Strategies | $ 9,854,030 | $ 14,412,475 | $ (66,376) | | $ 6,772 |
| **System Capacity & Performance Total** | | **$ 10,473,225** | **$ 17,705,658** | **$ 8,000,958** | **$ 5,168,711** | **$ 15,517,136** |
| **Benefit True-Up Adjustment** | | **$ 172,094** | | **$ (72,419)** | **$ 122,623** | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Grand Total** | **$** | **62,076,056** | **$** | **66,985,546** | **$** | **94,372,705** | **$** | **90,798,611** | **$** | **129,046,075** |

Date of Request: May 18, 2012
Due Date: May 29, 2012

Request No. DPS-85(LMR-2)
NMPC Req. No. NM 85

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Lisa Rosi

TO: Charles Willard

SUBJECT: DEC Work Schedule and Projected Expenses

Request:

1. Exhibit CFW-3 depicts the NYSDEC 2012 Work Schedule. Does NIMO have other site remediation projects that are being addressed but are not listed in the DEC approved schedule? If so, please provide a list of such projects and the associated work schedules.
2. On page 12 company witness Willard states that "shareholders bear 20 percent of any overspend" – a mechanism that came from the 2010 electric rate order. Did the company overspend on any of the sites? If so, what was the overspend amount? What was the amount for which the shareholders were responsible? Name the sites that were subject to the overspending and list the main reasons for the overspending.
3. Exhibit CFW-6 lists HTY construction delays where scheduled spending associated with remedial construction projects was less than the DEC schedule. Identify the procedures that are in place to ensure that the remediation activities will not be delayed as they have been during the HTY.
4. Exhibit CFW-2 is an example of a New York Department of Environmental Conservation Order on Consent and lists penalty per day for periods of non-compliance (Exhibit CFW-2 page 88 of Willard's testimony). Has NIMO been subject to these fines? If so, identify the sites that the fines are associated with, the reason that NIMO was non-compliant, and the total amount that was fined per site.

Response:

1. The NYS Department of Environmental Conservation's ("DEC's") 2012 work schedule provided in Exhibit CFW-3 only depicts the MGP sites. Niagara Mohawk does have other active site projects (which account for a relatively small portion of the company's annual spending) and these sites were included in Attachment 1 to DPS-12 (identified as Niagara Mohawk Operating Properties ("OPR") and multi-industrial party or Potentially Responsible Parties ("PRP")

sites as defined in the environmental regulations). A description of the associated work schedules are as follows:

Operating Sites ("OPR")

Dewey Ave – This facility initially serviced polychlorinated biphenyl ("PCB")-containing transformer and other electrical equipment. Following passage of the Toxic Substances Control Act, the facility was permitted as a Transportation, Storage and Disposal ("TSD") to centrally collect, drain, and ship (in larger quantities) this equipment and oil for treatment and/or disposal. The equipment was collected from service from the western Niagara Mohawk division. To close the DEC permit after the equipment removal was completed, an investigation and remediation of residual PCBs was required under a DEC Order on Consent. This site is currently in the SIR operation and maintenance phase ("O&M"). Niagara Mohawk conducts groundwater level measurement and sampling on a semi-annual basis and provides DEC with an annual report.

East Utica Substation (Old Erie Canal) – This site is not under a prescribed work schedule. Niagara Mohawk's involvement is related to its alleged nexus to the site.

Hudson Substation – This site was in O&M but has recently been closed by DEC. The Company plans to complete the basin decommissioning this year.

Old Gardenville Substation – This site is not under a prescribed schedule. The site remains active in the event the substation is renovated or improved at which point SIR involvement is required.

Seventh North Street TSD & Service Center – This site is similar to the Dewey Ave site, servicing the Central Niagara Mohawk division. This site is currently awaiting a DEC Post Closure Permit following a Resource Conservation and Recovery Act ("RCRA") Corrective Action measures completed at the site. Activities at the site currently include biota monitoring every other year.

Solvay TSD Facility & Service Center – This site permit was similar to the Dewey Ave and Seventh North site, but it was a smaller scale, short-term operation for PCB mineral oil collection. The site is not under a prescribed work schedule. The site remains active in the event the substation is renovated or improved at which point SIR involvement is required.

Teall Avenue Substation – This site is not under a prescribed work schedule. Niagara Mohawk is the site owner and is prepared to oversee remedial construction associated with this site. However, impacts to the site were caused by another party that DEC is pursuing.

Terminal D FTS & Electric Substation/Terminal Station C – These facilities are not under prescribed work schedules; however, the sites remain active in the event that the facilities are decommissioned or renovated in the future at which point SIR involvement is required.

Potentially Responsible Party ("PRP")

Alltift/Fort Edward Dam (Hudson River NPL)/Frontier Chemical – Royal Ave/ Ley Creek PCB Dredging Site/Maxey Flats/Sealand Restoration/Ward Transformer – These sites are not under prescribed work schedules. Niagara Mohawk's involvement is related to its alleged nexus to each site.

Airco Carbon/Vanadium ROW – The site is located beneath a contaminated right of way ("ROW") in Buffalo. A prior settlement was negotiated with other responsible parties. The site schedule is pending the bid and contract award process.

Cherry Farm (River Road) – This site property is owned by Niagara Mohawk, but was contaminated by other parties. A prior settlement was negotiated. This site is in O&M. The prescribed work schedule with DEC includes monthly self-monitoring reports (documenting the treatment and discharge results) and semi-annual cap inspection reports (documenting the condition of the site cap system).

DVL, Inc. v. GE, NMPC, et al. – This site is not under a prescribed work schedule. Niagara Mohawk's involvement is related to its alleged nexus to the site. NIMO is a defendant in a "Comprehensive Environmental Response, Compensation and Liability Act" or CERCLA legal action regarding this site.

PAS Main – The site is under an EPA Order. The site was operated as a 3rd party PCB oil collection and treatment facility which subsequently declared bankruptcy. NIMO sent material to the site, along with other parties, prior to the enactment of relevant environmental laws. A prior settlement was negotiated with other responsible parties. The site is currently in O&M. Niagara Mohawk conducts long-term sediment and fish monitoring and submits an annual report to EPA.

Wallace & Son – This site is under a DEC Order. Niagara Mohawk sent PCB-oil filled equipment to the oil recovery and scrap dealer, prior to the enactment of relevant environmental laws. A prior settlement was negotiated with other responsible parties. The site is in O&M. Niagara Mohawk conducts routine water sampling (influent and treated discharge) and treatment/recovery system inspections and provides DEC with an annual report.

Waste-Stream Inc. – This site was under a DEC Order for the Remedial Investigation/Feasibility Study ("RI/FS"). Niagara Mohawk sent PCB-oil filled equipment to the oil recovery and scrap dealer, prior to the enactment of relevant environmental laws. A cost sharing agreement was negotiated with other responsible parties for the RI/FS phase. The DEC has issued a Record of Decision ("ROD") for this site, and it is anticipated that DEC will seek to enter into a Consent Order with the PRPs for the implementation of the ROD prescribed remedy. NIMO's involvement is related to its alleged nexus to the site.

2. Niagara Mohawk has not exceeded the rate year allowance of $30 million since the 2010 electric rate order.

3. Niagara Mohawk has plans in place to meet the DEC schedule. Niagara Mohawk works directly with the DEC staff on project planning and reports on progress and planned milestones to the DEC in bi-monthly reports. Niagara Mohawk project managers regularly communicate with the consultants to ensure timely delivery of work plans, designs and reports. Weekly meetings are held to discuss progress at active sites as well as bi-weekly meetings with Niagara Mohawk project managers and bi-weekly meetings with management to discuss progress. Monthly meetings are held to discuss spending to date, progress, and projections. Niagara Mohawk project managers regularly discuss progress with the DEC project managers.

   The delays noted in Exhibit CFW-6 were outside of Niagara Mohawk's control. They were due to unscheduled delays encountered by the factors identified in the DEC Order on Consent as normal SIR delays mentioned in Exhibit CFW-2 (, pg. 102). These factors delayed work in the prior years as well. For example, Niagara Mohawk could not bid the Harbor Point sediment capping project until DEC accepted the design. DEC Fish and Wildlife requested modifications to the cap design which were incompatible with NYS Canal Corp's future use of the Harbor. Specifically, the cap required structural components to allow for future dredging. Niagara Mohawk worked with DEC remediation division to broker a solution, which took over a year. The final design required a cap modification. Bidding prior to receiving the final comments would have resulted in a change order from the contractor.

   Niagara Mohawk is, however, making significant progress on remediation projects this year. Three construction projects are underway or completed (Syracuse (Hiawatha), Oneida (Sconondoa) and Schenectady (Broadway)), one is pending (Schenectady (Clinton)) and a fifth is pending receipt of bids (Harbor Point sediment capping).

4. Niagara Mohawk has not been penalized by DEC or EPA under any Order.

| Name of Respondent: | Date of Reply: |
|---|---|
| Charles Willard<br>Brian Stearns | May 25, 2012 |

Partial Response

Date of Request: 5/21/12

Request No. DPS-87 (DAG-7)
(everything except last sentence of section 3)

Due Date: 5/31/12

NMPC Req. No. 87

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Denise Gerbsch

TO: Revenue Requirement Panel (RRP)

SUBJECT: US Restructuring Savings

Request:

(1) Exhibit RRP-11, Schedule 48, Workpaper 4 shows total US Restructuring FTE reductions of 1,381. The RRP testimony at page 72 concludes that 100% of the labor cost reductions are reflected in the rate year, with a reference to Exhibit RRP-3, Schedule 31. Please provide a roadmap showing explicitly how the reduction of 1,381 is reflected in the labor forecast, both in FTE numbers and savings, allocated to Niagara Mohawk. Cite all exhibits, workers, schedules, etc in the filing and provide all source documents if not included in the filing.

(2) Provide a reconciliation and verifiable savings calculation, with a cite to source documents, between the FTE reductions of 1,381 as shown on Schedule 48, workpaper 4, to the labor savings amount of $102.4 million (Nat Grid at 100%) shown in RRP-11, Schedule 48, workpaper 1, of $102.4 (NGrid at 100%).

(3) For each non-labor US Restructuring savings initiative shown on Exhibit RRP-11, Schedule 48, Workpaper 2, pages 2 through 6, provide the backup calculations for the (a) aggregate run rate through March 31, 2013, and (b) aggregate run rate through December 31, 2011. These calculations should include how the savings were calculated, and the various cost components the savings are expected to affect.

(4) Are all US Restructuring savings expected to be achieved by the end of FY '13 (i.e. 3/31/2013)? If no, please provide a schedule in the same format as Exhibit RRP-11, Schedule 48, Workpaper 2, pages 2 through 6, that identifies the expected date of final savings achievement, with the aggregate run rate amount.

(5) Exhibit RRP-11, Schedule 35, Workpaper 3, shows the additional cost the Company is requesting in the RYE 3/14 for 26 additional staff to support US Foundations. Included in the calculated cost is labor costs plus the added benefit costs for FAS 106, FAS 112, health care, group life insurance, pension, thrift plan, workers comp, variable pay, and payroll taxes, otherwise known as labor overhead loadings.

Form 103

(a) Please identify, for each separate employee benefit, where the Company has reflected the reduction in these same benefit costs, due to the reverse situation caused by the 1,381 FTE reductions the Company indicates it will achieve.
(b) If the Company has not reflected the reduction in employee benefits expense (i.e. overhead loadings), please explain why not.
(c) If the Company has not reflected the reduction in employee benefits expense (i.e. overhead loadings), please provide the amount each employee benefit expense item (the allocated Niagara Mohawk share) should be reduced by for the RYE 3/14, electric and gas expense separately, if the Commission were to determine that the adjustment is applicable to the 1,381 FTE reductions, and should be made. Provide all calculations and supporting documentation.

Response:

1. See Attachment 1

2. See Attachment 2 . Page 1 of Attachment 2 provides a summary by department of savings and the associated headcount. The total savings of $102m equates to a total headcount reduction of 1,262. Attachment 2 provides a detailed listing by employee ID of how the labor savings under US Restructuring was derived.

   The difference between the 1,262 and the reported 1,381 of FTE reduction is largely associated with IT. Any savings associated with IT transformation including FTE reductions were reported in total as non-labor savings for purposes of tracking and reporting savings under the US Restructuring program.

   In preparing this response, the Company identified that certain savings amounts were misallocated between labor and non-labor as initially presented in Exhibit RRP-11, Schedule 48, Workpaper 3 page 2. A spreadsheet linking error resulted in certain errors noted in Attachments 2, 3, and 4 of this response and will be included in the Company's corrections and updates filing.

   It is important to note that the US restructuring reported labor savings of $102 million was not directly used in determining the labor costs included in the Company's rate year revenue requirement. The revenue requirement labor forecast was based on the employees of National Grid as of December 31, 2011. Adjustments were made for employees in non-enduring roles who have yet to leave the Company as a result of US Restructuring and vacancies established through the future organization design. Vacancies attributable to natural attrition were not included in the forecast as the Company determined these would be present at any given time.

   As shown in Attachment 1, the adjusted headcount as of December 2011, which was used for purposes of determining the Company's rate year labor forecast, reflects a reduction of 1,381 off of the adjusted November 2010 US Restructuring baseline. The rate year labor expense thus reflects the reduction of the 1,381 employees.

3. a.) Please see Attachment 3 for the monthly back up calculations on the non-labor savings aggregate run rate through March 2013 (reflective of total annual run-rate savings achieved each month through March 2013).

   b) Please see Attachment 4 for the monthly back up calculations on the non-labor savings aggregate fiscal run-rate through December 2011 (reflective of actual monthly savings achieved in the test year).

   The savings initiative values will be refined when the Company submits its corrections and updates filing to reflect the latest information available regarding the savings initiatives. Those refinements are not expected to be significant.

   In accordance with the Company's notice of extension, details on each initiative will be provided by close of business June 13.

4. Yes, all U.S. Restructuring savings are forecast to be achieved on a run-rate basis by the end of FY 13.

5.
   a. Below are explanations for how the Company reflected U.S. Restructuring FTE reductions in the preparation of employee benefit costs:
      i. FAS 106: Aon Hewitt Consulting prepared actuarial estimates of OPEB costs for the company utilizing post-US Restructuring FTE counts.
      ii. FAS 112: Long-term disability costs were developed by applying an inflation factor to historic test year costs. These costs were not explicitly adjusted for US Restructuring FTE reductions.
      iii. Healthcare: Healthcare costs were developed by applying an inflation factor to historic test year costs. These costs were not explicitly adjusted for US Restructuring FTE reductions.
      iv. Group life insurance: Group life insurance costs were developed by applying an inflation factor to historic test year costs. These costs were not explicitly adjusted for US Restructuring FTE reductions.
      v. Pension: Aon Hewitt Consulting prepared actuarial estimates of Pension costs for the company utilizing post-US Restructuring FTE counts.
      vi. Thrift Plan: Thrift Plan costs were developed by applying an inflation factor to historic test year costs. These costs were not explicitly adjusted for US Restructuring FTE reductions.
      vii. Worker's Comp: Worker's compensation costs were developed by applying an inflation factor to historic test year costs. These costs were not explicitly adjusted for US Restructuring FTE reductions.
      viii. Variable Pay: Variable pay costs were developed by the Company using December 31, 2011 FTE counts adjusted for non-enduring roles and vacancies.

ix. Payroll Taxes: Payroll tax costs were developed by the Company using December 31, 2011 FTE counts adjusted for non-enduring roles and vacancies.

b. and c. In order to align FAS 112, Healthcare, Group Life Insurance, Thrift Plan and Worker's compensation costs for both Gas and Electric with post-US Restructuring FTE counts, the Company will make a rate year adjustment of an estimated total of $2.3 million in its correction and updates filing. See attachment 5 for details.

| Name of Respondent: | Date of Reply: |
|---|---|
| Mark Stiner | May 31, 2012 |
| Stephen Heywood | |

Form 103

Exhibit________(RRP-11)
Wo kpape s to Exhibit RRP-3
Schedule 48
Wo kpape 4
Page 1 of 1

| | | FTE's |
|---|---|---|
| 1 | **US Rest uctu ing Baseline** | **6,382** |
| 2 | Test Yea Pay oll | 5,103 |
| 3 | Adjustments: | - |
| 4 | Less: Non-Endu ing | (137) |
| 5 | Plus: Vacancies | 118 |
| 6 | Less: Libe ty | (55) |
| 7 | Less: Long Te m Disability | (100) |
| 8 | Rate Yea FTE's | 4,929 |
| | | - |
| 9 | FTE Management Reductions | 1,453 |
| 10 | Plus: Union Reductions | 111 |
| 11 | Less: No mal Labo Float | (183) |
| | | - |
| 12 | Total US Rest uctu ing FTE Reductions | **1,381** |

**Sou ces/ efe ences:**

| | | |
|---|---|---|
| 1 | Actual Management FTE at Nov. 2010 | 6,074 |
| | Plus: vacancies at Nov. 2010 that we e held into new st uctu e: | 168 |
| | Plus: inc eased FTE's fo out of scope a eas | 140 |
| | | 6,382 |

2 5,103 test year payroll is created from 4,318 Dec 31, 2011 payroll (513 NiMo, 2062 National Grid USA Svc Co, 1743 Keyspan Svc Co - RRP-3 Schedule 31 p. 36) + 785 "Other" FTEs (i.e. employees that do not allocate time to NiMo)

4-7 Exhibit RRP-11, Wo kpape s to RRP-3, Schedule 31, Wo kpape 12, page 1 of 1 / Attachment 1 to DPS-42 (RMD-6) Line 8 (exhibits include "Other" category of FTEs)

8 Sum of lines 2 th ough 7

9 Line 1 less line 8

10 Union adjustments included in US Rest uctu ing headcount

11 Total approved management positions under US Restructuring of 5112, less total headcount included in rate year of 4,929

12 FTE Reductions included in ate yea (Sum of lines 9 th ough 11)

Partial Response

Date of Request: 5/21/12
Due Date: 5/31/12

Request No. DPS-88 (DAG-8)
NMPC Req. No. 88

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Denise Gerbsch

TO: Revenue Requirement Panel (RRP)

SUBJECT: Consultants (#100) and Contractors (#110)

Request:

(1) Consultants, expense type #100 - Exhibit RRP-3, Schedule 1, Page 5 shows total HTY normalizing adjustments of -$18.804 million (-$16.674 million electric expense; -$2.130 million gas expense). However, the workpapers supporting the consultant expense for the HTY, Exhibit RRP-11, Schedule 1, workpaper 5, pages 1 through 37, do not specifically identify the items the company is removing or reclassifying. Please separate out and breakdown down the information provided on pages 1 through 37, but provide the same level of detail, for each of the following:

(a)The total HTY accounting expenses of -$3.540 million (-$2.965 million electric expense; -$0.575 million gas expense) that are reclassified
(b) The total HTY legal expenses of -$4.081 million (-$3.524 million electric expense;- $0.557 million gas expense) that are reclassified
(c) The total HTY energy efficiency expenses of -$0.233 million (-$0.658 million electric expense; +$0.425 million gas expense) that are reclassified
(d) The total HTY vegetation management expenses of -$0.0044 million (all electric expense) that are reclassified
(e) The total HTY analysis adjustments of -$10.908 million (-$9.485 million electric expense; -$1.423 million gas expense) that are adjusted out
(f) The total HTY site investigation and remediation adjustments of -$10.685 million (-$8.846 million electric expense; -$1.839 million gas expense) that are adjusted out and reclassified
(g) The resulting HTY costs that remain after the HTY normalizing adjustments and reclassifications are made. This should be a total amount of $10.578 million ($9.352 million electric expense; $1.225 million gas expense)

(2) Contractors expense type #110 - Exhibit RRP-3, Schedule 2, Page 5 shows total HTY normalizing adjustments of -$121.818 million (-$119.259 million electric expense; -$2.559 million gas expense). However, the workpapers supporting the contractor expense for the HTY, Exhibit RRP-11, Schedule 1, workpaper 8, pages 1 through 120, do not specifically identify the items the company is removing or reclassifying. Please separate out and breakdown down the information provided

on pages 1 through 120, but provide the same level of detail, for each of the following:

(a) The total HTY accounting expenses of -$0.499 million (-$0.397 million electric expense; -$0.102 million gas expense) that are reclassified
(b) The total HTY legal expenses of -$0.398 million (-$0.328 million electric expense;- $0.071 million gas expense) that are reclassified
(c) The total HTY energy efficiency expenses of -$27.886 million (-$26.321 million electric expense; +-1.545 million gas expense) that are reclassified
(d) The total HTY vegetation management expenses of -$51.245 million (-$50.822 million electric expense; $-0.424 million gas expense) that are reclassified
(e) The total HTY analysis adjustments of -$2.985 million (-$2.567 million electric expense; -$0.418 million gas expense) that are adjusted out
(f) The total HTY electric major storm incremental costs of -$38.538 million (all electric expense) that are removed and instead used in the storm fund calculation
(g) The total HTY RDV write-off costs of -$0.287 million (all electric expense) that are removed
(h) The total HTY site investigation and remediation adjustments of -$5.778 million (-$4.796 million electric expense; -$0.982 million gas expense) that are adjusted out and reclassified
(i) The resulting HTY costs that remain after the HTY normalizing adjustments and reclassifications are made. This should be a total amount of $70.098 million ($58.808 million electric expense; $11.290 million gas expense)

3. The RDV write-off of $287,429 is summarized on Exhibit RRP-11, Schedule 2, workpaper 6, page 1. Please separately identify where in the Company's filing, through either exhibits or workpapers (identify page #s), it can be shown that all RDV related costs incurred in the HTY 2011, have been removed or normalized out, and if all costs have not been removed, please explain why not. Provide all supporting documentation for your answer.

Response:

1a. Please see Attachment 1 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY accounting expense reclass of $3.540 million.

1b. The total HTY legal expense that was reclassified was -$4.080 million (-$3.523 million electric expense; -$0.557 million gas expense). Please see Attachment 2 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY legal expense reclass of $4.080 million.

1c. Please see Attachment 3 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY energy efficiency expense reclass of $0.233 million.

1d. Please see Attachment 4 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY vegetation management expense reclass of $0.0044 million.

1e. Please see Attachment 5 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY Analysis Adjustments of $10.908 million.

1f. Please see Attachment 6 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY Site Investigation and Remediation reclass of $10.685 million.

1g. Please see Attachment 7 to DPS-88 (DAG-8) for the requested detail workpapers for the remaining HTY costs of $10.578 million. Please note that portions of the project adjustments included in Exhibit_(RRP-2) related to legal and accounting expense. These costs should have been removed from legal and accounting expense rather than expense type 100. The Company will reclass the adjustments to legal and accounting expense in Corrections and Updates.

2a. Please see Attachment 8 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY accounting expenses reclass of $0.499 million.

2b. Please see Attachment 9 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY legal expenses reclass of $0.398 million.

2c. Please see Attachment 10 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY energy efficiency reclass of $27.886 million.

2d. Please see Attachment 11 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY vegetation management expenses reclass of $51.245 million.

2e. Please see Attachment 12 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY Analysis adjustments of $2.985 million. Please note that two (2) of the adjustments were misallocated between the electric and gas segments. The Company will adjust the split between electric and gas in Corrections and Updates.

2f. Please see Attachment 13 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY electric major storm incremental costs of $38.538 million.

2g. Please see Attachment 14 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY RDV write-off costs of $0.287 million.

2h. Please see Attachment 15 to DPS-88 (DAG-8) for the requested detail workpapers for the HTY site investigation and remediation reclass of $5.778 million.

2i. Please see Attachment 16 to DPS-88 (DAG-8) for the requested detail workpapers for the remaining HTY costs of $70.098 million. Please note that portions of the project adjustments included in Exhibit_(RRP-2) related to accounting expense. These costs should have been removed from accounting expense rather than expense type 100. The Company will reclass the adjustments to accounting expense in Corrections and Updates.

3. As part of the Stipulation and Agreement of Certain Matters Relating to Capital Investment and Operating & Maintenance Spending ("Stipulation") in Case 10-E-0050, the Company agreed to transition from the Regional Delivery Venture ("RDV") as the means of delivering its transmission capital work. As part of the Stipulation, the Company agreed to charge to shareholders the unamortized RDV start-up related

costs (e.g. prepaid insurance premiums and transition services agreement costs), as well as demobilization costs. The majority of the costs disallowed per the Stipulation were written off to expense in calendar year 2010; however, $287,429 of the costs were written off in the historic test year. The Company reduced the historic test year for $287,429 in Exhibit RRP-3, Schedule 2, Page 5 on the line labeled RDV Write-off.

There were other RDV overhead related costs such as annual core team costs and annual Owner Controlled Insurance Program (OCIP) premiums/deductibles that were not part of the disallowed costs specified in the Stipulation. These costs were included in the capital project CZZ036 and allocated as an overhead to capital projects, as discussed in response to DAG-3.

Additionally, the calendar year 2010 and 2011 RDV write-offs were excluded from the transmission three year historic percentage developed for forecasting opex associated with capex. This is illustrated in Exhibit RRP_ 11, Workpapers for Exhibit RRP_ 3, Schedule 35, Workpaper 1, Page 2, Lines 2 and 6.

| Name of Respondent: | Date of Reply: |
| --- | --- |
| Stephanie Briggs | May 30, 2012 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Charges to Co 36 - Electric (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs

| | | | **Electric** | **Gas** | **Total** |
|---|---|---|---|---|---|
| | 99 | AP (see List) | 5,862,860 | 771,573 | 6,634,432 |
| | 36 | AP (see List) | 1,070,641 | 314,200 | 1,384,842 |
| | 99 | On Line JE | (968,196) | (131,646) | (1,099,842) |
| | 36 | On Line JE | 2,314,225 | 308,471 | 2,622,695 |
| | | Total | **8,279,529** | **1,262,598** | **9,542,127** |
| **** | | HTY Adj - legal | 1,236,438 | (6,378) | 1,230,060 |
| **** | | HTY Adj - accounting | (163,826) | (30,820) | (194,646) |
| | | Total Remaining HTY Costs | **9,352,141** | **1,225,400** | **10,577,541** |

**** - These are legal and accounting costs that were part of the HTY Analysis Project Adjustment. Since legal and accounting costs had been separately removed from expense types 100 and 105, this amount of the HTY project adjustment should be made to legal and accounting expense rather than expense type 100. The Company will reclass these adjustments from expense type 100 to legal and accounting expense in Corrections and Updates.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Indirect Charges to Co 36 - (AP Detail)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part G

| IR Category | OTHER |
|---|---|

| | | | | Data | |
|---|---|---|---|---|---|
| Orig Business Unit | Activity | Activity Descr | Vendor | Sum of NIMO Electric | Sum of NIMO Gas |
| 00036 | TO9000 | Supv&Adm Trans Misc Ops | QUANTA TECHNOLOGY LLC | 28,002 | - |
| 00036 Total | | | | 28,002 | - |
| 00099 | AG0040 | Employee Communications | BONFIRE COMMUNICATIONS | 18,475 | 3,784 |
| | AG0085 | Provide Regulatory Support | PHASE TWO DESIGN | 932 | - |
| | | | ENERGYTOOLS LLC | 23,172 | 4,704 |
| | | | SAUL EWING LLP | 12,491 | 2,160 |
| | | | EMPIRE ADVOCATES LLC | 13,390 | 2,329 |
| | | | OCI RESOURCES INC | 147,553 | 25,212 |
| | AG0270 | Audit Operations | GOLDSTEIN & LEE PC | 7,836 | 1,339 |
| | | | DELOITTE CONSULTING LLP | - | - |
| | | | COLDEN CORPORATION | 238 | - |
| | | | KPMG LLP | 41,813 | 5,701 |
| | | | ERNST & YOUNG LLP | 91,838 | - |
| | | | THE INSTITUTE OF INTERNAL AUDITORS | 14,784 | 2,526 |
| | AG0295 | Sourcing | PRO UNLIMITED INC | 1,944 | 398 |
| | | | THE HACKETT GROUP INC | 4,408 | 753 |
| | | | WEBSAN SOLUTIONS INC | 5,194 | 887 |
| | AG0299 | Process Payments | PRO UNLIMITED INC | 2,911 | 506 |
| | AG0465 | HR Transactional Services | PRO UNLIMITED INC | 73,017 | 14,954 |
| | | | CREATIVE SERVICES INC | 1,342 | 275 |
| | | | MELLON INVESTOR SERVICES LLC | 35,711 | 7,314 |
| | | | MERCER HUMAN RESOURCE CONSULTING INC | 633,850 | 129,814 |
| | | | NEPC LLC | 12,474 | 2,555 |
| | | | TALX CORPORATION | 5,322 | 1,090 |
| | | | TOWERS WATSON DELAWARE INC | 3,936 | 806 |
| | | | TOWERS WATSON PENNSYLVANIA INC | 3,904 | 799 |
| | | | T ROWE PRICE | 419,493 | 85,913 |
| | AG0485 | Provide Safety & Health Servic | SIGMA CONSULTANTS INC | 12,796 | 2,621 |
| | AG0493 | Provide Administrative & Gener | NUANCE COMMUNICATIONS INC | 601 | 113 |
| | | | YOUNG SAMUEL CHAMBERS LTD | 1,929 | 330 |
| | | | AT&T | 4 | 1 |
| | | | PHASE TWO DESIGN | 1,116 | 194 |
| | | | THERESA JELFO | 61 | 18 |
| | | | PRO UNLIMITED INC | 61,285 | 1,242 |
| | | | NETCOM LEARNING | 44,487 | 664 |
| | | | VERIZON | 52,929 | 9,489 |
| | | | ERNST & YOUNG LLP | 55,294 | 9,448 |
| | | | THE LEADER'S EDGE | 10,676 | 1,857 |
| | | | CORPORATE EXECUTIVE BOARD | 32,767 | 5,598 |
| | | | FACILITY ISSUES | 977 | 167 |
| | | | JONES LANG LASALLE AMERICAS INC | 75,824 | 12,955 |
| | | | REVENEW INTERNATIONAL LLC | 67,035 | 11,453 |
| | | | AIGNER/PRENSKY MARKETING GROUP | - | - |
| | | | TRANSACTION ASSOCIATES INC | 869 | 108 |
| | AG0760 | Operations Executive Services | YOUNG SAMUEL CHAMBERS LTD | 8,385 | 1,611 |
| | | | CAPGEMINI TECHNOLOGIES LLC | 123,521 | - |
| | | | PRO UNLIMITED INC | 3,069 | - |
| | | | RUSSELL REYNOLDS ASSOCIATES INC | 780 | - |
| | | | ALPHA CONSTRUCTION AND ENGINEERING CORP | 2,634 | - |
| | | | PA CONSULTING GROUP INC | 93,755 | 16,017 |
| | | | ANALYSIS GROUP INC | 35,116 | - |
| | | | ALLENBAUGH ASSOCIATES INC | 15,666 | - |
| | | | ORACLE AMERICA INC | 5,037 | 1,032 |
| | | | OLIVER WYMAN INC - MERCER MANAGEMENT | 338,553 | 66,740 |
| | AG0775 | Transmission Financial Service | PRO UNLIMITED INC | 4,435 | - |
| | AG0780 | Electric Distribution Financia | PA CONSULTING GROUP INC | 6,748 | - |
| | AG0844 | IS Development A&G | IBM CORPORATION | 5,012 | - |
| | | | ITRON INCORPORATED | 23,768 | 4,685 |
| | | | ADTECH-GESI LLC | 266 | 46 |
| | | | ORACLE AMERICA INC | 67,018 | - |
| | AG0847 | IS Support A&G | IBM CORPORATION | 651,115 | 109,141 |
| | | | WIPRO LTD | 18,873 | 3,635 |
| | AG0851 | IS Development - Distribution | KEMA INC | 13,253 | - |
| | | | NOISE CONSULTING GROUP INC | - | - |
| | AG0855 | Maintenance & Support | IBM CORPORATION | 69,105 | - |
| | | | NETCOM LEARNING | 6,035 | 92 |
| | AG0860 | IT Executive Management & Over | PRO UNLIMITED INC | 8,720 | 1,490 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Direct Charges to Co 36 - (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part 1

| | | | | |
|---|---|---|---|---|
| 00099 | TO9120 | PP99902770 | (1,996) | - |
| | | PP99905293 | 1,996 | - |
| | | PP99909607 | - | - |
| | AG0990 | 99618DS15 | 42,316 | - |
| | AG0493 | 99618DS18 | 29,866 | 6,117 |
| | AG0100 | PP999O F99 | - | - |
| | GO9096 | 99431DS | - | (5,704) |
| | AG0480 | 991128 KS | 1,015 | - |
| | AG0270 | 99404DO5 | 106,050 | 18,444 |
| | AG0060 | 99431DS | (7,749) | - |
| | AG0236 | 99618DS15 | 22,774 | - |
| | | 99618DS18 | (22,774) | - |
| | DO9030 | 99431DS | (64) | - |
| | AG0290 | 99614-03EB | 45,288 | 5,729 |
| | | 99614-21EB | (1,461) | - |
| | | 99614-06EB | 107,713 | 19,362 |
| | | 99614-09EB | 11,639 | 79 |
| | | 99614-24EB | 14,555 | - |
| | | 99614-26EB | 28,917 | 3,998 |
| | | 99614-32EB | 25,105 | 542 |
| | | 99614-33EB | (2,375) | - |
| | AG1010 | 99614-03EB | (41,206) | (8,440) |
| | AG0844 | 99614-23EB | (28,454) | - |
| | | 99614-05EB | 2,885 | - |
| | | 99614-02EB | - | - |
| | AG0860 | 99614-05EB | 153 | - |
| | | 99614-07 | (1,185) | - |
| | AG0847 | 99614-13EB | 10,936 | - |
| | AG0275 | 99618DS15 | 13,759 | 2,818 |
| | | 99618DS17 | 27,163 | - |
| | AG0495 | 99618DS15 | 72,818 | - |
| | | 99618DS18 | 27,724 | - |
| | AG0250 | 99618DS17 | (27,163) | - |
| | AG0992 | 99618DS18 | 36,590 | 7,494 |
| | TM1100 | FAILPP99W | 2,970 | - |
| | TM3000 | PP99913461 | 9,526 | - |
| 00099 Total | | | 705,994 | 50,439 |
| 00431 | 921000 | KSA0010598 | 96,960 | 16,977 |
| | | KSA0011253 | (84,531) | (34,329) |
| | | KSA0011556 | 477,284 | 95,122 |
| | | KSA0012895 | (25,789) | (1,852) |
| | | KSA0013596 | 206,102 | 63,862 |
| | | KSA0014315 | 8,127 | 1,216 |
| | | KSA0015212 | 130,919 | 24,331 |
| | | KSA0015486 | (26,544) | 8,395 |
| | | KSA0016536 | (16,147) | (846) |
| | | KSA0016820 | 16,839 | 3,150 |
| | | KSA0017082 | 384,622 | 106,425 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Direct Charges to Co 36 - (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part I

| | | | | |
|---|---|---|---|---|
| 00431 | 921000 | KSA0018097 | 171,002 | 29,255 |
| | | KSA0019344 | 286,324 | 45,995 |
| | GM0140 | KSA0010598 | - | 836 |
| | | KSA0011253 | - | 299 |
| | | KSA0011556 | - | (2,034) |
| | | KSA0012895 | - | 2,138 |
| | | KSA0014315 | - | 8 |
| | | KSA0015486 | - | 17 |
| | | KSA0016536 | - | 80 |
| | | KSA0017082 | - | 3 |
| | | KSA0018097 | - | (185) |
| | | KSA0019344 | - | 425 |
| | GM0141 | KSA0010598 | - | 98 |
| | | KSA0011253 | - | 35 |
| | | KSA0011556 | - | (239) |
| | | KSA0012895 | - | 252 |
| | | KSA0014315 | - | 1 |
| | | KSA0015486 | - | 2 |
| | | KSA0016536 | - | 9 |
| | | KSA0017082 | - | 0 |
| | | KSA0018097 | - | (22) |
| | | KSA0019344 | - | 50 |
| | GO0200 | KSA0010598 | - | 344 |
| | | KSA0011253 | - | 123 |
| | | KSA0011556 | - | (838) |
| | | KSA0012895 | - | 880 |
| | | KSA0014315 | - | 3 |
| | | KSA0015486 | - | 7 |
| | | KSA0016536 | - | 33 |
| | | KSA0017082 | - | 1 |
| | | KSA0018097 | - | (76) |
| | | KSA0019344 | - | 175 |
| | GO0210 | KSA0010598 | - | 98 |
| | | KSA0011253 | - | 35 |
| | | KSA0011556 | - | (239) |
| | | KSA0012895 | - | 252 |
| | | KSA0014315 | - | 1 |
| | | KSA0015486 | - | 2 |
| | | KSA0016536 | - | 9 |
| | | KSA0017082 | - | 0 |
| | | KSA0018097 | - | (22) |
| | | KSA0019344 | - | 50 |
| | GO5030 | KSA0010598 | - | 295 |
| | | KSA0011253 | - | 106 |
| | | KSA0011556 | - | (718) |
| | | KSA0012895 | - | 755 |
| | | KSA0014315 | - | 3 |
| | | KSA0015486 | - | 6 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Direct Charges to Co 36 - (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part 1

| | | | | |
|---|---|---|---|---|
| 00431 | GO5030 | KSA0016536 | - | 28 |
| | | KSA0017082 | - | 1 |
| | | KSA0018097 | - | (65) |
| | | KSA0019344 | - | 150 |
| | GO9070 | KSA0010598 | - | 492 |
| | | KSA0011253 | - | 176 |
| | | KSA0011556 | - | (1,197) |
| | | KSA0012895 | - | 1,258 |
| | | KSA0014315 | - | 5 |
| | | KSA0015486 | - | 10 |
| | | KSA0016536 | - | 47 |
| | | KSA0017082 | - | 2 |
| | | KSA0018097 | - | (109) |
| | | KSA0019344 | - | 250 |
| | GO9086 | KSA0010598 | - | 1,967 |
| | | KSA0011556 | - | (4,787) |
| | | KSA0012895 | - | 5,031 |
| | | KSA0014315 | - | 20 |
| | | KSA0015486 | - | 39 |
| | | KSA0016536 | - | 188 |
| | | KSA0018097 | - | (434) |
| | | KSA0019344 | - | 1,000 |
| | GO9001 | KSA0011253 | - | 704 |
| | | KSA0017082 | - | 8 |
| | 923001 | KSA0010598 | (29,524) | 4,046 |
| | | KSA0011253 | 222,196 | 52,591 |
| | | KSA0011556 | (51,158) | (7,340) |
| | | KSA0012895 | (52,941) | 768 |
| | | KSA0013596 | (62,299) | (14,015) |
| | | KSA0014315 | 107,391 | 19,243 |
| | | KSA0015212 | 73,718 | 15,056 |
| | | KSA0015486 | 118,095 | 25,583 |
| | | KSA0016536 | 112,103 | 22,325 |
| | | KSA0017082 | (74,532) | (2,197) |
| | | KSA0018097 | 34,451 | 1,153 |
| | | KSA0019344 | 69,209 | 16,501 |
| | | KSA0010869 | 32,700 | 6,116 |
| | | KSA0011129 | - | 34 |
| | | KSA0011478 | 2,230 | 1,191 |
| | | KSA0012012 | (32,675) | (6,111) |
| | | KSA0013166 | 3,508 | 984 |
| | | KSA0013785 | 1,434 | 335 |
| | | KSA0014527 | 407 | 83 |
| | | KSA0015432 | 70 | 12 |
| | | KSA0015643 | 13 | 6 |
| | | KSA0017015 | - | 109 |
| | | KSA0018517 | 1,502 | 308 |
| | 902000 | KSA0010598 | 14 | 3 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Direct Charges to Co 36 - (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part I

| | | | | |
|---|---|---|---|---|
| 00431 | 902000 | KSA0011253 | 15 | 4 |
| | | KSA0011556 | 4 | 1 |
| | | KSA0012895 | 3 | 1 |
| | | KSA0014315 | 9 | 2 |
| | | KSA0015486 | 42 | 8 |
| | | KSA0016536 | 84 | 16 |
| | | KSA0017082 | 26 | 7 |
| | | KSA0018097 | 14 | 3 |
| | | KSA0019344 | 9 | 2 |
| 00431 Total | | | 2,101,283 | 502,374 |
| 00005 | AG0109 | 05681B | (106) | (22) |
| | DO9000 | 05617KA_26 | (6,662) | - |
| | DO9130 | 05617KA_26 | 27,564 | - |
| 00005 Total | | | 20,796 | (22) |
| Grand Total | | | 2,314,225 | 308,471 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Indirect Charges to Co 36 - (SUMMARY)
Historic Year Ending December 31, 2011
Expense Type 100 & 105 - Consultants
Adjusted Historic Test Year Costs
Part J

| IR Category | OTHER |
|---|---|

| | | | | | Data | |
|---|---|---|---|---|---|---|
| Orig Business Unit | Activity | Activity Descr | Jrnl Id | Period | Sum of NIMO Electric | Sum of NIMO Gas |
| 00099 | AG0493 | Provide Administrative & Gener | 99618DS12 | 1 | (4,145) | (66) |
| | | | | 12 | 3,894 | 65 |
| | | | 99618DS14 | 10 | 2,240 | 183 |
| | | | | 11 | (2,240) | (183) |
| | | | 99618DS17 | 11 | 2,014 | 187 |
| | | | | 12 | (2,014) | (187) |
| | | | 99618DS18 | 10 | (1,783) | - |
| | | | | 11 | (7,940) | (2,353) |
| | | | 99618DS2 | 8 | 5,286 | 561 |
| | | | | 9 | (5,286) | (561) |
| | | | 99618DS3 | 9 | 3,482 | 281 |
| | | | 99618DS4 | 6 | 5,308 | - |
| | | | | 7 | (5,308) | - |
| | | | 99618DS8 | 1 | 4,145 | 66 |
| | | | | 2 | (4,145) | (66) |
| | | | | 7 | 1,076 | - |
| | | | | 8 | (1,076) | - |
| | AG0844 | IS Development A&G | 99614-01 | 1 | (30,466) | - |
| | | | 99614-11EB | 9 | (5,012) | - |
| | | | 99614-29EB | 5 | (2,464) | (421) |
| | | | 99614-37EB | 8 | (297) | - |
| | | | 99618DS21 | 10 | (245,639) | (42,721) |
| | | | 99405DO1 | 3 | 1,337 | 274 |
| | | | 99614-19CW | 10 | 6,203 | - |
| | | | | 11 | (6,203) | - |
| | | | 99614-21JV | 11 | 6,203 | - |
| | | | | 12 | (6,203) | - |
| | AG0847 | IS Support A&G | 99614-17EB | 6 | 662,793 | 113,193 |
| | | | | 7 | (662,500) | (113,193) |
| | | | 99614-22EB | 7 | 30,209 | 555 |
| | | | | 8 | (30,209) | (555) |
| | | | 99614-28EB | 7 | 33,076 | 5,651 |
| | | | | 8 | (33,076) | (5,651) |
| | | | 99614-06EB | 9 | 897,806 | 153,428 |
| | | | 99614-13EB | 9 | 21,781 | 299 |
| | | | 99614-14EB | 7 | 804,164 | 137,398 |
| | | | | 8 | (804,164) | (137,398) |
| | | | | 9 | (301,542) | (51,531) |
| | | | 99614-19EB | 8 | 862,911 | 147,435 |
| | | | | 9 | (862,911) | (147,465) |
| | | | 99614-26EB | 6 | 31,980 | 5,462 |
| | | | | 7 | (31,965) | (5,462) |
| | | | 99614-35EB | 8 | 22,107 | 487 |
| | | | | 9 | (22,107) | (487) |
| | | | 99614-36EB | 5 | 261,764 | 44,724 |
| | | | | 6 | (261,880) | (44,724) |
| | | | 99614-38EB | 5 | 24,635 | 4,209 |
| | | | | 6 | (24,646) | (4,209) |
| | | | | 12 | 5,596 | 1,146 |
| | AG0880 | Telecom & Network (Voice/Data) | 99614-23EB | 4 | 116,104 | 19,837 |
| | | | | 5 | (116,104) | (19,837) |
| | | | 99614-29EB | 3 | (733) | (125) |
| | | | 99614-31EB | 5 | - | - |
| | | | 99614-32EB | 4 | - | - |
| | | | 99614-39EB | 8 | 233,910 | 39,965 |
| | | | | 9 | (233,910) | (39,973) |
| | DO9140 | Eng/Devl Mtring Schemes-Dist | 99404DO2R | 10 | (44,263) | - |

Date of Request: 5/21/12
Due Date:

Request No. DPS-89 (DAG-9)
NMPC Req. No. 89

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Denise Gerbsch

TO: Revenue Requirement Panel (RRP)

SUBJECT: Exhibit __ (RRP-2), Schedules 9-10 and 16-17

Request:

1. Schedule 9 – Exp Type #A10 – AFUDC Debt – Even though the HTY costs have been normalized out in forecasting the RYE 3/14 expense, please explain why the costs for AFUDC debt are booked to an O&M expense account.

2. Schedule 10 - Exp Type #A20 – Service Company Equity Credits
   (a) Please provide a detailed explanation of what this expense type is and how it is calculated.
   (b) Please provide the calculation of any fixed return that was booked to this expense type for the service company equity in the HTY, and provide the allocators used to distribute the costs to the various National Grid affiliates.
   (c) Please describe the tax benefits and provide the calculation of any tax benefits the service company received during the HTY that were booked to this expense type, and provide the allocators used to distribute the costs to the various National Grid affiliates.
   (d) Please provide the calculation of any other cost or benefit that is booked to this expense type for the HTY, and provide the allocators used to distribute the costs to the various National Grid affiliates.
   (e) Please explain how these costs and benefits are accounted for the KeySpan service companies, and if the treatment of costs or benefits is similar to the treatment of expense type #A20 costs and benefits. If the KeySpan service companies costs or benefits are reflected elsewhere in the filing, please provide a cite to where in the Company's filing they can be found.
   (f) Please explain the impact on the costs or benefits reflected in this expense type, and the change from the HTY to the RYE 3/14 in service company owned or leased assets (e.g. additional asset expected in the RYE 3/14 for the US Foundations Program). Have these expected changes been reflected in the RYE 3/14 service company equity credit projection? If yes, please explain. If not, why not.

3. Schedule 16 – Expense Type # A60 - Supervision and Administration
   (a) Please provide a detailed explanation of what (i) the expense cost is supposed to encompass and represent, (ii) how the cost is calculated, and on what basis does the charge come through to Niagara Mohawk (Co 36).
   (b) The RYE 3/14 projection of this expense type contained no normalizing adjustment, except for the inflation adjustment. Please explain and provide the analysis the Company undertook to determine the actual historic test year amounts were reasonable and needed no adjustments, in forecasting the rate year.
   (c) Please explain why the supervision and administration costs as described in the Company's response to 3(a) above are not reflected in other expense type components such as the company's projection of labor, accounting, finance, human resources, etc, or in the cost of capital projects. How are these costs not a doublecount of costs reflected elsewhere?
   (d) If these costs are billed to associated companies or third parties, where are the revenues reflected that are received from the associated companies or third parties?

4. Schedule 17 – Expense Type # A65 – Service Company Operating Costs
   (a) Please provide a detailed explanation of what (i) the expense cost is supposed to encompass and represent, (ii) how the cost is calculated, and on what basis does the charge come through to Niagara Mohawk (Co 36).
   (b) Please explain and provide the analysis the Company undertook to determine if the actual historic test year amounts needed to be normalized for this expense item, in forecasting the rate year expense.
   (c) Please explain why the service company operating costs (supervision and administration costs) as described in the Company's response to 4(a) above are not reflected in other expense type components such as the company's projection of labor, accounting expense, finance, human resources, etc, or in the cost of capital projects. How are these costs not a doublecount of costs reflected elsewhere?
   (d) If these costs are billed to associated companies or third parties, where are the revenues reflected that are received from the associated companies or third parties?

Response:

1. Normally, a write-off related to plant should be cleared against the associated plant account charged. However, for the AFUDC expense type (A10), if a project is not capitalized, it will reverse from plant and hit an O&M expense account, typically TM, DM, DO, and TO activities. Therefore, the Company has removed these expenses to below the line for the HTY.

2. Exp Type #A20
   (a) Exp Type #A20 is the expense type used to identify the clearing of National Grid USA Service Company net income that is charged to bill pool 00694. The charges to this bill pool are detailed below. There are two items, the fixed return on

Service Company equity (Service Company Income) and the tax expense the Service Company recorded during the test year (Service Company Tax Calc).

Billing Pool 00694

| Sum of Posted Jrnl $ | | |
|---|---|---|
| **JE category** | **JE type** | **Total** |
| **- MANUAL JE** | MISC | (199) |
| | Service Company Income | 525 000 |
| | Service Company Tax Calc | (5 431 107) |
| **MANUAL JE Total** | | (4,906,306) |
| **Grand Total** | | (4,906,306) |

These amounts are allocated to the operating companies through the burdening process – the cost follows Service Company labor. Peoplesoft was designed to clear these amounts in total each month based on a system calculation of the rate to be applied. There is not a rate set by the Accounting department or a clearing account involved as there is with other burdens – all costs get charged out every month. The chart at left below shows the total post allocated amounts by affiliate, which in total agrees to the amounts charged to bill pool 00694. The chart at right is just O&M. The difference is the amounts charged to Service Company billable work orders - Regulatory Account 174.

**Post Allocation to all sources**

Expense Type A20
JE Cat (All)
O&M (All)

| Sum of Posted Jrnl $ | | |
|---|---|---|
| **Business Unit** | **Bus Unit Descr** | **Total** |
| - 00001 | National Grid USA | (29 454) |
| - 00004 | Nantucket Electric Company | (9 112) |
| - 00005 | Massachusetts Electric Company | (1 373 946) |
| - 00006 | NE Hydro - Trans Electric Co | (36 050) |
| - 00008 | New England Hydro - Trans Corp | (3 106) |
| - 00010 | New England Power Company | (787 706) |
| - 00020 | New England Electric Trans Co | (4 091) |
| - 00021 | National Grid Trans Services | (326) |
| - 00035 | Niagara Mohawk Holdings Inc | 0 |
| - 00036 | Niagara Mohawk Power Corp | (1 285 127) |
| - 00037 | Opinac North America Inc | (7) |
| - 00041 | Granite State Electric Company | (63 681) |
| - 00048 | Narragansett Gas Company | (97 277) |
| - 00049 | Narragansett Electric Company | (532 124) |
| - 00070 | Wayfinder Group Inc | (3) |
| - 00071 | Valley Appliance & Merchandise | 3 |
| - 00072 | National Grid Billing Entity | 17 270 |
| - 00085 | NEES Energy Inc | (0) |
| - 00086 | EUA Energy Investment | (0) |
| - 00095 | Metrowest Realty LLC | 39 |
| - 00099 | National Grid USA Service Co | 235 689 |
| - 01401 | Boston Gas Company Billing BU | (365.295) |
| - 01402 | Essex Gas Company Billing BU | (13 413) |
| - 01403 | Colonial Lowell Div Billing BU | (49 640) |
| - 01404 | Colonial Cape Cod Billing BU | (587) |
| - 01406 | EnergyNorth Nat Gas Billing BU | (40 603) |
| - 01431 | KeySpan Corp Serv Billing BU | - |
| - 01434 | KeySpan Electric Srv BillingBU | (127 962) |
| - 01435 | KeySpan Generation Billing BU | (58 841) |
| - 01436 | KeySpan Energy Dev Billing BU | (824) |
| - 01437 | KS Gas East Corp KEDLI Bill BU | (94 322) |
| - 01438 | Brklyn Union Gas KEDNY Bill BU | (181 678) |
| - 01444 | KS Energy Trading Billing BU | (96) |
| - 01446 | KS Glenwood Energy Billing BU | (919) |
| - 01448 | KS Port Jeff Energy Billing BU | (1 014) |
| - 01459 | KS Services Billing BU | (98) |
| - 01471 | Seneca Upshur Billing BU | (1 731) |
| - 01554 | KS LNG RegulatedEntity Bill BU | (57) |
| **Grand Total** | | **(4,906,089)** (1) |

**Post Allocation - O&M only**

Expense Typ A20
JE Cat (All)
O&M O&M

| Sum of Post | | |
|---|---|---|
| **Business** | **Bus Unit Descr** | **Total** |
| - 00001 | National Grid USA | (29 454) |
| - 00004 | Nantucket Electric Company | (9 112) |
| - 00005 | Massachusetts Electric Company | (1 373 946) |
| - 00006 | NE Hydro - Trans Electric Co | (36 050) |
| - 00008 | New England Hydro - Trans Corp | (3 106) |
| - 00010 | New England Power Company | (787 706) |
| - 00020 | New England Electric Trans Co | (4 091) |
| - 00021 | National Grid Trans Services | (326) |
| - 00035 | Niagara Mohawk Holdings Inc | 0 |
| - 00036 | Niagara Mohawk Power Corp | (1 285 127) (2) |
| - 00037 | Opinac North America Inc | (7) |
| - 00041 | Granite State Electric Company | (63 681) |
| - 00048 | Narragansett Gas Company | (97 277) |
| - 00049 | Narragansett Electric Company | (532 124) |
| - 00070 | Wayfinder Group Inc | (3) |
| - 00071 | Valley Appliance & Merchandise | 3 |
| - 00072 | National Grid Billing Entity | 17 270 |
| - 00085 | NEES Energy Inc | (0) |
| - 00086 | EUA Energy Investment | (0) |
| - 00095 | Metrowest Realty LLC | 39 |
| - 00099 | National Grid USA Service Co | (160) |
| - 01401 | Boston Gas Company Billing BU | (365 295) |
| - 01402 | Essex Gas Company Billing BU | (13 413) |
| - 01403 | Colonial Lowell Div Billing BU | (49 640) |
| - 01404 | Colonial Cape Cod Billing BU | (587) |
| - 01406 | EnergyNorth Nat Gas Billing BU | (40 603) |
| - 01431 | KeySpan Corp Serv Billing BU | - |
| - 01434 | KeySpan Electric Srv BillingBU | (127 962) |
| - 01435 | KeySpan Generation Billing BU | (58 841) |
| - 01436 | KeySpan Energy Dev Billing BU | (824) |
| - 01437 | KS Gas East Corp KEDLI Bill BU | (94 322) |
| - 01438 | Brklyn Union Gas KEDNY Bill BU | (181 678) |
| - 01444 | KS Energy Trading Billing BU | (96) |
| - 01446 | KS Glenwood Energy Billing BU | (919) |
| - 01448 | KS Port Jeff Energy Billing BU | (1 014) |
| - 01459 | KS Services Billing BU | (98) |
| - 01471 | Seneca Upshur Billing BU | (1 731) |
| - 01554 | KS LNG RegulatedEntity Bill BU | (57) |
| **Grand Total** | | **(5.141,938)** |

(1) Agrees to amounts charged to Service Co bill pool 00694 - variance $217 - immaterial
(2) Agrees to testimony - NIMO portion

(b) National Grid USA Service Company was authorized by the Securities and Exchange Commission on January 5, 2001 to earn a rate of return equal to 10.50% of contributed common equity. The Company's contributed common equity is $5,000,000. The total return of $525,000 is calculated as follows: $5,000,000 X 10.50%=$525,000. The allocator used to distribute the cost is 00694 as described above in part (a).

(c) The tax expense recorded by Service Company is the tax liability of the stand alone Service Company net income of $525,000 plus the effect of the various schedule M adjustments, which are primarily tax timing issues related to employee benefits. When taxes booked to 00694 are allocated, they are charged to the operating companies as Regulatory Account 921. A subsequent entry was done each month to reclassify the tax amounts at the regulated utilities from Regulatory Account 921 back to Regulatory Accounts 409 and 410. This reclass charged to cost type 400 – Other.

(d) There are not any other costs booked to this expense type in the HTY other than Service Company net income and Service Company taxes, as described above in parts (a) thru (c)

(e) Similar to NGUSA Services Inc, the legacy KeySpan Service Companies are permitted to earn a return on common equity and record associated income taxes. However, unlike legacy National Grid, the service company design inherent in the Oracle financial system does not require all P&L balances to be cleared to zero and allocated to affiliates each month. Accordingly, the legacy KeySpan Service Companies do not apply an allocation mechanism similar to the A20 expense type utilized by NGUSA Services Inc. The legacy KeySpan Service Companies do not allocate their return on equity or their income taxes but rather retain those amounts in the Service Company and report them on each Service Company's stand alone income statements. Specific details associated with the return on equity and income taxes are as follows:

    (i) Equity: National Grid Corporate Services LLC earns a return on common equity, which is calculated each month based on the prior month's balance of common stock plus retained earnings multiplied by the monthly pre-tax rate of the highest outstanding promissory note, set at 1.12% in calendar year 2011 (or 13.45% per annum pre-tax, 7.25% after-tax) Similarly, National Grid Engineering & Survey Inc. earns a minimal return that is also calculated each month based on the prior month's balance of common stock plus retained earnings multiplied by the monthly pre-tax money pool rate of .03% (or .37% per annum pre-tax, 0.20% after-tax). National Grid Utility Services LLC does not have positive common equity and accordingly does not earn a return. Returns are recovered from the appropriate legacy KeySpan operating affiliates as a component of the Servco Asset Recovery Charge, which charges the affiliates for their use of common service company owned assets. NMPC is not considered a beneficiary of the legacy KeySpan common assets and therefore does not receive a Servco Asset Recovery Charge. As such, there are no related amounts included in the filing.

    (ii) Income Taxes: Legacy KeySpan files a consolidated federal income tax return with the Parent and there is a tax sharing agreement between the parent and its subsidiaries that provides for the allocation of a realized tax liability or benefit based on separate return contributions of each subsidiary to the consolidated taxable income or loss in the consolidated return. Accordingly, the legacy KeySpan Service Companies do not allocate their associated income taxes.

(f) Expense Type A20 is allocated to Service Company billable work orders (Regulatory Account 174) where the costs of assets to be sold to Bankers Leasing were collected prior to that arrangement being terminated. However, this expense type is not allocated to Service Company owned assets (Regulatory Account 107) where the costs of Service Company assets are currently being collected. Therefore, there is no impact on additions to assets in the HTY or in RYE 13/14

3. (a) Expense Type A60 represents the allocated cost of Supervision and Administration that is to recover operating company only supervision and administrative charges supporting employees working in the field. This covers functions such as Accounting, Finance, Human Resources, Information Technology, Facilities, Legal, etc. for each Originating Business Unit that has employees. The charge is applied to payroll (regular pay and overtime base pay for monthly and weekly employees) billed to associated companies or third parties during month end accounting close processing. Accounting Services reviews the rates monthly and adjusts them as needed. This is the method between all of the operating companies with one exception. At Niagara Mohawk, third party work is charged at a PSC stated rate of 21.62% applied to all charges excluding payments received. The charge is applied during month end accounting close process.

(b) The Company reviewed this expense type as part of its comprehensive review of Historic Test Year O&M expense to determine whether normalizing adjustments should be made, such as, for example, any non-recurring, misallocated, or out of period charges. A complete description of the Company's review process and analysis is described in the testimony of the Service Company Panel at pages 29 to 47 (and the exhibits referenced therein). This review did not identify any non-recurring or other charges that should be normalized.

(c) There is no double count of expense type A60 Supervision and Administration charges. Expense type A60 includes only Supervision and Administration charges allocated from other operating companies that would not have otherwise been directly charged or allocated through a bill pool to Niagara Mohawk.

(d) For Gas, the revenues for Supervision and Administration are reflected in Exhibit___(G-RDP-1), page 1 of 1 and for Electric, the revenues for Supervision and Adminstration are reflected in Exhibit___(E-RDP-4), Schedule 1, Page 1 of 1.

4.

(a)

(i) Expense type #A65 is the expense type used to identify the clearing of National Grid USA Service Operating Cost that is charged to bill pool 00999. The charges to this bill pool, totaling a credit of $825,303 for the HTY are detailed below. Primarily, these costs are from the monthly journal entries posted to reflect the intercompany interest expense related to the Service Company's debt and income and income and expense from investments related to employee deferred compensation. This calendar year analysis also includes a reversal done in March 2011 of some Service Company taxes that were incorrectly booked to this bill poll earlier in the fiscal year. The amounts marked "MISC" are related to small write offs resulting from the balance sheet reconciliation process. The AP payments are primarily penalties paid to taxing authorities related to employment taxes.

a.

| Billing Pool | 00999 | |
|---|---|---|
| **Sum of Posted Jrnl $** | | |
| **JE category** | **JE type** | **Total** |
| **ALLOCATION** | Op Cost Allocation | 1,999,161 |
| | Over Under Op Cost | (1,173,858) |
| **ALLOCATION Total** | | **825,303** |
| **- MANUAL JE** | Dividends - Rabbi Trust | (1,006,614) |
| | Intercompany Note Interest | 4,706,878 |
| | Interest - Rabbi Trust | (3,272,937) |
| | MISC | 132,205 |
| | Misc Non Moneypool interest | (1,133,222) |
| | Moneypool interest | 121,820 |
| | Realized Gain/Loss - Rabbi Tru | (1,382,192) |
| | Service Company Tax Calc | 982,678 |
| **MANUAL JE Total** | | **(851,385)** |
| **- MISC** | AP Payments | 25,811 |
| | MISC | 806 |
| | MISC BILLING | (534) |
| **MISC Total** | | **26,082** |
| **Grand Total** | | **(0)** |

(ii) These amounts are allocated to the operating companies through the monthly burdening process – the cost follows Service Company labor. The Accounting department calculates a burden rate to be applied based on forecasted amounts for the fiscal year and any over/under goes to a clearing account. The table included in part (i) shows that $825,303 went into bill pool 00999 (the sum of MANUAL JE and MISC), $1,999,161 was allocated out to the operating companies and $1,173,858 was charged back to the over/under clearing account 186802 (detailed in JE category ALLOCATION). The clearing to each company is shown below. The table at left shows all the allocations of A65, the one at right shows just the amounts allocated to O&M accounts, which aggress to the amount in the filing.

**Post Allocation to all sources**

Expense Type A65
O&M (All)

| Sum of Posted Jrnl $ | | | |
|---|---|---|---|
| **Business Unit** | **Bus Unit Descr** | **Total** | |
| - 00001 | National Grid USA | (18,485) | |
| - 00004 | Nantucket Electric Company | (2,972) | |
| - 00005 | Massachusetts Electric Company | (590,806) | |
| - 00006 | NE Hydro - Trans Electric Co | (11,544) | |
| - 00008 | New England Hydro - Trans Corp | (1,019) | |
| - 00010 | New England Power Company | (282,512) | |
| - 00020 | New England Electric Trans Co | (1,325) | |
| - 00021 | National Grid Trans Services | (7) | |
| - 00035 | Niagara Mohawk Holdings, Inc. | (0) | |
| - 00036 | Niagara Mohawk Power Corp | (510,531) | |
| - 00037 | Opinac North America, Inc | 2 | |
| - 00041 | Granite State Electric Company | (17,452) | |
| - 00048 | Narragansett Gas Company | (103,771) | |
| - 00049 | Narragansett Electric Company | (231,052) | |
| - 00070 | Wayfinder Group Inc. | (53) | |
| - 00071 | Valley Appliance & Merchandise | (18) | |
| - 00072 | National Grid Billing Entity | (8,196) | |
| - 00085 | NEES Energy, Inc. | 0 | |
| - 00086 | EUA Energy Investment | 0 | |
| - 00095 | Metrowest Realty LLC | (231) | |
| - 00099 | National Grid USA Service Co. | (68,047) | |
| - 01401 | Boston Gas Company Billing BU | (40,413) | |
| - 01402 | Essex Gas Company Billing BU | (1,511) | |
| - 01403 | Colonial Lowell Div Billing BU | (8,248) | |
| - 01404 | Colonial Cape Cod Billing BU | (47) | |
| - 01406 | EnergyNorth Nat Gas Billing BU | (6,410) | |
| - 01431 | KeySpan Corp Serv Billing BU | (946) | |
| - 01434 | KeySpan Electric Srv BillingBU | (23,761) | |
| - 01435 | KeySpan Generation Billing BU | (11,223) | |
| - 01436 | KeySpan Energy Dev Billing BU | (464) | |
| - 01437 | KS Gas East Corp KEDLI Bill BU | (19,341) | |
| - 01438 | Brklyn Union Gas KEDNY Bill BU | (32,862) | |
| - 01444 | KS Energy Trading Billing BU | (22) | |
| - 01446 | KS Glenwood Energy Billing BU | (212) | |
| - 01448 | KS Port Jeff Energy Billing BU | (190) | |
| - 01459 | KS Services Billing BU | (154) | |
| - 01471 | Seneca Upshur Billing BU | (529) | |
| - 01554 | KS LNG RegulatedEntity Bill BU | (75) | |
| **Grand Total** | | **(1,994,426)** | (1) |

**Post Allocation - O&M only**

Expense Typ A65
O&M O&M

| Sum of Post | | | |
|---|---|---|---|
| **Business Uni** | **Bus Unit Descr** | **Total** | |
| - 00001 | National Grid USA | (18,485) | |
| - 00004 | Nantucket Electric Company | (2,104) | |
| - 00005 | Massachusetts Electric Company | (468,230) | |
| - 00006 | NE Hydro - Trans Electric Co | (10,778) | |
| - 00008 | New England Hydro - Trans Corp | (611) | |
| - 00010 | New England Power Company | (159,282) | |
| - 00020 | New England Electric Trans Co | (1,317) | |
| - 00021 | National Grid Trans Services | (7) | |
| - 00035 | Niagara Mohawk Holdings, Inc. | (0) | |
| - 00036 | Niagara Mohawk Power Corp | (393,744) | (2) |
| - 00037 | Opinac North America, Inc | 2 | |
| - 00041 | Granite State Electric Company | (13,900) | |
| - 00048 | Narragansett Gas Company | (83,260) | |
| - 00049 | Narragansett Electric Company | (156,961) | |
| - 00070 | Wayfinder Group Inc. | (53) | |
| - 00071 | Valley Appliance & Merchandise | (0) | |
| - 00072 | National Grid Billing Entity | (8,196) | |
| - 00085 | NEES Energy, Inc. | 0 | |
| - 00086 | EUA Energy Investment | 0 | |
| - 00095 | Metrowest Realty LLC | (228) | |
| - 00099 | National Grid USA Service Co. | 0 | |
| - 01401 | Boston Gas Company Billing BU | (39,052) | |
| - 01402 | Essex Gas Company Billing BU | (1,501) | |
| - 01403 | Colonial Lowell Div Billing BU | (7,869) | |
| - 01404 | Colonial Cape Cod Billing BU | (47) | |
| - 01406 | EnergyNorth Nat Gas Billing BU | (6,333) | |
| - 01434 | KeySpan Electric Srv BillingBU | (23,139) | |
| - 01435 | KeySpan Generation Billing BU | (11,223) | |
| - 01436 | KeySpan Energy Dev Billing BU | (464) | |
| - 01437 | KS Gas East Corp KEDLI Bill BU | (18,925) | |
| - 01438 | Brklyn Union Gas KEDNY Bill BU | (32,271) | |
| - 01444 | KS Energy Trading Billing BU | (22) | |
| - 01446 | KS Glenwood Energy Billing BU | (211) | |
| - 01448 | KS Port Jeff Energy Billing BU | (190) | |
| - 01459 | KS Services Billing BU | (154) | |
| - 01471 | Seneca Upshur Billing BU | (528) | |
| - 01554 | KS LNG RegulatedEntity Bill BU | (75) | |
| **Grand Total** | | **(1,459,157)** | |

(1) Agrees to amounts charged to Service Co bill pool 00999 - variance $4,735 manual journals - immaterial
(2) Agrees to testimony - NiMO portion

(b) The Company did not normalize any components included in this expense type. The total O&M component was included. To the extent this expense type was allocated <u>to</u> other excluded groups of costs, this cost type was also excluded.
(c) These costs are not included in labor, accounting expense, etc. They are as described above in part a – interest, dividends and other costs associated with Service Company's investments not accounted for elsewhere
(d) The revenues from Service Co billings to non-affiliates are reported on the Service Company's Form 60 in account 458.

<u>Name of Respondent:</u> <u>Date of Reply:</u>

Colleen Dowling – Part 2 and 4 May 31, 2012
John O Shaughnessy – Part 2e

Date of Request: May 21, 2012
Due Date: May 31, 2012

Request No. DPS-90(HTC-1)
NMPC Req. No. 90

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Hieu Cam

TO: Charles F. Willard

SUBJECT: SIR Program

Request:

1. Please list, in excel spreadsheet format, all completed SIR projects in the last 5 years. Please include the following information.
   a. Budgeted amount
   b. Actual amount spent
   c. If actual cost variance is more than ± 10% of amount budgeted, please provide a detailed explanation of the causes of the variance.
   d. Please explain the actions the company has taken to prevent future cost overruns.
   e. Original expected completion date.
   f. Actual completion date.
2. For the past 5 fiscal and calendar years, please provide the amount budgeted and expended on all SIR projects.
3. Please list, in excel spreadsheet format, all current and future SIR projects. Please include the following information for each project:
   a. Original budgeted amount
   b. Amount spent to date
   c. Expected amount to be spent by project completion
      i. If expected total amount to be expended is over/under by 10% of the original budgeted amount, please provide a detailed explanation of the causes of the variance.
      ii. Please explain the actions the company has taken, or will take, to prevent future cost overruns and to reduce costs for the remainder of the project.
   d. Original expected completion date.
   e. Current expected completion date.
4. Please explain the value engineering techniques the company implemented in order to reduce costs? What was the result? What were some other techniques that were considered but not implemented? Why they were not implemented? Were there any instances where the value engineering techniques results in cost-overruns? Please explain in detail.

5. On average, how many value engineering methods does the company consider for each SIR project? In total, how many value engineering ideas has the company implemented in the past 5 years? Please provide the amount saved for each.
6. For the most recent SIR project completed at costs 10% higher than originally estimated, how many bids did the Company acquire? Was the lowest bidder selected? If not, why not? Please provide a copy of the construction contract.
7. For the past 5 years, what percentages of cost overruns are due to weather delays, change in scope of work due to unexpected field conditions, DEC related, or others (please specify).

Response:

Requests 1-7 refer to SIR project budgets. NIMO tracks project budgets in three categories:

(a) Annual site budget
(b) Site budget (or reserve)
(c) Project budgets (individual site investigations, designs, constructions, etc.)

In our responses, we have assumed that all requests but request 2 refer to a subset of (c), specifically construction project budgets. Our assumption is based on references to value engineering and under/over 10% of project budget, which are commonly associated with construction projects. We assumed request 2 refers to (a) annual site budgets. For clarity and reference in response to the requests, a description of the three budget types are provided below. The descriptions also provide insight regarding budgeting and forecast challenges:

Annual Site Budgets

Annual site budgets are based on a fiscal year (April – March), estimated based on a meeting with the NYS Department of Environmental Conservation (DEC) in the preceding year, typically in December. The DEC requires schedules based on the fiscal year to correspond to the DEC operating calendar. The DEC schedules are based on an "early start" or the earliest possible date tasks may begin as required by the DEC. The corresponding NIMO site budgets are estimated based on this early start schedule. As described in the Direct Testimony of Charles F. Willard (p. 11), many factors may delay the work which is not known at the time the annual budget is established. This typically results in a budget under run.

Site Budget

Site budgeting is summarized below. The initial cost estimate or budget for a site (also known as the reserve) is established following site discovery based on limited information prior to investigation. The estimate is adjusted as work progresses from the initial site discovery phase into the investigation and remediation phases (if necessary), as more information is available.

Beyond the initial discovery, the SIR process consists of five primary steps: 1) investigation; 2) remedial alternative screening, evaluation and recommendation; 3) remedial design; 4) remediation; and 5) post remediation monitoring and maintenance of installed remedial systems (for example groundwater treatment systems). The highest-cost step is site remediation. Site remediation scopes (and corresponding cost) vary based on several factors: the vertical and/or horizontal extent of contamination; contaminant concentration; potential for human or environmental exposure; and media impacted (soil, groundwater, or sediment).

The first step of the investigation phase is the Site Characterization (SC). The purpose of the Site Characterization is to determine if remediation is required. Two MGP sites were closed following the SC (Attica and Mohawk) and one only requires future use restrictions (Cohoes (Sargeant St.)). If the DEC determines remediation is necessary, the next phase, the Remedial Investigation (RI), determines the nature and extent of contamination. More than one phase of investigation is typically required to complete the RI. Investigations begin at the source area (plant or former disposal area(s)) and progress outward. Investigations may progress beyond the former plant property, requiring sometimes lengthy negotiation of access terms to third party properties. In addition, the plant site may be owned by a third party as many former gas plant properties were divested after the plant ceased operations. Each work plan and investigation report requires DEC approval prior to the next phase. RIs which progress to sediment investigations in nearby water bodies substantially increase scopes in cost and duration..

A rough engineering estimate of the remediation is not available until after the RI. Feasibility Study (FS) includes an evaluation of technologies and screening of a range of potential remediation scenarios. Cost estimates are developed for the scenarios that are retained. Cost scenarios range from limited action to removal of all contamination to pre-use conditions. The latter scenario can range into the hundreds of millions of dollars, depending on contaminant distribution (depth & aerial extent), concentrations and property use/ restoration. Early EPA guidance for precision was +50/-30%; however, this estimate is typically not met in the environmental industry as explained in a presentation ("Estimation of MGP Site Investigation and Remediation Costs") discussing utility and insurance industry difficulties in meeting cost estimation tolerances dated July 12, 2011 by Timothy W. Devitt of Gnarus Advisors, LLC in Case 11-M-0034 (see Attachment 1 to DPS-90). The purpose of the FS estimate is to compare between the retained remedy scenarios. Cost is one of 9 criteria which is considered when comparing between remedies. The DEC does not consider cost the driving factor for remedy selection.

DEC may select a remedy developed in the FS, modify one of the FS remedies or select a remedy not presented in the FS in the remedy selection document or Record of Decision. Following remedy selection, pre-design investigations (PDIs) are usually performed. The pre-FS investigations are conducted without knowledge of the remedy to be implemented. The post-FS or PDIs focus on remedy construction. The investigations provide sufficient information to bid; however, due to the nature of the contamination and/or subsurface conditions, flexibility is needed in the contracts to adjust to unanticipated field variations. The DEC typically requires the removal of all visible tar in the field. The DEC or its representative are present onsite during remedial construction. DEC's ability to require removal of visually impacted material in the field was tested during an Article 78 challenge for the Harbor Point MGP OU-1 remedy and was upheld. Conducting soil borings at very close spacing to determine small scale features is not cost-feasible; therefore, unit cost items are included in bid sheets where estimated items may vary.

Site budgets are updated once the cost estimate is available from the FS. It may be updated following the PDI or after DEC comments on the proposed design. It should also be noted that the pre-construction estimate is not used to decide if the work should proceed, as the remediation is non-discretionary. The estimate is later updated when the bids are received and the low qualified bidder is selected. Additional updates are made when new conditions are identified (for example when excavation faces are exposed or when obstructions are encountered during excavation support installation or during excavation).

In addition to the environmental aspects of the SIR construction projects, the complex civil engineering aspects of the projects make estimating costs within +/- 10% difficult. Examples of complex civil engineering issues include complex terrain such as unstable hillsides, challenging locations such as aquatic environments, substantial soil moisture conditions (which increases stabilization and treatment costs), and sub-water table excavations. Subsurface construction projects are also inherently subject to more cost uncertainty than conventional above-surface construction projects especially at former industrial sites where subsurface obstructions (fill, concrete foundations, buried storage tanks) are typically present. Estimation of remediation costs is difficult given these circumstances. As described in the presentation "Estimation of MGP Site Investigation and Remediation Costs" in Case 11-M-0034 (and included in Attachment 1 to DPS-90), cost cap insurance for remediation projects was initially offered in the early 2000's. Today, cost cap insurance is no longer available.

If the remediation does not completely eliminate the need for future controls to eliminate potential exposure to site residuals, a site management plan with periodic certification is required by DEC. If future groundwater treatment and/or monitoring is required by the DEC in the remedy selection, NIMO prepares and implements the required plans. Costs for post remediation Operation, Monitoring and Maintenance (OM&M) Plans are estimated for 30 years. Adjustment to the estimate may be made following a trial period, as DEC requirements decrease, and/or contractors change.

1. Construction projects awarded and completed in the last 5 years and responses to Questions 1a, 1b, 1c, 1e, and 1f are provided in Attachment 2 to DPS-90. For Question 1a, the budgeted amount consists of the contractor bid price only and does not include applicable New York State (NYS) sales tax. For Question 1b, the actual amount spent includes project costs plus applicable NYS sales tax minus early payment discounts (if applicable). For Question 1d, the company continually evaluates measures to mitigate future project cost increases by conducting thorough site investigations and preparing detailed remedial designs which also take into account "lessons learned" from previous projects within NIMO, National Grid and other utilities. For remedial construction projects, the company typically retains a third party construction manager to oversee the contractual details of larger and more complex projects. The construction manager is tasked with providing strict management of the project contract including management of project change orders. For Question 1e, please note that the original expected completion dates presented are the dates from the awarded

contractor proposal. These dates are sometimes shifted as a result of delays prior to contractor mobilization (such as contract procurement delays or obtaining site access) which then delays the construction initiation and hence shifts the project completion. In addition, depending on the nature of the work to be conducted, projects may be halted during the winter months (or early spring snowmelt and rains) and resumed when weather is more favorable.

2. Prior to company fiscal year (FY) 2012, the company did not budget by calendar year (CY) but rather only by company fiscal year. This aligns with the DEC fiscal planning year approach. Beginning in FY12, the company prepared budgets both by FY as well as CY. Note that the FY12 budget includes 3 quarters in CY11 and one quarter in CY12. As mentioned in the Direct Testimony of Charles F. Willard, pp. 13-15, two budgets estimates are provided annually. The "schedule" (sch) budget reflects the cost to complete all of the work in the DEC schedule. The "estimated" (est) budget reflects the refined estimate for the upcoming year as discussed in the Direct Testimony of Charles F. Willard, pp. 13-15.

| Year | FY Sch Budget ($M) | CY Sch Budget ($M) | FY Est Budget ($M) | CY Est Budget ($M) | FY Spend ($M) | CY Spend ($M) |
|---|---|---|---|---|---|---|
| FY08 | $26.9 | NA | NA | NA | $14.7 | NA |
| FY09 | $32.9 | NA | NA | NA | $33.7 | NA |
| FY10 | $52.1 | NA | NA | NA | $38.4 | NA |
| FY11 | $50.8 | NA | NA | NA | $35.2 | NA |
| FY12/ CY11 | $43.7 | $34.0 | $34.9 | $34.0 | $13.0 | $19.5 |

3. Responses to Questions 3a, 3b, and 3ci (as applicable), 3d, and 3e are provided in Attachment 3 to DPS-90. For Question 3a, the budgeted amount consists of the contractor bid price only and does not include applicable New York State (NYS) sales tax. For Question 3ci, none of the sites are currently projecting spending over or under 10% of the original budgeted amount. For Question 3cii, the actions the company has taken or will take to mitigate future project cost increases are the same as described in response to Question 1d above.

4. NIMO considers value engineering throughout the SIR process described above. A description of specific value engineering technique outcomes is provided below. Although value engineering is routinely considered, NIMO does not record techniques that were not implemented.

<u>Glens Falls – Sewer Relocation</u>
NIMO completed a value engineering technique at the Glens Falls MGP that resulted in a savings ($900,000). The savings required a property swap with the City of Glens Falls and a payment to the city of Glens Falls to re-routing a sewer outside of the remediation area.

<u>Harbor Point – Lee Street Outfall</u>

The original excavation shoring design appeared to be inadequate so the remedial construction contractor (already onsite) conducted a constructability review of the design. The contractor provided an alternative design that was easier to build and eliminated the need to enter into and disturb the Mohawk River shoreline. DEC approved the alternative design.

Harbor Point – MVO Soil Removal Area

As originally conceived, the Mohawk Valley Oil (MVO) Soil Removal project was an upland excavate/dispose/backfill project. As the design for this project was nearing completion, the project manager evaluated the consolidation of the soil removal project with an upcoming phase of work, the Utica Harbor Dredge project. The dredged sediment was originally scheduled for offsite transportation and disposal which was a significant portion of the project costs. Instead NIMO proposed to DEC that, since the company had to excavate a significant volume of contaminated soil (i.e. above required clean-up levels) out of MVO, why not backfill the excavation with the dredge sediments from the Utica Harbor Dredge project that were only slightly impacted (i.e., well below clean-up levels). The DEC agreed and a modified design was prepared to combine the MVO Soil Removal project and Utica Harbor Dredge project into a single project.

Rome (Kingsley Ave) – Water Treatment

Based on past experience, the design team realized we were spending money to 1) design permanent water treatment systems and 2) constructing those systems only to have them require significant modification after operating them post completion. The significant modification post completion was due to the groundwater quality having changed significantly from pre-remediation to post-remediation conditions (i.e. the sources of contamination were removed). At the Rome site, NIMO required the Contractor to operate a "temporary" treatment system for a period of up to two years to allow the site groundwater hydrology to stabilize. At the end of the two year period, the intent was to re-evaluate groundwater quality and design a "permanent" treatment system based on stabilized field conditions. The approach was very successful because, after only one year of operation, the site hydrology stabilized such that SIR complied with the industrial discharge limits to the public sanitary system without any on-site pre-treatment. As a result, SIR was able to terminate the Contractor's requirement to operate the treatment system one year ahead of schedule and avoided the need to design, construct, and operate a permanent treatment system on a long term basis.

Saratoga Springs – Old Red Spring Area

After submittal of the draft Feasibility Study, the EPA and DEC gave an early indication that they favored the "total removal by excavation" option. SIR evaluated and recommended an alternative approach utilizing in-situ stabilization. In-situ stabilization was determined to be as effective in protecting human health and more protective of the environment.

SIR Upstate OM&M Program

Through consolidation of numerous individual sites in OM&M into one program administered by one contractor, the OM&M contractor has been able to produce significant cost savings. This includes a range of methods from reduction in field labor, utilization of online operations systems to operate treatment systems remotely, and uniformity in compliance reporting, as well as site-specific system improvements that reduce downtime and future maintenance and repair.

For NIMO to consider and ultimately implement value engineering techniques the techniques must be compliant with regulatory requirements and provide a cost savings to the project. There may be initial value engineering techniques considered but they do not get implemented if they do not meet the above requirements. NIMO does not keep track of value engineering techniques that are not implemented. NIMO does not consider value engineering techniques that would create an increase in project costs.

5. There is no specified number of value engineering methods that the company considers for each project. Rather due to the complex, unique nature of the SIR projects, value engineering is continually considered for each project throughout the FS to remedial design, remedial construction, and ultimately post-remediation OM&M where applicable and will provide a cost savings. In the past 5 years, the company has implemented the following value engineering ideas with the corresponding estimated cost savings:

   Harbor Point – Lee Street Outfall – $2M savings
   Harbor Point – MVO Soil Removal Area - $3M savings
   Rome (Kingsley Ave) - Water Treatment - $590,000 savings
   Saratoga Springs – Old Red Spring Area - $3M savings
   SIR Upstate OM&M Program - $780,000 annual savings

6. The most recent SIR construction project completed above 10% of the estimated amount (assuming the estimated amount refers to the original contract award amount) is the Fort Plain former MGP site remediation. Remedial construction at this site was completed in 2011 at a final cost of $1,471,247. The original contract award was $1,242,975. The company acquired 6 bids for the project and awarded the contract to the lowest bidder. A copy of the construction contract is provided in Attachment 4 to DPS-90, Attachment 5 to DPS-90 (technical specifications), and Attachment 6 to DPS-90 (design drawings). Construction difficulties were encountered due to its location adjacent to the unstable slope of a hill located immediately adjacent to the excavation area and a substantial subsurface till unit that made installation of excavation support extremely difficult.

7. For the past 5 years, the percentage of cost overruns due to weather are 0.5%, due to unexpected field conditions are 32%, DEC related are 7.5%, and "other" are 60%. Project cost increases in the other category include a variety of items which were difficult to classify into distinct additional categories.

   The largest change order assigned to the other category (43% of the category) was the additional excavation and disposal of soil to achieve the Harbor Point "MVO Soil Removal Area" value engineering described in 4 (above). When the MVO project initiated, DEC had not approved of the alternative approach allowing sediment disposal in the MVO. However, once DEC approved of the approach, it was prudent to utilize the existing contractor since they were already onsite and had established unit rates. As a result, although for the specific contract it appeared as a substantial project cost increase, because one construction project became two construction projects, the effort resulted in substantial future cost savings as explained in Question 4.

The second largest "other" category item (22%) was associated with the Harbor Point slurry wall construction project. NIMO terminated its contract with the original contractor citing safety, performance and project delays. NIMO then retained a second contractor to complete the unfinished tasks following the termination of the initial contractor. Following termination of the initial contractor, it was determined that a portion of the barrier wall did not meet project specifications. As such, the second contractor was subsequently tasked with repairing the slurry wall where necessary. These efforts resulted in a cost overrun to the original project contract.

Some other examples of costs in the other category include project bonding increases that result when the project contract cost increases, repair to adjacent facilities (sidewalks, paved areas) damaged as a result of construction, or modifications to a project resulting from work adjacent to overhead or underground utilities.

| Name of Respondent: | Date of Reply: |
|---|---|
| Charles Willard<br>Brian Stearns<br>Michael Bogan | May 31, 2012 |

Date of Request: May 22, 2012
Due Date: June 1, 2012

Request No. DPS-100(ACL-7)
NMPC Req. No. NM-100

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation d/b/a
National Grid - Electric and Gas Rates

Request for Information

FROM: Andrew Leung

TO: Revenue Requirements Panel

SUBJECT: Inflation

Request:

1. On Pages 163-164 of Exhibit__(RRP-1), Book 11, please identify the items that are affected by the 4.2785% general inflation rate adjustment for RYE 3/31/2014.
2. On Page 191 of Exhibit__(RRP-3), Book 11, please identify the items that are affected by the 4.2785% general inflation rate adjustment for RYE 3/31/2014.
3. On Pages 192-193 of Exhibit__(RRP-3), Book 11, please identify the items that are affected by the 2.1252% general inflation rate adjustment for Data Year 3/31/2015.
4. On Pages 192-193 of Exhibit__(RRP-3), Book 11, please identify the items that are affected by the 2.2000% general inflation rate adjustment for Data Year 3/31/2016.

**Notes:** Please provide the information in an Excel spreadsheet, not a pdf file.

Response:

1. On Pages 163-164 of Book 11, the general inflation rate is not applied to the general line items. However, on the individual schedules that support these line items, there are various items that are affected by general inflation (as is shown in the response to Part 2 below supporting the Operation & Maintenance Expense line).
2. Please see Attachment 1 to DPS-100 (ACL-7) for the items on Page 191 of Book 11 that are affected by the general inflation rate for RYE 3/31/2014.

3. Please see Attachment 1 to DPS-100 (ACL-7) for the items on Page 192-193 of Book 11 that are affected by the general inflation rate for Data Year 3/31/2015.

4. Please see Attachment 1 to DPS-100 (ACL-7) for the items on Page 192-193 of Book 11 that are affected by the general inflation rate for Data Year 3/31/2016.

| Name of Respondent: | Date of Reply: |
|---|---|
| Stephanie Briggs | May 30, 2012 |

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID (COMPANY 36)
Operating Expenses by Component
Summary

| | Expense Type | Schedule Reference | | RYE 3/31/14 | Data Year 3/31/15 | Data Year 3/31/16 |
|---|---|---|---|---|---|---|
| Operation & Maintenance Expenses: | | | | | | |
| Departmental Items: | | | | | | |
| Consultants | 100 | 1 | | General Inflation | General Inflation | General Inflation |
| Contractors | 110 | 2 | | General Inflation | General Inflation | General Inflation |
| Donations | 150 | 3 | | N/A - removed from Rate Year | N/A | N/A |
| Employee Expenses | 200 | 4 | | General Inflation | General Inflation | General Inflation |
| Hardware | 300 | 5 | | General Inflation | General Inflation | General Inflation |
| Software | 350 | 6 | | General Inflation | General Inflation | General Inflation |
| Other | 400 | 7 | | General Inflation | General Inflation | General Inflation |
| Rents | 500 | 8 | (1) | General Inflation and Specific Forecast | General Inflation and Specific Forecast | General Inflation and Specific Forecast |
| AFUDC - Debt | A10 | 9 | | N/A - removed from Rate Year | N/A | N/A |
| Service Co. Equity | A20 | 10 | | General Inflation | General Inflation | General Inflation |
| Conservation Load Management | A30 | 11 | | General Inflation | General Inflation | General Inflation |
| Construction Reimbursement | A40 | 12 | | General Inflation | General Inflation | General Inflation |
| Co Contributions/Cr to Jobs | A41 | 13 | | General Inflation | General Inflation | General Inflation |
| Bill Interface Expense Type | A42 | 14 | | General Inflation | General Inflation | General Inflation |
| Capital Overheads | A50 | 15 | | General Inflation | General Inflation | General Inflation |
| Supervision & Admin | A60 | 16 | | General Inflation | General Inflation | General Inflation |
| Service Co Operating Costs | A65 | 17 | | General Inflation | General Inflation | General Inflation |
| Sales Tax | A70 | 18 | | General Inflation | General Inflation | General Inflation |
| FAS 106 | B01 | 19 | | Specific Forecast | Specific Forecast | Specific Forecast |
| FAS 112 | B02 | 20 | | General Inflation | General Inflation | General Inflation |
| Health Care | B03 | 21 | | General Inflation | General Inflation | General Inflation |
| Group Life Insurance | B04 | 22 | | General Inflation | General Inflation | General Inflation |
| Other Benefits | B05 | 23 | | General Inflation | General Inflation | General Inflation |
| Pension | B06 | 24 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Thrift Plan | B07 | 25 | | General Inflation | General Inflation | General Inflation |
| Workers Comp | B08 | 26 | | General Inflation | General Inflation | General Inflation |
| Payroll Taxes | B09 | 27 | | N/A - reclassed from Rate Year | N/A | N/A |
| Materials Outside Vendor | M10 | 28 | (2) | General Inflation and Postage Inflation | General Inflation | General Inflation |
| Materials From Inventory | M20 | 29 | | General Inflation | General Inflation | General Inflation |
| Materials Stores Handling | M50 | 30 | | General Inflation | General Inflation | General Inflation |
| Total Labor | All P's | 31 | | Payroll Inflation | Payroll Inflation | Payroll Inflation |
| Transportation | T10 | 32 | (3) | General Inflation and Specific Forecast | General Inflation and Specific Forecast | General Inflation and Specific Forecast |
| Energy Efficiency Program | | 33 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Injuries & Damages | | 34 | | General Inflation | General Inflation | General Inflation |
| Other Initiatives | | 35 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Productivity Adjustment | | 36 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Rate Case Expense | | 37 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Regulatory Assessment Fees | | 38 | (4) | General Inflation and Specific Forecast | General Inflation and Specific Forecast | General Inflation and Specific Forecast |
| Renewable Portfolio Standard | | 39 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Site Investigation & Remediation Expenses | | 40 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Storm Fund | | 41 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Synergy Savings | | 42 | | General Inflation | General Inflation | General Inflation |
| System Benefits Charge | | 43 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Uncollectible Accounts | | 44 | | Specific Forecast | Specific Forecast | Specific Forecast |
| Legal (Exp 100, 110 or 400) | | 45 | | General Inflation | General Inflation | General Inflation |
| Accounting (Exp 100, 110,or 400) | | 46 | | General Inflation | General Inflation | General Inflation |
| Vegetation (Exp 100, 110, or 400) | | 47 | (5) | General Inflation and Specific Forecast | General Inflation and Specific Forecast | General Inflation and Specific Forecast |
| US Restructuring (Savings) | | 48 | (6) | General Inflation and Specific Forecast | General Inflation and Specific Forecast | General Inflation and Specific Forecast |
| E&Y Analysis | | 49 | | General Inflation | General Inflation | General Inflation |
| Ex Pat Proxy | | 50 | | General Inflation | General Inflation | General Inflation |
| Allocation Reclass | | 51 | | General Inflation | General Inflation | General Inflation |
| Sub Total - Departmental | | | | | | |
| Non-Departmental Items: | | | | | | |
| Purchased Power | | | | Specific Forecast | Specific Forecast | Specific Forecast |
| Purchased Gas | | | | Specific Forecast | Specific Forecast | Specific Forecast |
| Sub Total - Non-Departmental | | | | | | |
| TOTAL | | | | | | |

Note 1 - Certain facility and IS items in the rate and data year foreacasts are based on specific forecasts.
For the remaining items, the general inflation rate was applied.

Note 2 - Postage expense in the rate year was foreacasted using postage inflation rate.
All other materials used general inflation

Note 3 - Lease and fuel costs in the rate and data years were foreacasted using specific forecasts.
For the remaining items, the general inflation rate was applied.

Note 4 - Temporary Assessments (18A)for the rate and data years were foreacasted using specific forecasts.
For the General and ERDA expenses, the general inflation rate was applied.

Note 5 - General inflation rate was applied to the historic test year costs.
Rate Year and Data Year 2015 also included specific forecast for additional work.

Note 6 - The Rate Year was adjusted for specific forecast and general inflation was then applied to the rate and data years

Date of Request: May 21, 2012
Due Date: May 31, 2012

Request No. DPS-103 (DAG-11)
NMPC Req. No. 103

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation
d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Denise Gerbsch

TO: Mustally A. Hussain

SUBJECT: National Grid plc equity ratio at March 31, 2011

Request:

On page 15 of your testimony you state that National Grid plc's US GAAP based equity ratio at March 31, 2011 is 44.6%. Later in your testimony on page 16 you state that due to the use of the Regulatory Asset Value in UK rate regulation and the dividend rights issue in 2010 the equity ratio should be adjusted to 51.1%.

1.) Provide the calculation of the National Grid plc US GAAP based equity ratio at March 31, 2011 of 44.6%. Show all steps in the calculation and provide the financial statements and any other documents that were the sources relied to perform the calculation.
2.) Provide the calculation of the 51.1% equity ratio. Show the development of each adjustment and provide the source documents relied upon in calculating each adjustment.

Response:

1. National Grid plc's US GAAP based equity ratio is 44.1% after incorporating final GAAP tax adjustments, which revised the equity figure from $14,329m to $14,019m. The Company will correct this in the Corrections and Updates filing. Attachment 1 to DPS-103(DAG-11) provides the calculation. Attachment 2 to DPS-103(DAG-11) provides the source documents relied upon to perform the calculation.

2. National Grid plc's US GAAP based equity ratio adjusted for RAV is 50.7% after incorporating final US GAAP tax adjustments. The Company will correct Mr. Hussain's testimony concerning this matter. Attachment 1 to DPS-103(DAG-11) provides the calculation. Attachment 2 to DPS-103(DAG-11) provides the source documents relied upon to perform the calculation.

Name of Respondent:
Mustally Hussain

Date of Reply:
May 30, 2012

Form 103

| | | FY 2011<br>£m | Source of information |
|---|---|---|---|
| | **NG plc consolidated Equity - US GAAP** | **14,019** | A NY PSC filing (12 October 2011) item (vi) National Grid plc Consolidated Financial Information (EXHIBIT 1 - page 2 of 24) |
| Less | NG Gas consolidated reported equity - US GAAP | (9,883) | B Management working papers - US GAAP reconciliation NG Gas |
| Add back | NGG intercompany balance | 5,511 | C National Grid Gas plc Annual Report and Accounts 2010/11 (p 74) |
| Add back | NGG net debt excluding derivatives | (7,644) | D 1-3 National Grid Gas plc Annual Report and Accounts 2010/11 (p 55, 50, 52) |
| Add back | NGG Derivatives | 507 | D 1 National Grid Gas plc Annual Report and Accounts 2010/11 (p 55) |
| Less | NG Gas equity pre intercompany and net debt | (11,409) | Z1=Sum (B D) |
| Less | NGET consolidated reported equity - UK GAAP/IFRS | (1,024) | E National Grid Electricity Transmission plc Annual Report and Accounts 2010/11 (p 33) |
| Less | NGET US GAAP adjustments | 49 | F Management working papers - US GAAP reconciliation NGET |
| Add back | NGET intercompany | (72) | G 1-2 National Grid Electricity Transmission plc Annual Report and Accounts 2010/11 (p 45, 46) |
| Add back | NGET net det excluding derivatives | (4,662) | H National Grid Electricity Transmission plc Annual Report and Accounts 2010/11 (p 33) |
| Add back | NGET derivatives | 92 | H National Grid Electricity Transmission plc Annual Report and Accounts 2010/11 (p 33) |
| Less | NGET equity pre intercompany and net debt | (5,617) | Z2=Sum (E H) |
| Add | NGG Transmission and Distribution RV (T only post 2005) | 4,889 | I National Grid plc Annual Report and Accounts 2010/11 (p 31) |
| Add | NGG Distribution RV (post 2005) | 7,520 | I National Grid plc Annual Report and Accounts 2010/11 (p 31) |
| Add | NGG Metering and other assets | 496 | J 1-2 Management accounts per Hyperion - NG Metering + xoserve |
| Add | NGET RV | 8,388 | I National Grid plc Annual Report and Accounts 2010/11 (p 31) |
| | **NG plc adjusted Equity** | **18,288** | Z3=sum(A,Z1,Z2,I,J) |
| | **NG plc reported Net Debt** | **18,942** | K NY PSC filing (12 October 2011) item (vi) National Grid plc Consolidated Financial Information (EXHIBIT 1 - page 2 of 24) |
| | **NG plc derivatives related to debt** | **(1,144)** | L National Grid plc Annual Report and Accounts 2010/11 (p 151) |
| | **Total Net Debt** | **17,798** | Z4=sum(K,L) |
| | **US GAAP Equity Ratio** | **44.1%** | Z5=A/(A+Z4) |
| | **US GAAP Equity Ratio Adjusted for RAV** | **50.7%** | Z6=Z3/(Z3+Z4) |

**Consolidating schedules as at March 31, 2011**

| | National Grid plc *IFRS company* | National Grid USA *IFRS consolidated (section 2)* | National Grid Gas plc *IFRS consolidated (section 3)* | National Grid Elect. Trans. plc *IFRS consolidated (section 3)* | Other major subsidiaries *IFRS aggregated (section 4)* | Total of non-major subsidiaries *IFRS aggregated* | Consol-idation adjustments *IFRS* | National Grid plc *IFRS consolidated* | National Grid plc *US GAAP adjustments* | National Grid plc *US GAAP consolidated* |
|---|---|---|---|---|---|---|---|---|---|---|
| | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* | *$'m* |
| **Condensed balance sheet** | | | | | | | | | | |
| Goodwill | - | 7,671 | - | - | - | - | 5 | 7,675 | 3,410 | 11,085 |
| Other intangible assets | - | 383 | 309 | 80 | 35 | - | - | 805 | (313) | 492 |
| Property, plant & equipment | - | 18,882 | 18,130 | 12,239 | 2,179 | (3) | (74) | 51,353 | 2,104 | 53,457 |
| Investments in subsidiaries | 12,678 | (0) | - | - | 183,260 | 23,889 | (219,858) | - | - | - |
| Investments | - | 560 | - | - | 2 | 392 | - | 953 | 5 | 958 |
| Non-current regulatory assets | - | 0 | - | - | - | - | - | - | 6,177 | 6,177 |
| Other non-current assets | 926 | 461 | 866 | 254 | 646 | (2) | - | 3,151 | - | 3,151 |
| Intercompany receivables | 16,546 | 3 | 9,065 | 53 | 52,671 | 25,788 | (104,126) | - | - | - |
| Inventories | - | 357 | 64 | 45 | 48 | - | - | 514 | 2 | 516 |
| Receivables and other current assets | 403 | 2,795 | 489 | 326 | 378 | 18 | (101) | 4,307 | (34) | 4,273 |
| Regulatory assets | - | 0 | - | - | - | - | - | - | 280 | 280 |
| Financial and other investments | 2,288 | 1,545 | 357 | - | 490 | 43 | - | 4,723 | (4,016) | 707 |
| Cash and cash equivalents | 321 | 77 | 133 | - | 39 | 47 | - | 617 | 4,062 | 4,680 |
| Assets of businesses held for sale | - | 466 | - | - | - | - | - | 466 | - | 466 |
| Total assets | 33,164 | 33,199 | 29,413 | 12,997 | 239,768 | 50,182 | (324,154) | 74,565 | 11,676 | 86,241 |
| Borrowings (including bank overdrafts) | (1,808) | (860) | (667) | (93) | (1,313) | - | (3) | (4,744) | 452 | (4,292) |
| Current liabilities | (366) | (2,325) | (1,242) | (1,077) | (437) | (35) | 66 | (5,417) | (355) | (5,772) |
| Current tax liabilities | - | (824) | (37) | - | 66 | (13) | - | (808) | 440 | (368) |
| Intercompany payables | (12,787) | (1,147) | (718) | (492) | (82,423) | (7,823) | 105,389 | - | - | - |
| Non-current borrowings | (5,830) | (7,886) | (11,439) | (7,076) | (452) | 2 | 145 | (32,535) | 1,008 | (31,528) |
| Other non-current liabilities | (407) | (2,661) | (2,108) | (641) | (297) | (6) | - | (6,121) | (1,961) | (8,082) |
| Deferred tax liabilities | - | (1,476) | (3,010) | (1,223) | (349) | 3 | - | (6,052) | (3,227) | (9,279) |
| Pensions and other post-retirement benefits | - | (3,347) | - | (750) | (40) | - | - | (4,136) | (22) | (4,159) |
| Liabilities of businesses held for sale | - | (177) | - | - | - | - | - | (177) | - | (177) |
| Total liabilities | (21,198) | (20,703) | (19,221) | (11,352) | (85,245) | (7,873) | 105,596 | (59,991) | (3,666) | (63,656) |
| Shareholders' equity | (11,966) | (12,485) | (10,188) | (1,646) | (154,523) | (42,311) | 218,560 | (14,559) | (7,974) | (22,533) |
| Minority interests | - | (11) | (3) | - | - | 2 | (2) | (14) | (37) | (51) |
| Total liabilities and equity | (33,164) | (33,199) | (29,413) | (12,997) | (239,768) | (50,182) | 324,154 | (74,565) | (11,676) | (86,241) |

AT GBP:USD RATE of 1.607
= £14,019 million

A

**US GAAP Balance Sheet Reconciliation**
**Year ended 31 March 2011**
**NG Gas**

25-May-12 Date

Dr = positive / Cr = negative — Balance sheet sign convention

5/25/12 11:38 AM

| Balance Sheet | IFRS | Acquisition FV adjustment PP&E amortisation | Recognition of regulatory assets | Goodwill | Pensions and other post-retirement benefits | Financial instruments | Recognition of income | Sale and leaseback | Severance and restructuring provisions | Discount on provisions | Non-reversal of impairment | Capital (finance) lease recognition | FIN48 | Other - provide explanation | Deferred taxation | Subtotal | Reclassifications | US GAAP | Total US GAAP adjustments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analysis of US GAAP adjustments by category | | | | | | | | | | | | | | | | | | |
| | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m |
| **Current assets** | | | | | | | | | | | | | | | | | | | |
| Inventories | 40.0 | | - | | | | | | | | | | | | | 40.0 | | 40.0 | - |
| Trade and other receivables | 231.0 | | - | | - | | - | | | | | | | | | 231.0 | | 231.0 | - |
| Regulatory assets < 1 year | - | | - | | | | | | | | | | | | | - | | - | - |
| Financial investments | 242.0 | | - | | | - | | | | | | | | | | 242.0 | | 242.0 | - |
| Derivative assets | 80.0 | | - | | | - | | | | | | | | | | 80.0 | | 80.0 | - |
| Cash and cash equivalents | 83.0 | | - | | | | | | | | | | | | | 83.0 | | 83.0 | - |
| Total current assets | 676.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 676.0 | - | 676.0 | - |
| *Assets held for sale* | | | | | | | | | | | | | | | | - | | - | - |
| **Non-current Assets** | | | | | | | | | | | | | | | | | | | |
| Goodwill - cost | - | | | [redacted] | | | | | | | | | | | | 2,451.0 | | 2,451.0 | 2,451.0 |
| Goodwill - amortisation | - | | | - | | | | | | | | | | | | - | | - | - |
| Other intangibles - cost | 192.0 | | | | | | | - | | | | | | | | 192.0 | [redacted] | 179.0 | (13.0) |
| Other intangibles - amortisation | - | | | | | | | - | | | | | | | | - | | - | - |
| PP&E - gross | 11,282.0 | [redacted] | - | | | | (10.0) | | | | | | | | | 12,845.0 | (1,038.0) | 11,807.0 | 525.0 |
| PP&E - depreciation | - | - | - | | | | | | | | | | | | | - | | - | - |
| Regulatory assets | - | | - | | | | | | | | | | | | | - | | - | - |
| Investments in JVs | - | | - | | | | | | | | | | | | | - | | - | - |
| Deferred tax assets | - | | - | | | | | | | | | | | | - | - | | - | - |
| Investments | - | | | | | - | | | | | | | | | | - | | - | - |
| Derivative assets | 535.0 | | - | | | - | | | | | | | | | | 535.0 | | 535.0 | - |
| Other Debtors | 5,611.0 | | - | | | | | | | | | | | | | 5,611.0 | | 5,611.0 | - |
| **Total assets** | 18,296.0 | 1,573.0 | - | 2,451.0 | - | - | (10.0) | - | - | - | - | - | - | - | - | 22,310.0 | (1,051.0) | 21,259.0 | 2,963.0 |
| **Current Liabilities** | | | | | | | | | | | | | | | | | | | |
| Bank overdrafts | - | | | | | | | | | | | | | | | - | | - | - |
| Borrowings | (784.0) | | - | | | - | | | | | | | | | | (784.0) | | (784.0) | - |
| Derivative liabilities | (22.0) | | - | | | | | | | | | | | | | (22.0) | | (22.0) | - |
| Swap liability contracts | - | | - | | | | | | | | | | | | | - | | - | - |
| Trade and other creditors | (747.0) | | - | | | | [redacted] | | | | | | | | | (751.0) | [redacted] | (720.0) | 27.0 |
| Current tax liabilities | (23.0) | | - | | | | | | | | | | | | | (23.0) | | (23.0) | - |
| Provisions | (79.0) | | - | | | | | | 24.0 | | | | | | | (55.0) | [redacted] | (49.0) | 30.0 |
| Total current liabilities | (1,655.0) | - | - | - | - | - | (4.0) | - | 24.0 | - | - | - | - | - | - | (1,635.0) | 37.0 | (1,598.0) | 57.0 |
| *Liabilities - held for sale* | - | | | | | | | | | | | | | | | - | | - | - |
| **Non-current liabilities** | | | | | | | | | | | | | | | | | | | |
| Borrowings | (7,118.0) | | - | | | - | | | | | | | | | | (7,118.0) | | (7,118.0) | |
| Derivative liabilities | (86.0) | | - | | | | | | | | | | | | | (86.0) | | (86.0) | - |
| Swap liability contracts | - | | - | | | | | | | | | | | | | - | | - | - |
| Other non-current liabilities | (1,101.0) | | - | | | | - | | | | | | | | | (1,101.0) | 1,014.0 | (87.0) | 1,014.0 |
| Deferred tax liabilities | (1,873.0) | - | - | | - | - | - | - | - | - | - | - | - | - | [redacted] | (2,351.6) | | (2,351.6) | (478.6) |
| Pensions and other post-retirement benefits | - | | - | | - | | | | | | | | | | | - | | - | |
| Provisions | (121.0) | | - | | | | | | [redacted] | (14.0) | - | | | | | (135.0) | | (135.0) | (14.0) |
| **Total liabilities** | (11,954.0) | - | - | - | - | - | (4.0) | - | 24.0 | (14.0) | - | - | - | - | (478.6) | (12,426.6) | 1,051.0 | (11,375.6) | 578.4 |
| **Net Assets** | 6,342.0 | 1,573.0 | - | 2,451.0 | - | - | (14.0) | - | 24.0 | (14.0) | - | - | - | - | (478.6) | 9,883.4 | - | 9,883.4 | 3,541.4 |
| MEMO : Deferred tax on US GAAP adjustments | | | | | | | | | | | | | | | | | | | |
| **Shareholders' equity roll forward** | | | | | | | | | | | | | | | | | | | |
| IFRS to US GAAP adjustments at start of period | (6,029.0) | (1,612.0) | - | (2,451.0) | - | - | 2.0 | - | (12.0) | - | - | - | - | - | 489.5 | (9,612.5) | | (9,612.5) | (3,583.5) |
| Net income for the period | (694.0) | 39.0 | - | - | - | - | 12.0 | - | (12.0) | 14.0 | - | - | - | - | (10.9) | (651.9) | | (651.9) | 42.1 |
| *Other comprehensive income:* | - | | | | | | | | | | | | | | | | | | |
| - Cumulative translation adjustments | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - |
| - Cash flow hedge gains/losses | (10.0) | | | | | - | | | | | | | | | | (10.0) | | (10.0) | - |
| - Available for sale mark-to-market | - | | | | - | - | | | | | | | | | | - | | - | - |
| - Pensions - actuarial gains/losses | - | | | | | | | | | | | | | | | - | | - | - |
| - Pensions - FAS 158 | - | | | | - | | | | | | | | | | | - | | - | - |
| - Other [provide explanation] | - | | | | | | | | | | | | | | | - | | - | - |
| - Reclassifications [provide explanation] | - | | | | | | | | | | | | | | | - | | - | - |
| - Taxation | 2.0 | | | | - | | | | | | | | | | - | 2.0 | | 2.0 | - |
| Total OCI movements | (8.0) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (8.0) | | (8.0) | - |
| Equity dividends | 400.0 | | | | | | | | | | | | | | | 400.0 | | 400.0 | - |
| Acquisitions | - | | | | | | | | | | | | | | | - | | - | - |
| Disposals | - | | | | | | | | | | | | | | | - | | - | - |
| Issue of shares | - | | | | | | | | | | | | | | | - | | - | - |
| Movement in ESCPs | - | | | | | | | | | | | | | | | - | | - | - |
| Adoption of FIN 48 | - | | | | | | | | | | | | | | | - | | - | - |
| Share based payment transactions | (9.0) | | | | | | | | | | | | | | | (9.0) | | (9.0) | - |
| Tax on share based payments | - | | | | | | | | | | | | | | | - | | | |
| Shareholders' equity / IFRS to US GAAP adjustments at end of period | (6,340.0) | (1,573.0) | - | (2,451.0) | - | - | 14.0 | - | (24.0) | 14.0 | - | - | - | - | 478.6 | (9,881.4) | - | (9,881.4) | (3,541.4) |
| Minority interests - at start of period | (2.0) | | | | | | | | | | | | | | | (2.0) | | (2.0) | |
| Minority interests - movements | - | | | | | | | | | | | | | | | - | | - | - |
| Minority interests - at end of period | (2.0) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (2.0) | - | (2.0) | - |
| Total equity - at start of period | (6,031.0) | (1,612.0) | - | (2,451.0) | - | - | 2.0 | - | (12.0) | - | - | - | - | - | 489.5 | (9,614.5) | - | (9,614.5) | (3,583.5) |
| Total equity - movements | (311.0) | 39.0 | - | - | - | - | 12.0 | - | (12.0) | 14.0 | - | - | - | - | (10.9) | (268.9) | - | (268.9) | 42.1 |
| **Total equity - at end of period** | (6,342.0) | (1,573.0) | - | (2,451.0) | - | - | 14.0 | - | (24.0) | 14.0 | - | - | - | - | 478.6 | (9,883.4) | - | (9,883.4) | (3,541.4) |
| Check balance | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Manual inputs cells

## 6. Investments

| | Shares in subsidiary undertakings £m |
|---|---|
| Cost and net book value at 31 March 2010 and 31 March 2011 | 17 |

The names of the principal subsidiary undertakings are included in note 31 to the consolidated financial statements.

The directors believe that the carrying value of the investments is supported by their underlying net assets.

## 7. Stock

| | 2011 £m | 2010 £m |
|---|---|---|
| Raw materials and consumables | 40 | 43 |

## 8. Debtors

| | 2011 £m | 2010 £m |
|---|---|---|
| Amounts falling due within one year: | | |
| Trade debtors | 35 | 58 |
| Amounts owed by fellow subsidiary undertakings | 16 | 24 |
| Corporation tax | - | 10 |
| Other debtors | 8 | 5 |
| Prepayments and accrued income | 173 | 200 |
| | 232 | 297 |
| Amounts falling due after more than one year: | | |
| Other debtors | 10 | 8 |
| Amounts owed by immediate parent undertaking | 5,611 | 5,611 |
| | 5,621 | 5,619 |
| Total debtors | 5,853 | 5,916 |

## 9. Derivative financial instruments

The fair value of derivative financial instruments shown on the balance sheet is as follows:

| | 2011 | | | 2010 | | |
|---|---|---|---|---|---|---|
| | Assets £m | Liabilities £m | Total £m | Assets £m | Liabilities £m | Total £m |
| Amounts falling due in one year | 80 | (22) | 58 | 72 | (30) | 42 |
| Amounts falling due after more than one year | 535 | (86) | 449 | 565 | (121) | 444 |
| | 615 | (108) | 507 | 637 | (151) | 486 |

For each class of derivative the notional contract amounts* are as follows:

| | 2011 £m | 2010 £m |
|---|---|---|
| Interest rate swaps | (5,199) | (3,154) |
| Cross-currency interest rate swaps | (1,578) | (1,748) |
| Foreign exchange forward contracts | (4) | (39) |
| Forward rate agreements | (1,832) | (1,730) |
| | (8,613) | (6,671) |

*The notional contract amounts of derivatives indicate the gross nominal value of transactions outstanding at the balance sheet date

D.1



## 22. Share capital

| | Number of shares 2011 millions | Number of shares 2010 millions | 2011 £m | 2010 £m |
|---|---|---|---|---|
| At 31 March 2010 and 2011 - ordinary shares of $1^{2}/_{15}$p each<br>Allotted, called up and fully paid | 3,944 | 3,944 | 45 | 45 |

## 23. Consolidated cash flow statement

**a) Reconciliation of net cash flow to movement in net debt**

| | 2011 £m | 2010 £m |
|---|---|---|
| Movement in cash and cash equivalents | 63 | (4) |
| Decrease in financial investments | (84) | (683) |
| (Increase)/decrease in borrowings and derivatives | (58) | 725 |
| Net interest paid on the components of net debt | 262 | 268 |
| Change in net debt resulting from cash flows | 183 | 306 |
| Changes in fair value of financial assets and liabilities | 10 | (33) |
| Net interest charge on the components of net debt | (404) | (252) |
| Movement in net debt (net of related derivative financial instruments) in the year | (211) | 21 |
| Net debt (net of related derivative financial instruments) at the start of the year | (6,859) | (6,880) |
| Net debt (net of related derivative financial instruments) at the and of the year | (7,070) | (6,859) |

**b) Analysis of changes in net debt**

| | Cash and cash equivalents £m | Bank overdrafts £m | Net cash £m | Financial investments £m | Borrowings £m | Derivatives £m | Total debt £m |
|---|---|---|---|---|---|---|---|
| At 1 April 2009 | - | (10) | (10) | 1,009 | (8,662) | 783 | (6,880) |
| Cash flow | 1 | (5) | (4) | (686) | 1,100 | (104) | 306 |
| Fair value gains and losses | - | - | - | - | 202 | (235) | (33) |
| Interest charges | - | - | - | 3 | (297) | 42 | (252) |
| At 31 March 2010 | 1 | (15) | (14) | 326 | (7,657) | 486 | (6,859) |
| Cash flow | 82 | (19) | 63 | (86) | 275 | (69) | 183 |
| Fair value gains and losses | - | - | - | - | (9) | 19 | 10 |
| Interest charges | - | - | - | 2 | (477) | 71 | (404) |
| **At 31 March 2011** | **83** | **(34)** | **49** | **242** | **(7,868)** | **507** | **(7,070)** |
| Balances at 31 March 2011 comprise: | | | | | | | |
| Non-current assets | - | - | - | - | - | 535 | 535 |
| Current assets | 83 | - | 83 | 242 | - | 80 | 405 |
| Current liabilities | - | (34) | (34) | - | (750) | (22) | (806) |
| Non-current liabilities | - | - | - | - | (7,118) | (86) | (7,204) |
| | 83 | (34) | 49 | 242 | (7,868) | 507 | (7,070) |

LESS DERIVATIVES (507)

TOTAL DEBT EXCLUDING DERIVATIVES (7,577)

AMOUNTS OWED BY FELLOW SUBSIDIARIES 11 D.2

AMOUNTS OWED TO FELLOW SUBS. (78) D.3

NGG NET DEBT EXCLUDING DERIVATIVES 7,644

D. 2



## 13. Inventories and other intangible assets

| | 2011 £m | 2010 £m |
|---|---|---|
| Raw materials and consumables | 25 | 28 |
| Other intangible assets - emission allowances | 15 | 15 |
| | 40 | 43 |

## 14. Trade and other receivables

| | 2011 £m | 2010 £m |
|---|---|---|
| Trade receivables | 37 | 59 |
| Amounts owed by fellow subsidiaries | 11 | 22 |
| Prepayments and accrued income | 175 | 202 |
| Other receivables | 8 | 5 |
| | 231 | 288 |

Trade receivables are non-interest bearing and generally have a 30-90 day term. Due to their short maturities, the fair value of trade and other receivables approximates to their book value. All other receivables are recorded at amortised cost.

**Provision for impairment of receivables**

| | £m |
|---|---|
| At 1 April 2009 | 3 |
| Additions net of recoveries | 15 |
| At 31 March 2010 | 18 |
| Recoveries net of additions | (17) |
| **At 31 March 2011** | 1 |

As at 31 March 2011, trade receivables of £23m (2010: £2m) were past due but not impaired. The ageing analysis of these trade receivables is as follows:

| | 2011 £m | 2010 £m |
|---|---|---|
| Up to 3 months past due | 19 | - |
| 3 to 6 months past due | 3 | 1 |
| Over 6 months past due | 1 | 1 |
| | 23 | 2 |

For further information about wholesale credit risk refer to note 28(c).

## 17. Borrowings

| | 2011 £m | 2010 £m |
|---|---|---|
| **Current** | | |
| Bank loans | **276** | 243 |
| Bonds | **101** | 115 |
| Other loans | **2** | 2 |
| Borrowings from fellow subsidiaries | **369** | 74 |
| Bank overdrafts (note 16) | **34** | 15 |
| | **784** | 449 |
| **Non-current** | | |
| Bank loans | **994** | 659 |
| Bonds | **5,964** | 6,165 |
| Other loans | **160** | 149 |
| Borrowings from fellow subsidiaries | **-** | 250 |
| | **7,118** | 7,223 |
| **Total borrowings** | **7,902** | 7,672 |

| Total borrowings are repayable as follows: | 2011 £m | 2010 £m |
|---|---|---|
| Less than 1 year | **784** | 449 |
| In 1 - 2 years | **224** | 251 |
| In 2 - 3 years | **501** | 222 |
| In 3 - 4 years | **133** | 730 |
| In 4 - 5 years | **-** | 134 |
| In more than 5 years by instalments | **51** | - |
| In more than 5 years other than by instalments | **6,209** | 5,886 |
| | **7,902** | 7,672 |

The fair value of borrowings at 31 March 2011 was £8,081m (2010: £7,765m). Market values, where available, have been used to determine fair values. Where market values are not available, fair values have been calculated by discounting cash flows at prevailing interest rates.

The notional amount outstanding of the debt portfolio as at 31 March 2011 was £8,048m (2010: £7,819m).

Collateral is placed with or received from any counterparty where we have entered into a credit support annex to the ISDA Master Agreement once the current mark-to-market valuation of the trades between the parties exceeds an agreed threshold. Included in current bank loans is £275m (2010: £240m) in respect of cash received under collateral agreements. No cash has been placed under collateral agreements.

As at 31 March 2011, the Company had committed credit facilities of £425m (2010: £700m) of which £425m was undrawn (2010: £700m undrawn). These undrawn facilities expire within three to four years.

All of the unused facilities at 31 March 2011 and at 31 March 2010 were held as back-up to commercial paper and similar borrowings.

None of the Company's borrowings are secured by charges over assets of the Company.

## 18. Trade and other payables

| | 2011 £m | 2010 £m |
|---|---|---|
| Trade payables | **411** | 439 |
| Amounts owed to fellow subsidiaries | **78** | 125 |
| Deferred income | **147** | 136 |
| Social security and other taxes | **67** | 72 |
| Other payables | **44** | 34 |
| | **747** | 806 |

Due to their short maturities, the fair value of trade and other payables (excluding deferred income) approximates to their book value. All trade and other payables are recorded at amortised cost.

E



# Consolidated balance sheet

at 31 March

| | Notes | 2011 £m | 2010 £m |
|---|---|---|---|
| **Non-current assets** | | | |
| Intangible assets | 8 | 50 | 43 |
| Property, plant and equipment | 9 | 7,616 | 6,769 |
| Derivative financial assets | 10 | 158 | 134 |
| Total non-current assets | | 7,824 | 6,946 |
| **Current assets** | | | |
| Inventories | 11 | 28 | 33 |
| Trade and other receivables | 12 | 204 | 161 |
| Financial investments | 13 | 4 | 67 |
| Derivative financial assets | 10 | 20 | 17 |
| Cash and cash equivalents | 14 | - | 326 |
| Total current assets | | 256 | 604 |
| **Total assets** | | 8,080 | 7,550 |
| **Current liabilities** | | | |
| Borrowings | 15 | (263) | (334) |
| Derivative financial liabilities | 10 | (10) | (11) |
| Trade and other payables | 16 | (729) | (604) |
| Provisions | 20 | (13) | (10) |
| Total current liabilities | | (1,015) | (959) |
| **Non-current liabilities** | | | |
| Borrowings | 15 | (4,403) | (4,332) |
| Derivative financial liabilities | 10 | (76) | (89) |
| Other non-current liabilities | 17 | (251) | (246) |
| Deferred tax liabilities | 18 | (761) | (756) |
| Pension obligations | 19 | (467) | (493) |
| Provisions | 20 | (83) | (10) |
| Total non-current liabilities | | (6,041) | (5,926) |
| **Total liabilities** | | (7,056) | (6,885) |
| **Net assets** | | 1,024 | 665 |
| **Equity** | | | |
| Called up share capital | 21 | 44 | 44 |
| Retained earnings | | 1,006 | 656 |
| Cash flow hedge reserve | | (26) | (35) |
| **Total shareholders' equity** | | 1,024 | 665 |

These financial statements, comprising the consolidated income statement, consolidated statement of comprehensive income, consolidated balance sheet, consolidated statement of changes in equity, consolidated cash flow statement, accounting policies, adoption of new accounting standards and notes to the consolidated financial statements 1 to 30 were approved by the Board of Directors on 20 July 2011 and were signed on its behalf by:

Paul Whittaker Director

Stuart Humphreys Director

**US GAAP Balance Sheet Reconciliation**
**Year ended 31 March 2011**
**NG Electricity Transmission**

25-May-12 Date

Dr = positive / Cr = negative — Balance sheet sign convention

5/25/12 11:47 AM

| Balance Sheet | IFRS | Acquisition FV adjustment; PP&E amortisation | Recognition of regulatory assets | Goodwill | Pensions and other post-retirement benefits | Financial instruments | Recognition of income | Sale and leaseback | Severance and restructuring provisions | Discount on provisions | Non-reversal of impairment | Capital (finance) lease recognition | FIN48 | Other - provide explanation | Deferred taxation | Subtotal | Reclassifications | US GAAP | Total US GAAP adjustments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Analysis of US GAAP adjustments by category | | | | | | | | | | | | | | | | | |
| | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m |
| **Current assets** | | | | | | | | | | | | | | | | | | | |
| Inventories | 28.0 | | - | | | | | | | | | | | | | 28.0 | | 28.0 | - |
| Trade and other receivables | 204.0 | | - | | - | | [redacted] | | | | | | | | | 204.0 | | 204.0 | - |
| Regulatory assets < 1 year | - | | - | | | | | | | | | | | | | - | | - | - |
| Financial investments | 4.0 | | - | | | - | | | | | | | | | | 4.0 | | 4.0 | - |
| Derivative assets | 20.0 | | - | | | - | | | | | | | | | | 20.0 | | 20.0 | - |
| Cash and cash equivalents | - | | - | | | | | | | | | | | | | - | | - | - |
| Total current assets | 256.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 256.0 | - | 256.0 | - |
| *Assets held for sale* | | | | | | | | | | | | | | | | - | | - | - |
| *Non-current Assets* | | | | | | | | | | | | | | | | | | | |
| Goodwill - cost | - | | | - | | | | | | | | | | | | - | | - | - |
| Goodwill - amortisation | - | | | - | | | | | | | | | | | | - | | - | - |
| Other intangibles - cost | 50.0 | | | | | | | - | | | | | | | | 50.0 | | 50.0 | - |
| Other intangibles - amortisation | - | | | | | | | - | | | | | | | | - | | - | - |
| PP&E - gross | 7,616.0 | - | - | | | | | | | | | | | | | 7,616.0 | (231.0) | 7,385.0 | (231.0) |
| PP&E - depreciation | - | - | - | | | | | | | | | | | | | - | | - | - |
| Regulatory assets | - | | - | | | | | | | | | | | | | - | | - | - |
| Investments in JVs | - | | - | | | | | | | | | | | | | - | | - | - |
| Deferred tax assets | - | | - | | | | | | | | | | | | - | - | | - | - |
| Investments | - | | | | | - | | | | | | | | | | - | | - | - |
| Derivative assets | 158.0 | | - | | | - | | | | | | | | | | 158.0 | | 158.0 | - |
| Other Debtors | - | | - | | | | | | | | | | | | | - | | - | - |
| **Total assets** | 8,080.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8,080.0 | (231.0) | 7,849.0 | (231.0) |
| *Current Liabilities* | | | | | | | | | | | | | | | | | | | |
| Bank overdrafts | - | | | | | | | | | | | | | | | - | | - | - |
| Borrowings | (253.0) | | - | | | - | | | | | | | | | | (263.0) | | (263.0) | - |
| Derivative liabilities | (16.0) | | - | | | | | | | | | | | | | (16.0) | | (16.0) | - |
| Swap liability contracts | - | | - | | | | | | | | | | | | | - | | - | - |
| Trade and other creditors | (729.0) | | - | | | | (9.0) | | | | | | | | | (738.0) | 7.0 | (731.0) | (2.0) |
| Current tax liabilities | - | | - | | | | | | | | | | | | | - | | - | - |
| Provisions | (13.0) | | - | | | | | | 6.0 | - | | | | | | (7.0) | | (7.0) | 6.0 |
| Total current liabilities | (1,015.0) | - | - | - | - | - | (9.0) | - | 6.0 | - | - | - | - | - | - | (1,018.0) | 7.0 | (1,011.0) | 4.0 |
| *Liabilities - held for sale* | - | | | | | | | | | | | | | | | - | | - | - |
| *Non-current liabilities* | | | | | | | | | | | | | | | | | | | |
| Borrowings | (4,403.0) | | - | | | - | | | | | | | | | | (4,403.0) | | (4,403.0) | - |
| Derivative liabilities | (76.0) | | - | | | | | | | | | | | | | (76.0) | | (76.0) | - |
| Swap liability contracts | - | | - | | | | | | | | | | | | | - | | - | - |
| Other non-current liabilities | (251.0) | | - | | | | - | | | | | | | | | (251.0) | 224.0 | (27.0) | 224.0 |
| Deferred tax liabilities | (761.0) | - | - | | - | - | - | - | - | - | - | - | - | - | [redacted] | (759.6) | | (759.6) | 1.4 |
| Pensions and other post-retirement benefits | (487.0) | | - | | - | | | | | | | | | | | (487.0) | | (487.0) | - |
| Provisions | (83.0) | | - | | | | | | - | (47.5) | - | | | | | (130.5) | | (130.5) | (47.5) |
| **Total liabilities** | (7,056.0) | - | - | - | - | - | (9.0) | - | 6.0 | (47.5) | - | - | - | - | 1.4 | (7,105.1) | 231.0 | (6,874.1) | 181.9 |
| **Net Assets** | 1,024.0 | - | - | - | - | - | (9.0) | - | 6.0 | (47.5) | - | - | - | - | 1.4 | 974.9 | - | 974.9 | (49.1) |
| MEMO : Deferred tax on US GAAP adjustments | | | | | | | | | | | | | | | | | | | |
| **Shareholders' equity roll forward** | | | | | | | | | | | | | | | | | | | |
| IFRS to US GAAP adjustments at start of period | (665.0) | - | - | - | - | - | - | - | (3.3) | - | - | - | - | - | 0.4 | (667.9) | | (667.9) | (2.9) |
| Net income for the period | (505.0) | - | - | - | - | - | 9.0 | - | (2.7) | 47.5 | - | - | - | - | (1.8) | (453.0) | | (453.0) | 52.0 |
| Other comprehensive income: | | | | | | | | | | | | | | | | | | | |
| - Cumulative translation adjustments | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - |
| - Cash flow hedge gains/losses | (13.0) | | | | | - | | | | | | | | | | (13.0) | | (13.0) | - |
| - Available for sale mark-to-market | - | | | | | - | | | | | | | | | | - | | - | - |
| - Pensions - actuarial gains/losses | 8.0 | | | | - | | | | | | | | | | | 8.0 | | 8.0 | - |
| - Pensions - FAS 158 | - | | | | | | | | | | | | | | | - | | - | - |
| - Other [provide explanation] | - | | | | | | | | | | | | | | | - | | - | - |
| - Reclassifications [provide explanation] | - | | | | | | | | | | | | | | | - | | - | - |
| - Taxation | 5.0 | | | - | - | | | | | | | | | | - | 5.0 | | 5.0 | - |
| Total OCI movements | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - |
| Equity dividends | 150.0 | | | | | | | | | | | | | | | 150.0 | | 150.0 | - |
| Acquisitions | - | | | | | | | | | | | | | | | - | | - | - |
| Disposals | - | | | | | | | | | | | | | | | - | | - | - |
| Issue of shares | - | | | | | | | | | | | | | | | - | | - | - |
| Movement in ESOPs | - | | | | | | | | | | | | | | | - | | - | - |
| Adoption of FIN 48 | - | | | | | | | | | | | | | | | - | | - | - |
| Share based payment transactions | (3.0) | | | | | | | | | | | | | | | (3.0) | | (3.0) | - |
| Tax on share based payments | (1.0) | | | | | | | | | | | | | | | (1.0) | | (1.0) | - |
| Shareholders' equity / IFRS to US GAAP adjustments at end of period | (1,024.0) | - | - | - | - | - | 9.0 | - | (6.0) | 47.5 | - | - | - | - | (1.4) | (974.9) | - | (974.9) | 49.1 |
| Minority interests - at start of period | - | | | | | | | | | | | | | | | - | | - | - |
| Minority interests - movements | - | | | | | | | | | | | | | | | - | | - | - |
| Minority interests - at end of period | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total equity - at start of period | (665.0) | - | - | - | - | - | - | - | (3.3) | - | - | - | - | - | 0.4 | (667.9) | - | (667.9) | (2.9) |
| Total equity - movements | (359.0) | - | - | - | - | - | 9.0 | - | (2.7) | 47.5 | - | - | - | - | (1.8) | (307.0) | - | (307.0) | 52.0 |
| Total equity - at end of period | (1,024.0) | - | - | - | - | - | 9.0 | - | (6.0) | 47.5 | - | - | - | - | (1.4) | (974.9) | - | (974.9) | 49.1 |
| Check balance | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Manual inputs cells

## 11. Inventories

| | 2011 £m | 2010 £m |
|---|---|---|
| Raw materials and consumables | 28 | 33 |

The above table includes a £15m provision for obsolescence against raw materials and consumables at 31 March 2011 (2010: £12m).

## 12. Trade and other receivables

| | 2011 £m | 2010 £m |
|---|---|---|
| Trade receivables | 16 | 13 |
| Amounts owed by fellow subsidiaries | 29 | 17 |
| Prepayments and accrued income | 156 | 128 |
| Other receivables | 3 | 3 |
| | 204 | 161 |

Trade receivables are non-interest bearing and generally have a 30-90 day term. Due to their short maturities, the fair value of trade and other receivables approximates to their book value. All other receivables are recorded at amortised cost.

**Provision for impairment of receivables**

| | £m |
|---|---|
| At 31 March 2010 and 31 March 2011 | 1 |

As at 31 March 2011, trade receivables of £2m (2010: £nil) were past due but not impaired.

For further information about our wholesale credit risk, refer to note 27c).

## 13. Financial investments

| | 2011 £m | 2010 £m |
|---|---|---|
| **Current** | | |
| Loans and receivables - amounts due from fellow subsidiaries | 4 | 3 |
| Available-for-sale investments | - | 64 |
| Total financial and other investments | 4 | 67 |

Available-for-sale investments are recorded at fair value. Due to their short maturities, the carrying value of loans and receivables approximates to their fair value.

## 14. Cash and cash equivalents

| | 2011 £m | 2010 £m |
|---|---|---|
| Short-term deposits | - | 326 |
| Cash and cash equivalents excluding bank overdrafts | - | 326 |
| Bank overdrafts | (8) | (13) |
| Net cash and cash equivalents | (8) | 313 |

The carrying amounts of cash and cash equivalents and bank overdrafts approximate to their fair value.

Cash at bank earns interest at floating rates based on daily bank deposit rates. Short-term deposits are made for various periods of between one day and three months, depending on immediate cash requirements, and earn interest at the respective short-term deposit rates.

## 15. Borrowings

| | 2011 £m | 2010 £m |
|---|---|---|
| **Current** | | |
| Bank overdrafts | 8 | 13 |
| Bank loans | 8 | 5 |
| Bonds | 42 | 300 |
| Borrowings from fellow subsidiaries | 205 | 16 |
| | 263 | 334 |
| **Non-current** | | |
| Bank loans | 400 | 400 |
| Bonds | 4,003 | 3,932 |
| | 4,403 | 4,332 |
| **Total borrowings** | 4,666 | 4,666 |

| Total borrowings are repayable as follows: | 2011 £m | 2010 £m |
|---|---|---|
| Less than 1 year | 263 | 334 |
| In 1 - 2 years | 200 | - |
| In 2 - 3 years | 538 | 200 |
| In 3 - 4 years | - | 552 |
| In 4 - 5 years | 164 | - |
| More than 5 years | 3,501 | 3,580 |
| | 4,666 | 4,666 |

The fair value of borrowings at 31 March 2011 was £4,998m (2010: £5,068m). Market values, where available, have been used to determine fair values. Where market values are not available, fair values have been calculated by discounting cash flows at prevailing interest rates.

The notional amount outstanding of the debt portfolio as at 31 March 2011 was £4,564m (2010: £4,577m).

Collateral is placed with or received from any counterparty where we have entered into a credit support annex to the ISDA Master Agreement once the current mark-to-market valuation of the trades between the parties exceeds an agreed threshold. Included in current bank loans is £8m (2010: £5m) in respect of cash received under collateral agreements.

As at 31 March 2011, the Company had committed credit facilities of £715m (2010: £425m) of which £715m was undrawn (2010: £425m undrawn). These undrawn facilities expire within three to four years.
All of the unused facilities at 31 March 2011 and at 31 March 2010 were held as back- to commercial paper and similar borrowings.
None of the Company's borrowings are secured by charges over assets of the Company.

## 16. Trade and other payables

| | 2011 £m | 2010 £m |
|---|---|---|
| Trade payables | 468 | 362 |
| Amounts owed to fellow subsidiaries | 101 | 99 |
| Deferred income | 85 | 77 |
| Social security and other taxes | 43 | 39 |
| Other payables | 32 | 27 |
| | 729 | 604 |

Due to their short maturities, the fair value of trade and other payables (excluding deferred income) approximates to their book value. All trade and other payables are recorded at amortised cost.

## 17. Other non-current liabilities

| | 2011 £m | 2010 £m |
|---|---|---|
| Deferred income | 241 | 234 |
| Other payables | 10 | 12 |
| | 251 | 246 |

The fair value of other payables approximates to their book value. All other non-current liabilities are recorded at amortised cost.

## 22. Consolidated cash flow statement

**(a) Reconciliation of net cash flow to movement in net debt**

| | 2011 £m | 2010 £m |
|---|---|---|
| Decrease in cash and cash equivalents | (321) | (70) |
| Decrease in financial investments | (63) | (293) |
| Decrease/(increase) in borrowings and derivatives | 104 | (14) |
| Net interest paid on the components of net debt | 179 | 184 |
| Change in net debt resulting from cash flows | (101) | (193) |
| Changes in fair value of financial assets and liabilities | 22 | 24 |
| Net interest charge on the components of net debt | (269) | (177) |
| Movement in net debt (net of related derivative financial instruments) in the year | (348) | (346) |
| Net debt (net of related derivative financial instruments) at start of year | (4,222) | (3,876) |
| Net debt (net of related derivative financial instruments) at end of year | (4,570) | (4,222) |

**(b) Analysis of changes in net debt**

| | Cash and cash equivalents £m | Bank overdrafts £m | Net cash and cash equivalents £m | Financial investments £m | Borrowings £m | Derivatives £m | Total £m |
|---|---|---|---|---|---|---|---|
| At 1 April 2009 | 387 | (4) | 383 | 360 | (4,708) | 89 | (3,876) |
| Cash flow | (61) | (9) | (70) | (297) | 196 | (22) | (193) |
| Fair value gains and losses | - | - | - | - | 41 | (17) | 24 |
| Interest charges | - | - | - | 4 | (182) | 1 | (177) |
| At 31 March 2010 | 326 | (13) | 313 | 67 | (4,653) | 51 | (4,222) |
| Cash flow | (326) | 5 | (321) | (65) | 303 | (18) | (101) |
| Fair value gains and losses | - | - | - | - | (15) | 37 | 22 |
| Interest charges | - | - | - | 2 | (293) | 22 | (269) |
| **At 31 March 2011** | - | (8) | (8) | 4 | (4,656) | 92 | (4,570) |
| **Balances at 31 March 2011:** | | | | | | | |
| Non-current assets | - | - | - | - | - | 158 | 158 |
| Current assets | - | - | - | 4 | - | 20 | 24 |
| Current liabilities | - | (8) | (8) | - | (255) | (10) | (273) |
| Non-current liabilities | - | - | - | - | (4,403) | (76) | (4,479) |
| **At 31 March 2011** | - | (8) | (8) | 4 | (4,658) | 92 | (4,570) |

(92)

NET DEBT EXCLUDING DERIVATIVES (4,662)

T

## Current price controls

The key elements of the current price controls for both gas and electricity transmission are that we are allowed to earn a 4.4% post-tax real return on our RAV, equivalent to a 5.05% vanilla return, with a £4.4 billion baseline five year capex allowance and a £1.2 billion five year controllable opex allowance.

In addition, we are subject to a number of incentives that can adjust our transmission network revenue. For electricity transmission, these include incentives for network reliability, sulphur hexafluoride losses, efficiency and balancing services. For gas transmission, our incentive schemes cover areas such as the cost of investment for additional capacity to facilitate new connections to the system.

The key elements of the current price controls for gas distribution are that we are allowed to earn a 4.3% post-tax real rate of return on our RAV, equivalent to a 4.94% vanilla return, with a £2.5 billion baseline five year capex allowance and a £1.6 billion five year controllable opex allowance.

| | RAV | Allowed vanilla return | Actual vanilla return | Return on equity |
|---|---|---|---|---|
| Electricity transmission | £8,388m | 5.05% | 6.40% | 13.6% |
| Gas transmission | £4,889m | 5.05% | 7.20% | 15.8% |
| Gas distribution | £7,520m | 4.94% | 5.64% | 12.1% |
| Total | £20,797m | | | 13.6% |

## Ofgem's review of price controls: RPI-X@20

Since privatisation, the RPI-X mechanism has provided the industry with strong incentives to be more efficient. The level of opex costs has decreased over the years, transforming previously inefficient nationalised industries. However, over the past few years new challenges, such as Great Britain's transition to lower carbon emissions and the requirement to renew ageing networks, have caused Ofgem to review the continuing appropriateness of the RPI-X approach.

In March 2008, Ofgem announced the RPI-X@20 review, which was a two year project to review the workings of the current approach to regulating Great Britain's energy networks and develop future policy recommendations.

Ofgem's RPI-X@20 review aims were to: drive improvements in quality of service and efficiency; ensure that the regulatory framework is flexible to adapt to structural changes in the energy industry; and enable efficient network companies to finance themselves efficiently.

To allow the lessons of the review to be accommodated in full, Ofgem extended the current transmission price control from its scheduled end in March 2012 by one year to March 2013.

Following the RPI-X@20 review, Ofgem has identified a modified price control approach, designated as RIIO, to deliver and meet the changing future needs of the energy market. The fundamental building block approach shown in the diagram opposite will still be at the heart of the model.

## The RIIO model

Ofgem's revised RIIO regulatory framework will be implemented in the next round of gas distribution and gas and electricity transmission price controls, which will start in April 2013.

RIIO refers to the formula:

Revenue = Incentives + Innovation + Outputs

To attract the efficient investment needed for the industry, Ofgem's RIIO model is intended to incentivise network companies to deliver the outputs demanded by consumers and network users in an efficient and innovative way.

The key features of the RIIO model are:

- a longer price control, lasting eight years, to provide stronger incentives for networks to manage costs;
- encouraging network companies to work more closely with stakeholders to identify what they want from energy network companies. This should help networks to identify, and so better meet, the developing needs of the energy market;
- rewarding network companies with higher returns where they meet the needs of the network users and consumers in innovative and efficient ways. However, network companies that perform poorly can expect to receive lower returns;
- encouraging network companies to become actively involved in delivering a sustainable energy sector;
- supporting the development and delivery of a network service that provides long-term value for money to existing and future consumers; and
- providing clarity to future investors to ensure that network companies can raise the finance needed in a timely manner and at a reasonable cost to consumers.

## Impact on National Grid

The RIIO model will not only reward us for increased efficiency but also encourage us to engage more openly and effectively with our stakeholders. This will allow us to develop more robust commercial relationships with current and future network users to help us fulfil our vital role in the delivery of a sustainable future energy sector. It will also help us to respond and adapt our delivery plans to provide long-term value for money to network users.

Output measures in future price controls will give stakeholders a clear understanding of what we will deliver in return for the revenue that we receive from our customers. The proposed output categories are: customer satisfaction; reliability and availability; safe network services; connection terms; environmental impact; and social obligations. These outputs will cover both primary and secondary deliverables. We will be required to demonstrate in price controls that the primary outputs are material, controllable, measurable, comparable and legally compliant. The secondary deliverables will be evidenced through our business plans to demonstrate the costs required to deliver the primary outputs. Four years into the eight year price control, there will be an interim review of the outputs that we were required to deliver, to ensure that they remain relevant.

As the energy landscape evolves, Ofgem's RIIO model should encourage us in our gas distribution and electricity and gas transmission roles to play a full part in the delivery of a sustainable energy sector and to deliver network services offering long-term value for money to existing and future consumers.

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25/05/2012 02:31 PM
National Grid
Entity code: NGGMETERING.T

Application : NG Financial Reporting 10/11 (NgRep)
Report : BCYR01

Summary IFRS balance sheet report
National Grid Gas Metering

| | ACT1011 March 2011 YTD £'000 |
|---|---|
| 8810 Goodwill | - |
| 8811 Other intangible assets | - |
| 8812 Property, plant and equipment | 585,776 |
| 8813 Investments in group undertakings | - |
| 8814 Investments in joint ventures/assocs | - |
| 8815 Own shares | - |
| 8816 Deferred tax assets | - |
| 8817 Derivative assets - non-current | - |
| 8818 Interco loans receivable - non-current | - |
| 8819 Other receivables | - |
| 8820 Available for sale investments | - |
| 8821 Pension asset | - |
| **8825 Non-current assets** | **585,776** |
| 8826 Businesses/assets held for resale | - |
| 8827 Inventories | - |
| 8828 Derivative assets - current | - |
| 8829 Interco loans receivable - current | ~~1,111,495~~ |
| 8830 Trade and other receivables | 27,074 |
| 8831 Financial investments | - |
| 8832 Cash and cash equivalents | ~~(38,924)~~ |
| 8834 Current emissions | - |
| **8835 Current assets** | **1,099,646** |
| **8839 Total assets** | **1,685,422** |
| 8840 Bank overdrafts | - |
| 8841 Borrowings - current | - |
| 8842 Derivative liabilities - current | - |
| 8843 Trade and other payables | (32,041) |
| 8844 Current tax liabilities | - |
| 8845 Intercompany loans - current | - |
| 8846 Provisions - current | (12,197) |
| 8847 Current account payables | ~~(16,818)~~ |
| 8848 Liabilities held for resale | - |
| **8855 Current liabilities** | **(61,056)** |
| 8856 Borrowings - non-current | - |
| 8857 Derivative liabilities - non-current | - |
| 8858 Other non-current liabilities | (60,638) |
| 8859 Intercompany loans - non-current | - |
| 8860 Deferred tax liabilities | - |
| 8861 Provisions - non-current | (6,882) |
| 8862 Retirement and oth post-ret'mnt oblig ns | - |
| **8865 Non-current liabilities** | **(67,520)** |
| **8869 Total liabilities** | **(128,576)** |
| 8802 Balance sheet unbalanced by | 0 |
| **8879 Net assets** | **1,556,845** |
| 8880 Share capital | - |
| 8881 Share premium | - |
| 8882 Retained earnings | (1,556,845) |
| 8883 Capital redemption reserve | - |
| 8886 Other reserves | - |
| **8889 Equity shareholders' funds** | **(1,556,845)** |
| 8890 Minority interest | - |
| **8899 Capital and reserves** | **(1,556,845)** |

£613 m

£(112) m

613
(112)
19 - J.2
(24) - J.2
496

J.2

25/05/2012
National Grid
Entity code: XOSERVE.T

02:31 PM
Application : NG Financial Reporting 10/11 (NgRep)
Report : BCYR01

Summary IFRS balance sheet report
Xoserve Limited

| | ACT1011 March 2011 YTD £'000 | |
|---|---|---|
| 8810 Goodwill | - | |
| 8811 Other intangible assets | 3,762 | |
| 8812 Property, plant and equipment | 13,180 | |
| 8813 Investments in group undertakings | - | |
| 8814 Investments in joint ventures/assocs | - | |
| 8815 Own shares | - | |
| 8816 Deferred tax assets | - | |
| 8817 Derivative assets - non-current | - | |
| 8818 Interco loans receivable - non-current | - | |
| 8819 Other receivables | 304 | |
| 8820 Available for sale investments | - | |
| 8821 Pension asset | - | |
| **8825 Non-current assets** | **17,246** | |
| 8826 Businesses/assets held for resale | - | £19 m |
| 8827 Inventories | - | |
| 8828 Derivative assets - current | - | |
| 8829 Interco loans receivable - current | ~~16,519~~ | |
| 8830 Trade and other receivables | 1,364 | |
| 8831 Financial investments | - | |
| 8832 Cash and cash equivalents | ~~(960)~~ | |
| 8834 Current emissions | - | |
| **8835 Current assets** | **16,923** | |
| **8839 Total assets** | **34,169** | |
| 8840 Bank overdrafts | - | |
| 8841 Borrowings - current | - | |
| 8842 Derivative liabilities - current | - | |
| 8843 Trade and other payables | (8,167) | |
| 8844 Current tax liabilities | (106) | |
| 8845 Intercompany loans - current | - | |
| 8846 Provisions - current | - | |
| 8847 Current account payables | ~~(3,701)~~ | |
| 8848 Liabilities held for resale | - | |
| **8855 Current liabilities** | **(11,974)** | £(24)m |
| 8856 Borrowings - non-current | - | |
| 8857 Derivative liabilities - non-current | - | |
| 8858 Other non-current liabilities | (14,057) | |
| 8859 Intercompany loans - non-current | - | |
| 8860 Deferred tax liabilities | (807) | |
| 8861 Provisions - non-current | (214) | |
| 8862 Retirement and oth post-ret'mnt obligns | (268) | |
| **8865 Non-current liabilities** | **(15,346)** | |
| **8869 Total liabilities** | **(27,320)** | |
| 8802 Balance sheet unbalanced by | (306) | |
| **8879 Net assets** | **6,543** | |
| 8880 Share capital | (199) | |
| 8881 Share premium | (801) | |
| 8882 Retained earnings | (5,543) | |
| 8883 Capital redemption reserve | - | |
| 8886 Other reserves | - | |
| **8889 Equity shareholders' funds** | **(6,543)** | |
| 8890 Minority interest | - | |
| **8899 Capital and reserves** | **(6,543)** | |

**Consolidating schedules**
**as at March 31, 2011**

| | National Grid plc *IFRS company* $'m | National Grid USA *IFRS consolidated (section 2)* $'m | National Grid Gas plc *IFRS consolidated (section 3)* $'m | National Grid Elect. Trans. plc *IFRS consolidated (section 3)* $'m | Other major subsidiaries *IFRS aggregated (section 4)* $'m | Total of non-major subsidiaries *IFRS aggregated* $'m | Consol-idation adjustments *IFRS* $'m | National Grid plc *IFRS consolidated* $'m | National Grid plc *US GAAP adjustments* $'m | National Grid plc *US GAAP consolidated* $'m |
|---|---|---|---|---|---|---|---|---|---|---|
| **Condensed balance sheet** | | | | | | | | | | |
| Goodwill | - | 7,671 | - | - | - | - | 5 | 7,675 | 3,410 | 11,085 |
| Other intangible assets | - | 383 | 309 | 80 | 35 | - | - | 805 | (313) | 492 |
| Property, plant & equipment | - | 18,882 | 18,130 | 12,239 | 2,179 | (3) | (74) | 51,353 | 2,104 | 53,457 |
| Investments in subsidiaries | 12,678 | (0) | - | - | 183,280 | 23,899 | (219,858) | - | - | - |
| Investments | - | 560 | - | - | 2 | 392 | - | 953 | 5 | 958 |
| Non-current regulatory assets | - | 0 | - | - | - | - | - | - | 6,177 | 6,177 |
| Other non-current assets | 926 | 461 | 866 | 254 | 646 | (2) | - | 3,151 | - | 3,151 |
| Intercompany receivables | 16,546 | 3 | 9,065 | 53 | 52,671 | 25,788 | (104,126) | - | - | - |
| Inventories | - | 357 | 64 | 45 | 48 | - | - | 514 | 2 | 516 |
| Receivables and other current assets | 403 | 2,795 | 489 | 326 | 378 | 18 | (101) | 4,307 | (34) | 4,273 |
| Regulatory assets | - | 0 | - | - | - | - | - | - | 280 | 280 |
| Financial and other investments | 2,288 | 1,545 | 357 | - | 490 | 43 | - | 4,723 | (4,016) | $\boxed{707}$ |
| Cash and cash equivalents | 321 | 77 | 133 | - | 39 | 47 | - | 617 | 4,062 | $\boxed{4,680}$ |
| Assets of businesses held for sale | - | 466 | - | - | - | - | - | 466 | - | 466 |
| Total assets | 33,164 | 33,199 | 29,413 | 12,997 | 239,768 | 50,182 | (324,154) | 74,565 | 11,676 | 86,241 |
| Borrowings (including bank overdrafts) | (1,808) | (860) | (667) | (93) | (1,313) | - | (3) | (4,744) | 452 | $\boxed{(4,292)}$ |
| Current liabilities | (366) | (2,325) | (1,242) | (1,077) | (437) | (35) | 66 | (5,417) | (355) | (5,772) |
| Current tax liabilities | - | (824) | (37) | - | 66 | (13) | - | (808) | 440 | (368) |
| Intercompany payables | (12,787) | (1,147) | (718) | (492) | (82,423) | (7,823) | 105,389 | - | - | - |
| Non-current borrowings | (5,830) | (7,886) | (11,439) | (7,076) | (452) | 2 | 145 | (32,535) | 1,008 | $\boxed{(31,528)}$ |
| Other non-current liabilities | (407) | (2,561) | (2,108) | (641) | (297) | (6) | - | (6,121) | (1,961) | (8,082) |
| Deferred tax liabilities | - | (1,476) | (3,010) | (1,223) | (349) | 3 | - | (6,052) | (3,227) | (9,279) |
| Pensions and other post-retirement benefits | - | (3,347) | - | (750) | (40) | - | - | (4,136) | (22) | (4,159) |
| Liabilities of businesses held for sale | - | (177) | - | - | - | - | - | (177) | - | (177) |
| Total liabilities | (21,198) | (20,703) | (19,221) | (11,352) | (85,245) | (7,873) | 105,596 | (59,991) | (3,886) | (63,656) |
| Shareholders' equity | (11,966) | (12,485) | (10,188) | (1,646) | (154,523) | (42,311) | 218,560 | (14,559) | (7,974) | (22,533) |
| Minority interests | - | (11) | (3) | - | - | 2 | (2) | (14) | (37) | (51) |
| Total liabilities and equity | (33,164) | (33,199) | (29,413) | (12,997) | (239,768) | (50,182) | 324,154 | (74,565) | (11,676) | (86,241) |

$30,433 m

AT GBP : USD FX RATE of 1.607

= £18,942 million

7

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## 27. Consolidated cash flow statement

### (a) Cash flow from operating activities – discontinued operations

| | 2011 £m | 2010 £m | 2009 £m |
|---|---|---|---|
| Operating profit | – | – | 13 |
| Changes in working capital, provisions and pensions | – | – | (21) |
| Cash flow relating to discontinued operations | – | – | (8) |

### (b) Cash flow from investing activities – discontinued operations

| | 2011 £m | 2010 £m | 2009 £m |
|---|---|---|---|
| Disposal proceeds (i) | – | – | 1,617 |
| Tax arising on disposal | – | – | (564) |
| Other investing activities | – | – | (4) |
| Cash flow relating to discontinued operations | – | – | 1,049 |

(i) Disposal proceeds are in respect of the sale of assets and liabilities classified as held for sale.

### (c) Reconciliation of net cash flow to movement in net debt

| | 2011 £m | 2010 £m | 2009 £m |
|---|---|---|---|
| (Decrease)/increase in cash and cash equivalents | (346) | (28) | 538 |
| Increase/(decrease) in financial investments | 1,577 | (805) | (99) |
| Decrease/(increase) in borrowings and related derivatives | 1,763 | 499 | (1,641) |
| Net interest paid on the components of net debt | 1,011 | 999 | 956 |
| Change in net debt resulting from cash flows | 4,005 | 665 | (246) |
| Changes in fair value of financial assets and liabilities and exchange movements | 690 | 865 | (3,625) |
| Net interest charge on the components of net debt | (1,228) | (996) | (1,161) |
| Reclassified as held for sale | 9 | – | – |
| Other non-cash movements | (68) | – | – |
| Movement in net debt (net of related derivative financial instruments) in the year | 3,408 | 534 | (5,032) |
| Net debt (net of related derivative financial instruments) at start of year | (22,139) | (22,673) | (17,641) |
| **Net debt (net of related derivative financial instruments) at end of year** | **(18,731)** | **(22,139)** | **(22,673)** |

### (d) Analysis of changes in net debt

| | Cash and cash equivalents £m | Bank overdrafts £m | Net cash and cash equivalents £m | Financial investments £m | Borrowings £m | Derivatives £m | Total(i) £m |
|---|---|---|---|---|---|---|---|
| At 31 March 2008 | 174 | (10) | 164 | 2,095 | (20,993) | 1,093 | (17,641) |
| Cash flow | 545 | (7) | 538 | (184) | (1,316) | 716 | (246) |
| Fair value gains and losses and exchange movements | 18 | – | 18 | 207 | (3,222) | (628) | (3,625) |
| Interest charges | – | – | – | 79 | (1,245) | 5 | (1,161) |
| At 31 March 2009 | 737 | (17) | 720 | 2,197 | (26,776) | 1,186 | (22,673) |
| Cash flow | (16) | (12) | (28) | (826) | 2,079 | (560) | 665 |
| Fair value gains and losses and exchange movements | (1) | – | (1) | 2 | 644 | 220 | 865 |
| Interest charges | – | – | – | 24 | (1,042) | 22 | (996) |
| At 31 March 2010 | 720 | (29) | 691 | 1,397 | (25,095) | 868 | (22,139) |
| Cash flow | (333) | (13) | (346) | 1,551 | 2,933 | (133) | 4,005 |
| Fair value gains and losses and exchange movements | (3) | – | (3) | (34) | 402 | 325 | 690 |
| Interest charges | – | – | – | 25 | (1,337) | 84 | (1,228) |
| Reclassified as held for sale | – | – | – | – | 9 | – | 9 |
| Other non-cash movements | – | – | – | – | (68) | – | (68) |
| **At 31 March 2011** | **384** | **(42)** | **342** | **2,939** | **(23,156)** | **1,144** | **(18,731)** |
| Balances at 31 March 2011 comprise: | | | | | | | |
| Non-current assets | – | – | – | – | – | 1,270 | 1,270 |
| Current assets | 384 | – | 384 | 2,939 | – | 468 | 3,791 |
| Current liabilities | – | (42) | (42) | – | (2,910) | (190) | (3,142) |
| Non-current liabilities | – | – | – | – | (20,246) | (404) | (20,650) |
| | 384 | (42) | 342 | 2,939 | (23,156) | 1,144 | (18,731) |

(i) Includes accrued interest at 31 March 2011 of £182m (2010: £232m).

Financial Statements

Date of Request: May 23, 2012 Request No. DPS-108 (MWC-3)
Due Date: June 4, 2012 NMPC Req. No. 108

NIAGARA MOHAWK POWER CORPORATION
Case No. 12-E-0201 and 12-G-0202 - Niagara Mohawk Power Corporation
d/b/a National Grid - Electric and Gas Rates

Request for Information

FROM: Michael Colby

TO: Elizabeth D. Arangio

SUBJECT: Load and Capacity

Request:

1. Please provide a load duration curve for the test year winter, the 2013-14 winter, the 2014-15 winter, and the 2015-16 winter. Include the forecasted Global Foundries load for all years that they are expected to be a firm sales customer. Also, include any current or projected bundled purchases to be delivered to the city gate when applicable (Canajoharie Call, etc.).
2. In your testimony you state that the company contracted for an additional 20,000 Dth/day of Dominion Transmission Inc. (DTI) pipeline capacity to the company's East Gate in November 2011, while Exhibit__(EDA-2) only shows 17,700 of additionally acquired DTI capacity. Please explain this discrepancy. Was any of this capacity procured in order to serve Global Foundries current or future load?
3. Please provide updated information on Global Foundries, including any details on how long the company anticipates that it will provide firm sales service to this customer and any expected changes to loads and/or ramp up dates changed since the initial case was filed.
4. Is the Canajoharie Call required to provide firm service to Global Foundries in the time period between now and March 31, 2016. If so, explain. If not, please provide the company's plan to service this additional load.
5. Please explain how the proposed Canajoharie Call will benefit the company's distribution system when it appears that this will provide peaking supplies to the West Gate of the system but that the majority of load growth appears to come off of the East Gate.
6. Please provide individual load duration curves for the East Gate, the West Gate, and the Iroquois gate for the test year winter, the 2013-14, the 2014-15, and the 2015-16 winters.
7. How often does the company review its holdings of long line capacity and what changes does the company plan to make over the next five years?

Response:

1. See attachment: MWC-3-Attachment 1

2. The MDQ for the Company's DTI Hub II FT Contract # 200558 is 20,000 Dth/day. Since April 2011, the Company has released 2,300 Dth/day to NYSEG as part of a long-standing service agreement between NYSEG and NMPC so that NYSEG is able to serve its load at Mechanicsville. Prior to April 2011, this capacity was released from the Company's FT Contract # 100001.

   NMPC provided Staff with two presentations in November 2007 which stated the reasons for procuring this capacity. Please refer to attachments MWC-3-Attachment 2 and MWC-3-Attachemnt 3. Global Foundries was one of the considerations for procuring this capacity as the Company expects to see ancillary load growth in the area as a result of the facility. The capacity was not intended to be used solely for Global Foundries' production load requirements. Since 2007, the Company has seen its forecast peak day load decline by approximately 20 Mdt/day. Most reductions have been in the western side of the NMPC gas system thus not diminishing the need for East Gate capacity.

3. Global Foundries provided a new ramp-up schedule in April 2012, but it was not significantly different than the schedule provided in May 2011. This latest ramp-up schedule indicates Global Foundries should currently be averaging approximately 4,000 Dth/day, but it has yet to reach 2,000 Dth on any one day this year. Its next large ramp-up is supposed to occur in the summer of 2014 when it projects to reach 20,000 Dth/day. NMPC will require more system reinforcements to support such a load. NMPC and Staff agreed that prior to approving those reinforcements, Global Foundries will have to provide a gas supply plan. As discussed, NMPC will not be able to support Global Foundries as a firm sales customer through all the phases of its project without additional East Gate capacity. However, at present it is not possible for the Company to determine with certainty how long Global Foundries will remain as a sales customer.

4. The Canajoharie call option may be needed to help serve East Gate load between now and March 31, 2016 depending on whether load growth continues behind the Company's Croghan gate. As discussed in MWC-3-Attachment 3 (Page 6), the Army's Fort Drum expansion has been the major factor in increasing usage in the Watertown area. The DTI Hub II capacity has negated the need for the call option in the Company's current supply plan. Recently, the Company has been able to buy gas at Canajoharie in the daily market when needed to maintain Maximum Daily Delivery Obligation ("MDDOs") at the East Gate. Should there be an issue due to lack of counterparties for sales agreements, the Company will revisit the call option.

   Global Foundries' requirements have been incorporated into all of the forecasts used for this filing. Global Foundries would most likely need to move to firm transportation service and procure their own East Gate capacity by 2016. If they wish to remain as a firm sales customer, they would need to provide commitments to remain a sales customer to ensure that any new capacity is utilized fully and does not affect other firm sales customers.

5. Contrary to the assumption underlying the question, the Canajoharie Call would provide supply to East Gate, not West Gate. During the winter, NMPC contracts for 51,596 Dth/day of supply into Waddington on Iroquois. This supply is then split

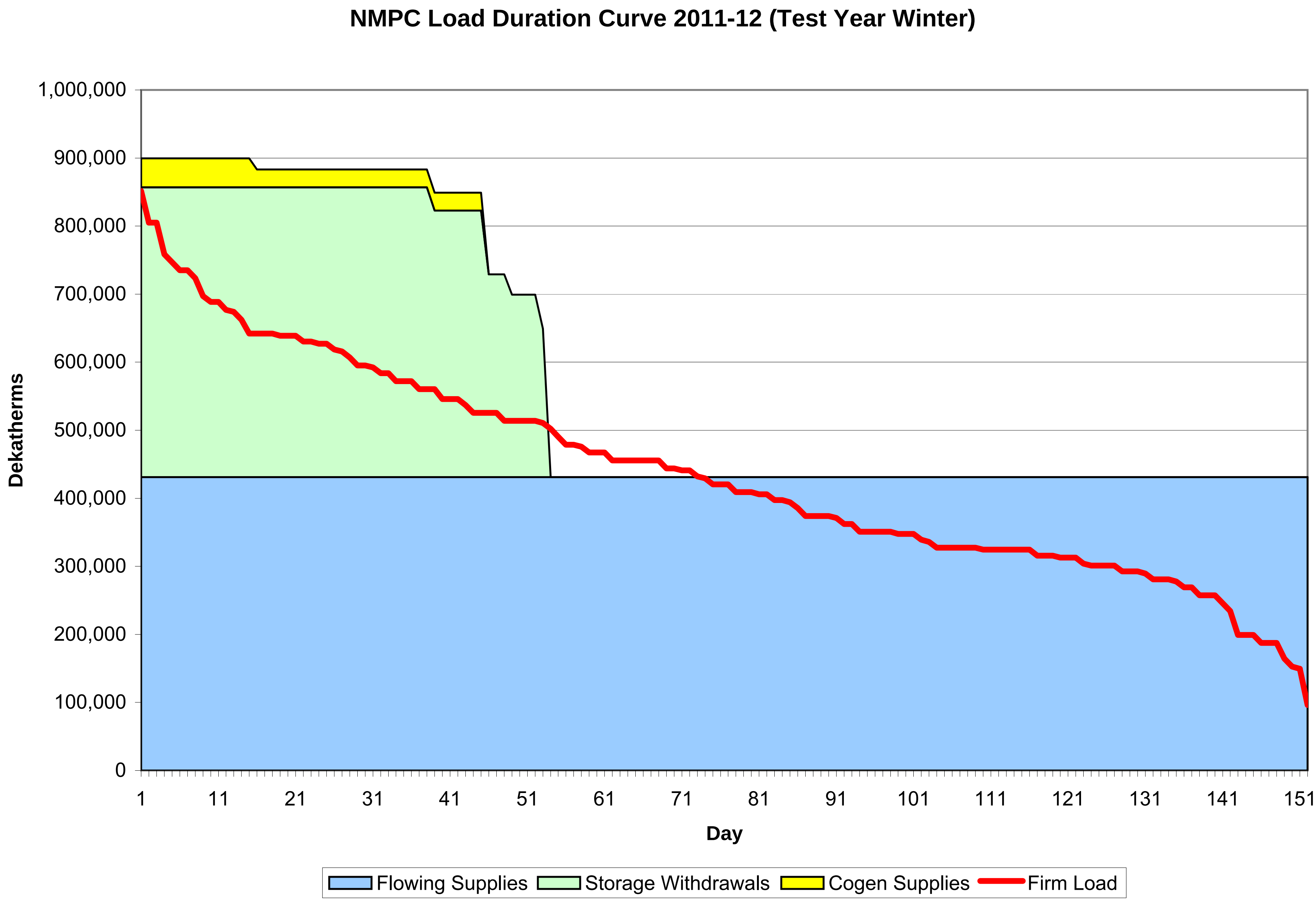
between Croghan and Canajoharie as needed depending on the requirements behind the Croghan gate. As stated in MWC-3-Attachment 3 (Page 6), bringing additional gas supply to Croghan (rather than diverting supply to Canajoharie), “will help maintain system integrity on the pipeline system in the Watertown area.” The Canajoharie call option will provide the 20 Mdt needed to maintain the maximum MDDO at the East gate on peak or near-peak days. The Company’s primary DTI FT contract (#100001) requires deliveries of 14 Mdt at Ellisburg and 20 Mdt at Canajoharie to maintain East Gate MDDOs on peak days. The 14 Mdt at Ellisburg is procured through a winter term deal.

6. The requirements forecasts used for this filing were not developed to provide a breakdown between East Gate, West Gate and Iroquois. The Company has reviewed the percentage breakdown for 2011-12 winter between “eastern” load (DTI East Gate plus TGP South Albany load) and “western” load (DTI West Gate plus Iroquois load). These percentages were applied to the overall sendout requirements forecast for 2011-12 to split the load between East and West. A load duration curve was developed for the winter of 2011-12 (see attachment MWC-3-Attachment 4).

   As there is no current forecast for how these percentages will change going forward, the Company is not able to produce curves for 2013-14, 2014-15 and 2015-16. The Company is currently working on developing new forecasting models to provide this kind of detail in the future.

7. The Company constantly reviews its gas supply portfolio. The Company closely monitors the expected versus actual load growth occurring throughout its territory and modifies the portfolio as needed. When contracts in the portfolio come up for expiration and/or termination, the Company determines whether the capacity is still needed to meet customer requirements in a least-cost manner. If so, the capacity is renewed, and if not, the Company would either terminate the contract or let it expire. At this time and given the current load forecast, the Company has no plans to make any changes to its portfolio over the next five years.

| Name of Respondent: | Date of Reply: |
|---|---|
| Elizabeth Arangio | June 1, 2012 |

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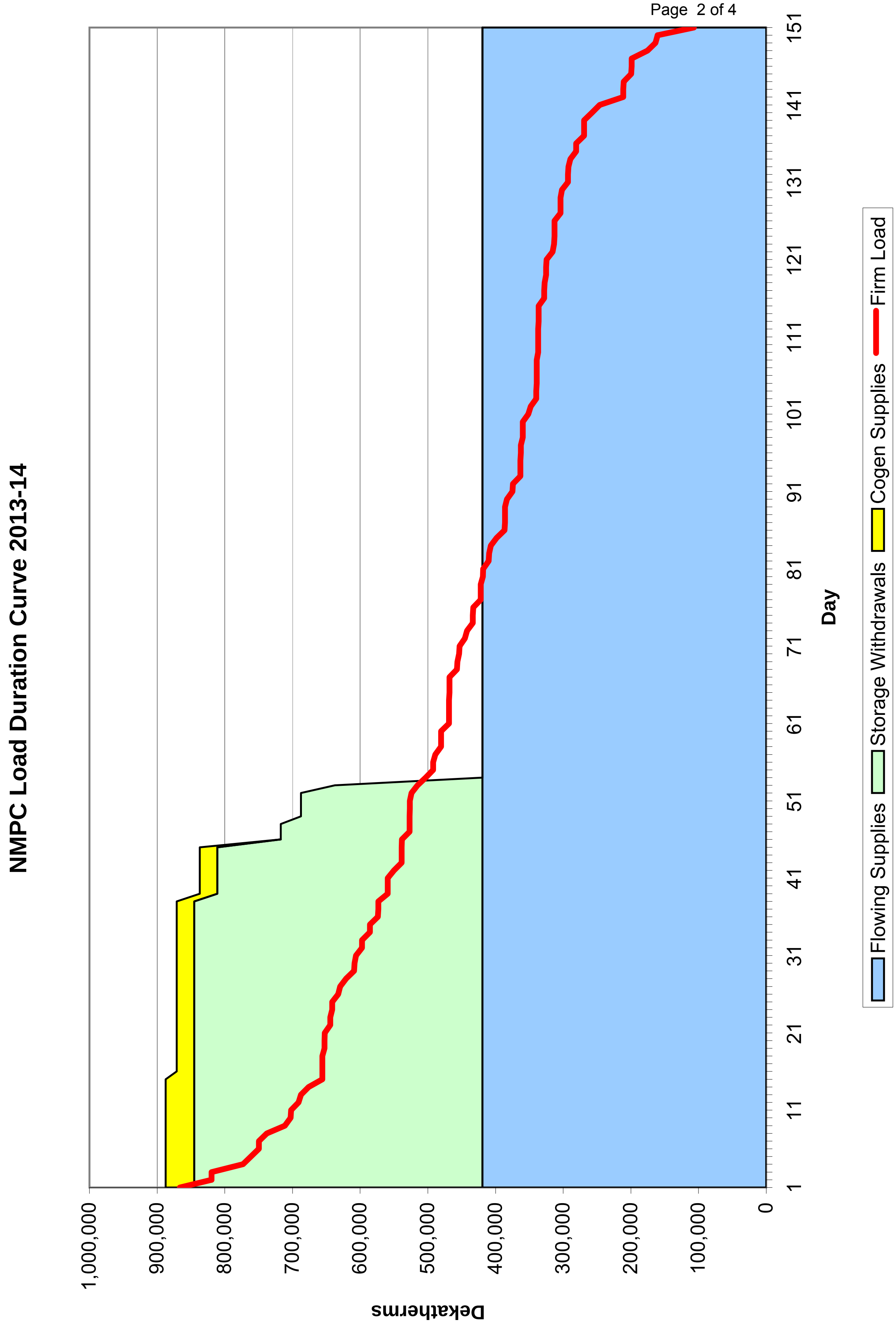
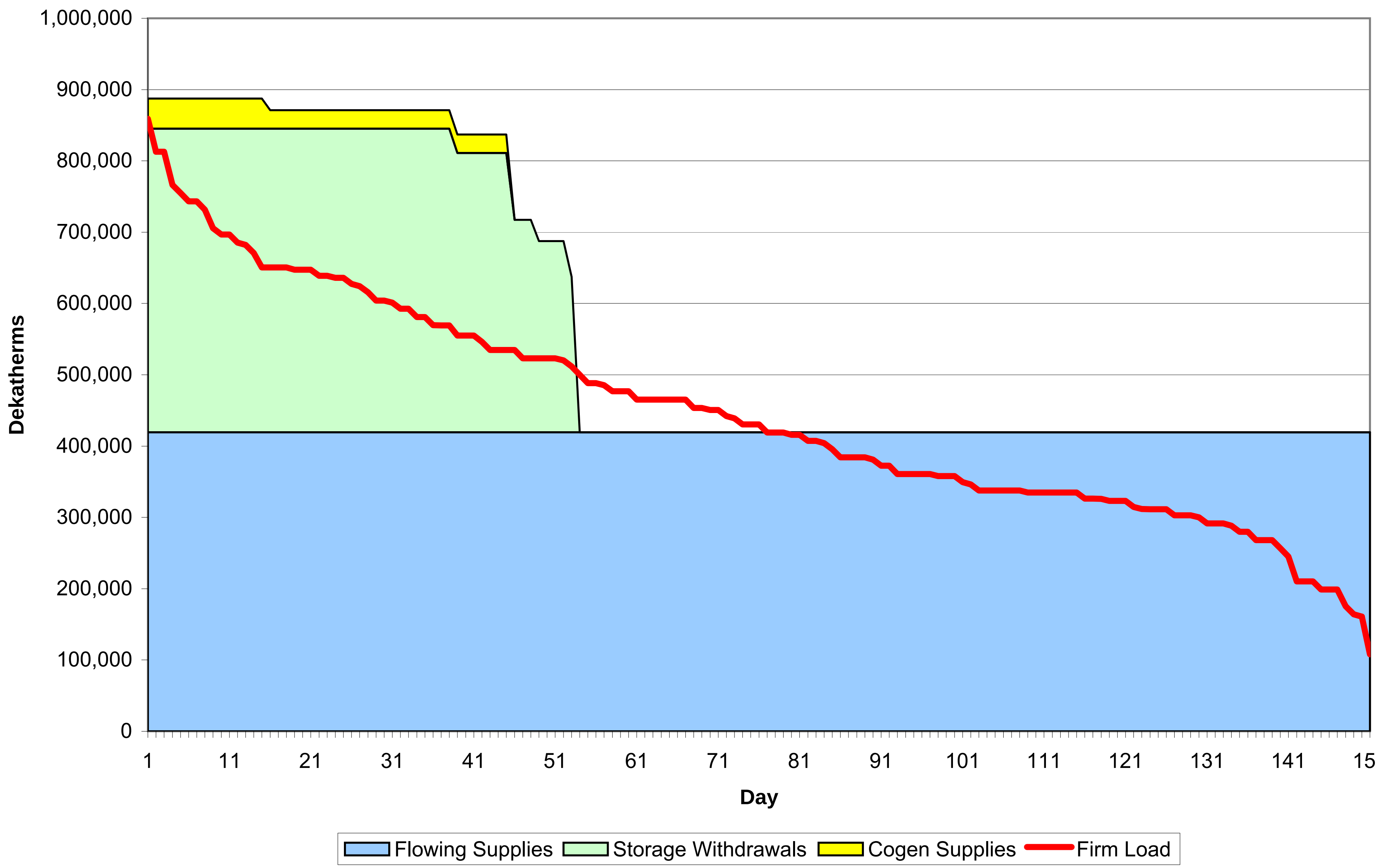


## NMPC Load Duration Curve 2014-15

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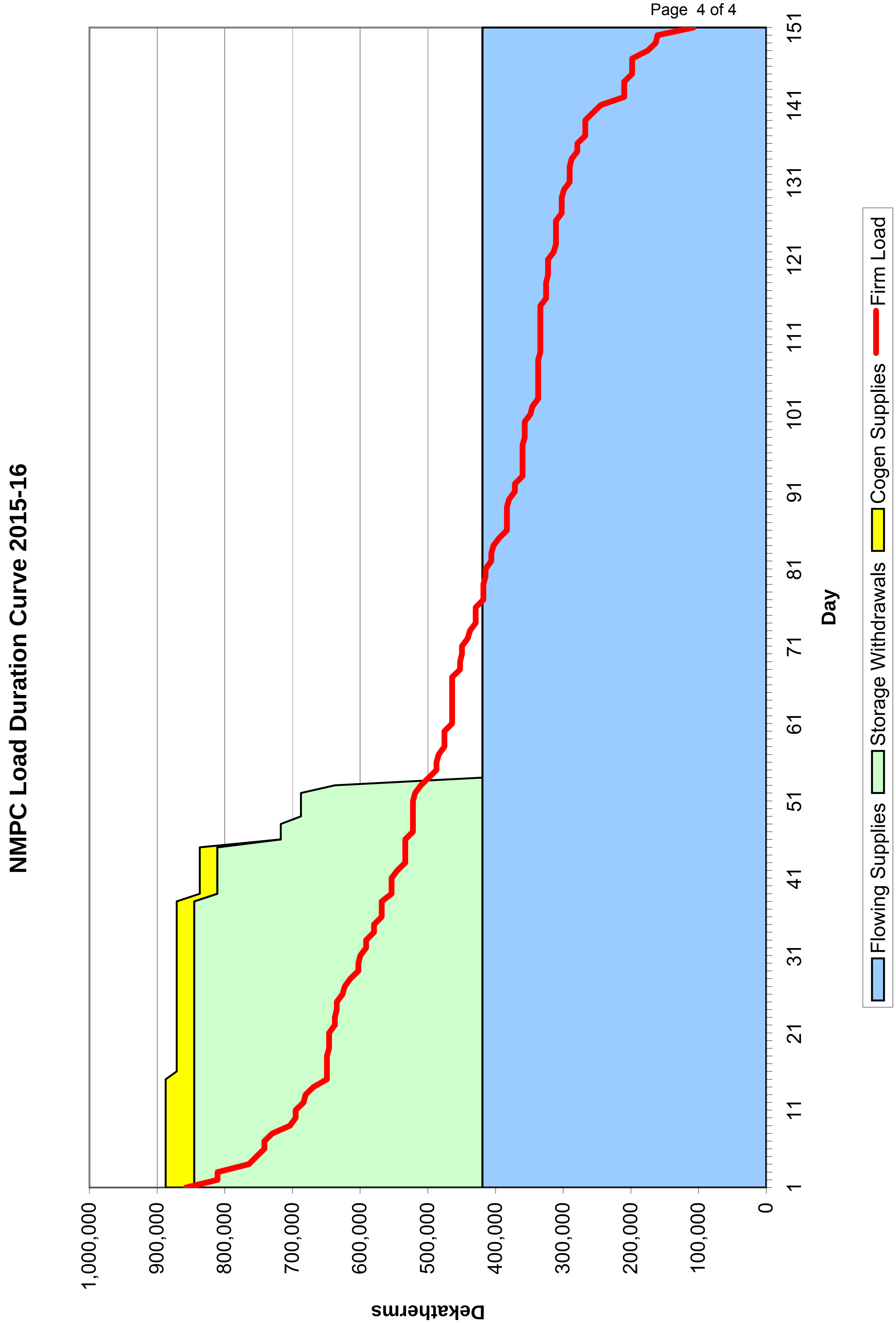

# National Grid
# Incremental DTI Deliveries to the East Gate

PSC Staff Presentation

November 19, 2007

Niagara Mohawk Power Corporation
d/b/a National Grid
Case 12-G-0202
Attachment 2 to MWC-3
Page 1 of 11

nationalgrid

# Agenda

- **Purpose – Review with Staff, National Grid's plan to increase delivery to the East Gate by 20 MDT per day**
  - Background
    - Albany and System Gas Demand
    - Albany and System Gas Supply
  - Opportunity
  - Contract and Rate Alternatives
  - Planned Next Steps

Niagara Mohawk Power Corporation
d/b/a National Grid
Case 12-G-0202
Attachment 2 to MWC-3
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nationalgrid

# Albany and System Gas Demand

- **Current Albany area demand close to supply capacity limits**
  - Design day forecast load (including IPP peak shaving capacity) is 98% of DTI's Maximum Daily Delivery Obligation (MDDO)
  - Forecast peak flowrate exceeds DTI's hourly OFO limit requiring peak shaving to comply
  - Secondary transportation to Albany frequently cut by DTI in the winter, often for long durations

- **Albany area demand forecast to grow**
  - Area has highest level of new customer additions
  - Anticipated additional future growth driven by computer chip manufacturing and nano-technology expansions in Albany area
  - Additional displacement of oil heating (high oil prices)
  - National Grid expects design day firm demand to grow 0.5% annually
  - Growth at Fort Drum limits the gas that can be delivered on Iroquois to Canajoharie for redelivery by DTI to Albany

- **System City Gate delivery capacity currently short by 12,000 Dt/d**
  - Requirement met by short term bundled supply or capacity releases
  - Currently met by capacity release expiring 3/31/2013

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Case 12-G-0202
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# Albany and System Gas Supply

- **Albany has historically faced supply constraints**
  - At the "tail end" of the Dominion Transmission Inc. (DTI) system
  - Existing DTI MDDO at Albany requires deliveries from Iroquois to DTI at Canajoharie, NY
  - Tennessee capacity constrained east of Sta. 237 West Winfield (ConneXion project expansion relatively expensive >$20.00/Dt capacity charge requiring capacity contracts to Gulf production area)
  - Backhauls on Tennessee rely on expensive New England supplies (Dracut, MA)
- **Niagara Mohawk has bid for additional capacity in several recent DTI open seasons**
  - Bids have been unsuccessful since additional capacity provides insufficient DTI system benefits to allow rolled-in rates
  - Historically, incremental rates have been high

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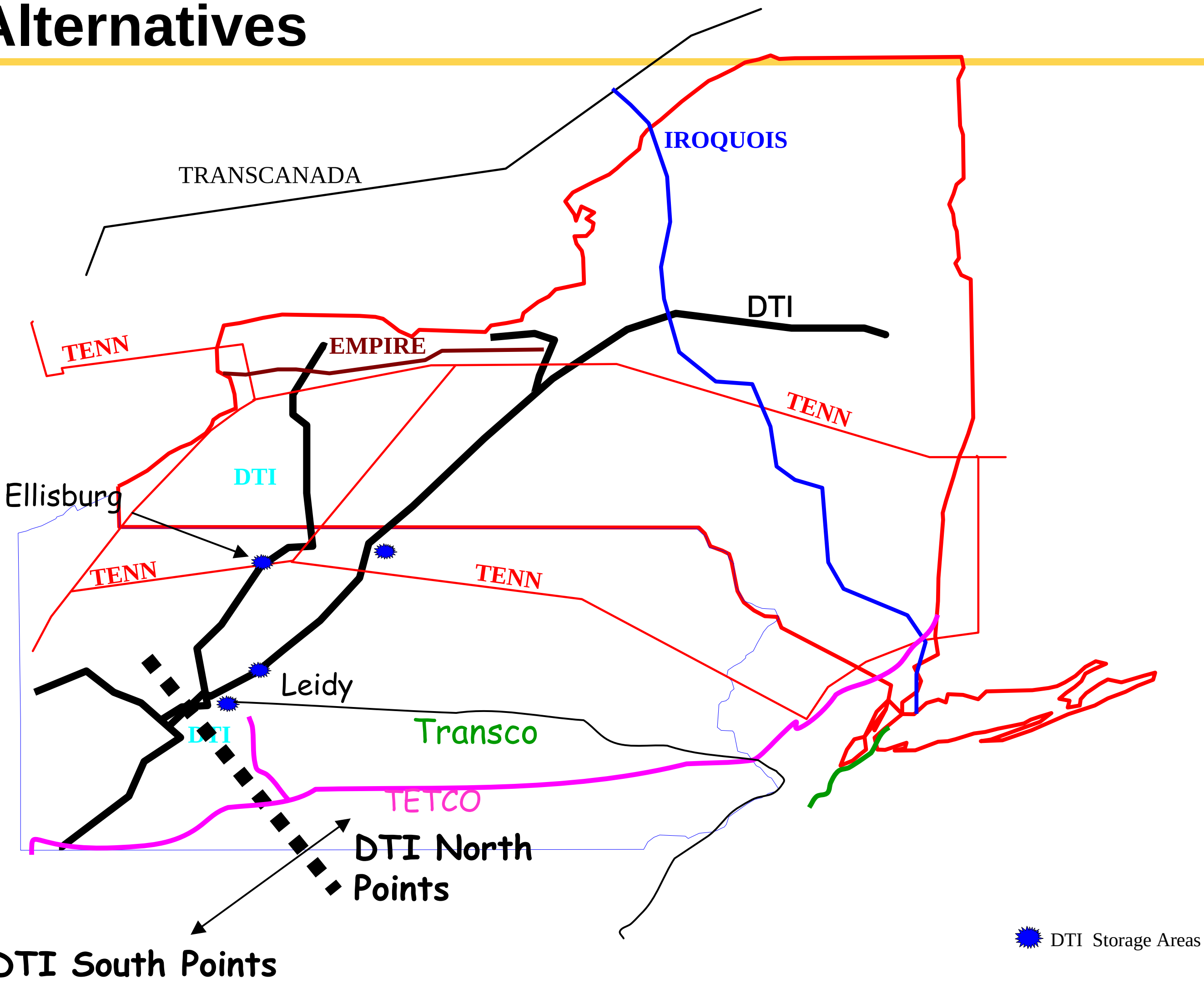
# Supply Alternatives




Pipelines Serving NYS.PR4



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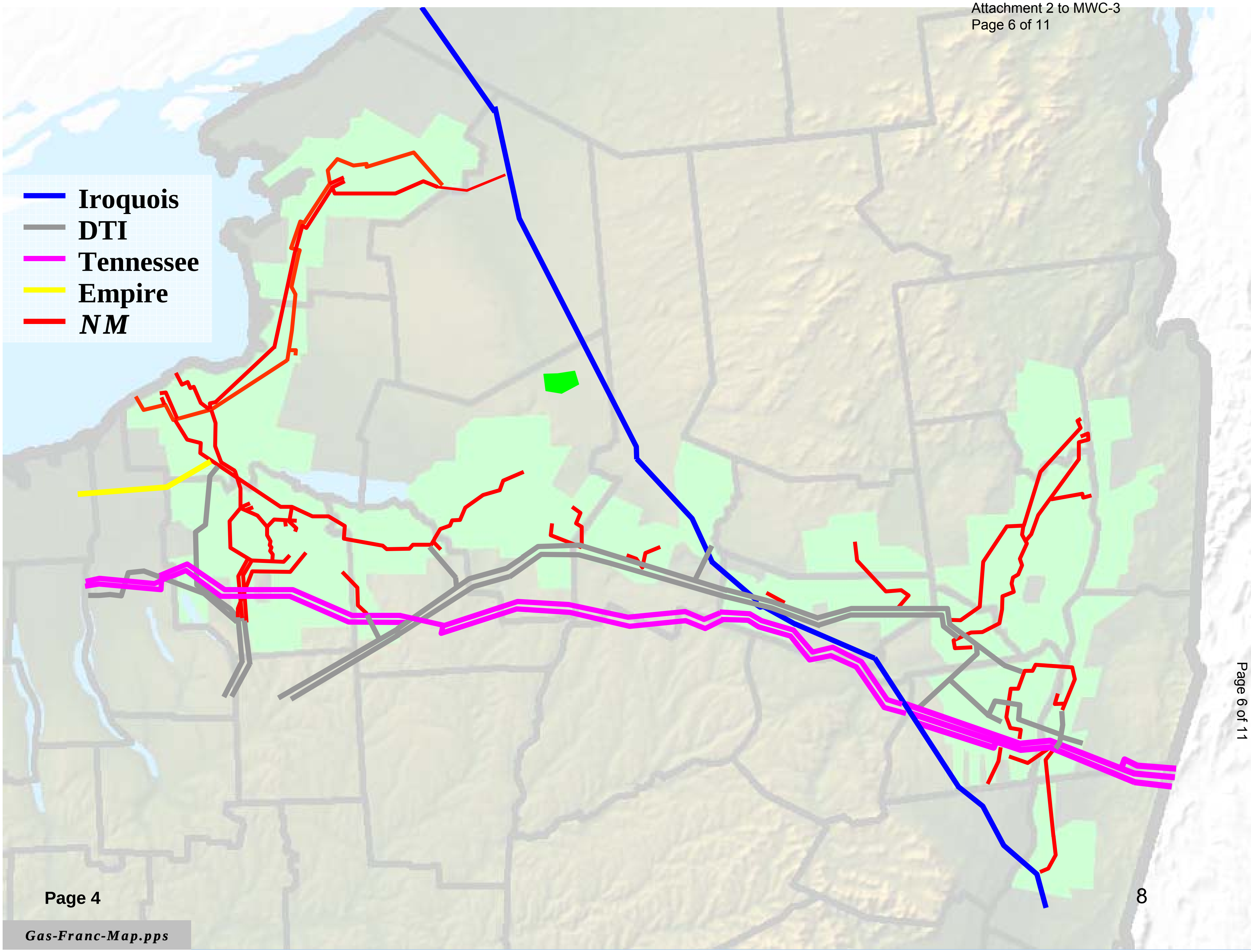


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# DTI Compressor replacement provides unique opportunity

- **In an Open Season conducted in August of 2005 NM requested**
  - Maintain East Gate MDDO but eliminate NM delivery obligation to Canajoharie
  - Incremental 20,000 dt/day service to East Gates
- **DTI must replace Borger Station compressor to meet air quality standards**
  - Replace existing 5,800 hp unit with 6,300 hp Centaur 50 unit
  - Total Cost: $14.1 million (based on engineering estimates)
  - No effect on Niagara Mohawk rates or contract quantities
- **Upgrade Opportunity**
  - Replace existing unit with 10,130 hp Solar Taurus 70 unit (derated to 9,000 hp)
  - Additional horsepower adds capacity sufficient to meet either of NM's August 2005 requests above, but not both
  - Total Cost: $18.6 million
  - Incremental Cost: $4.5 million
  - Scheduled completion: November 1, 2010
- **Rate Comparison**
  - Rates do not include surcharges

| | System | Incremental |
|---|---|---|
| Demand ($/Dt-mo.) | $3.882 | $4.045 |
| 100% LF ($/dt) | $0.1276 | $0.133 |

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# Contract and Rate Alternatives

1. **Maintain East Gate MDDO without delivery of 20,000 DT/d to Canajoharie**
   - Include upgrade costs in existing FTNN contract
   - Likely results in a negotiated rate
   - Any capacity releases would be limited to the max. system recourse rate causing stranded costs
   - 15 year term on entire FTNN contract to ensure cost recovery
   - Negotiated rate would depend upon the billing determinants over which the costs were spread (e.g. 20,000 dt/d, 40,000 dt/d, the entire FTNN contract)
   - Canajoharie receipt point moved to Leidy; Delivery Point - Schenectady

2. **Incremental 20,000 Dt/d**
   - Separate 20,000 Dt/d FTNN contract
   - incremental rate (approximately $4.045/dt/month)
   - 15 year term (DTI requirement to ensure cost recovery)
   - Receipt point – Leidy; Delivery Point- Schenectady

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# Planned Next Steps

## Contract for Incremental 20,000 Dt/d

- Meets forecast Albany area growth
- Can be used to meet existing city gate delivery shortfall if Albany growth does not materialize
- Minimizes 15 yr commitment (20,000 Dt/d vs. 350,000 Dt/d)
- Canajoharie receipt point requirement has been satisfied with low demand charge peaking supply

## Next Steps

- Finalize costs
- Execute contract

Niagara Mohawk Power Corporation
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# References

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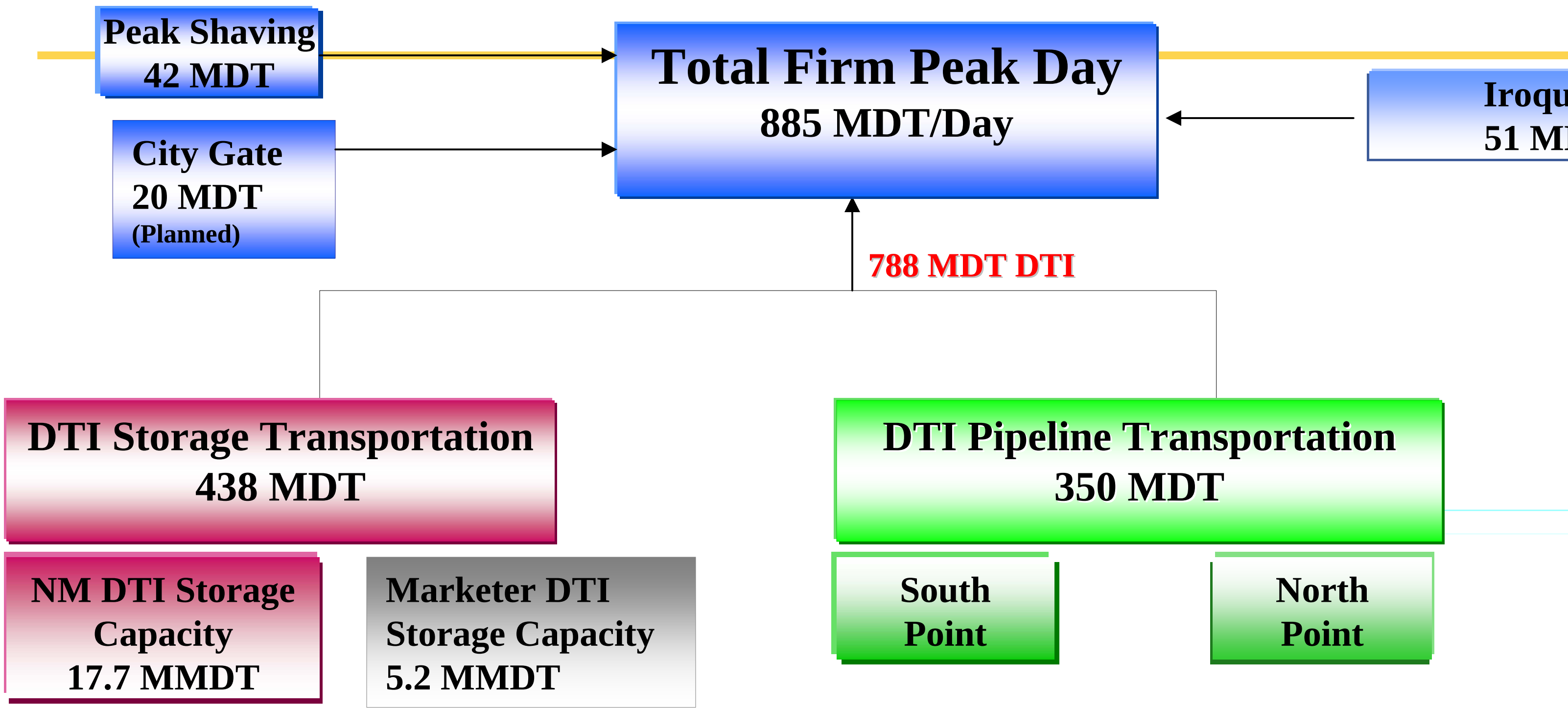
# NM City GateStorage & Pipeline Capacity

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# National Grid
# Incremental DTI Deliveries to the East Gate

## Follow-up to November 19, 2007 PSC Staff Presentation

Niagara Mohawk Power Corporation
d/b/a National Grid
Case 12-G-0202
Attachment 3 to MWC-3
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# Incremental DTI Capacity to Albany Area

- **Purpose – Respond to questions raised during November 19, 2007 presentation on National Grid's plan to increase deliveries to the East Gate by 20 MDT per day**
  - Albany growth projections
  - Fort Drum growth impact
  - Limits to benefit derived from single compressor upgrade

Niagara Mohawk Power Corporation
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Case 12-G-0202
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# Albany Gas Demand

- **Current Albany area demand close to supply capacity limits**
  - Design day forecast load (including IPP peak shaving capacity) is 98% of DTI's Maximum Daily Delivery Obligation (MDDO)
  - Forecast peak hour flow rate exceeds DTI's hourly OFO limit requiring peak shaving to comply
- **Albany area demand forecast to grow**
  - Albany area has household addition rate of 3-4,000 per year
    - approximately 1DT/d of design day load per household or 1% growth annually
  - Anticipated additional future firm load growth driven by computer chip manufacturing and nano-technology expansions in Albany area

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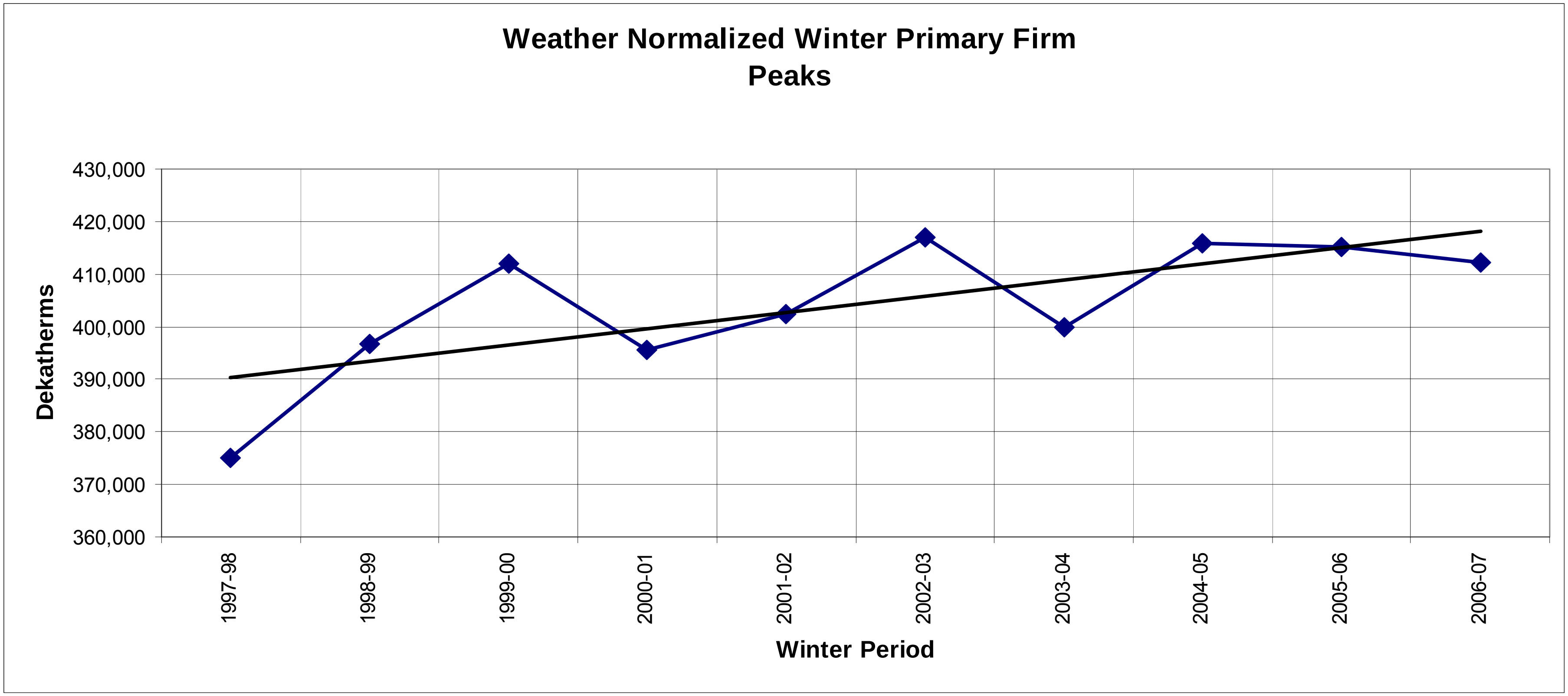
# Albany Gas Demand

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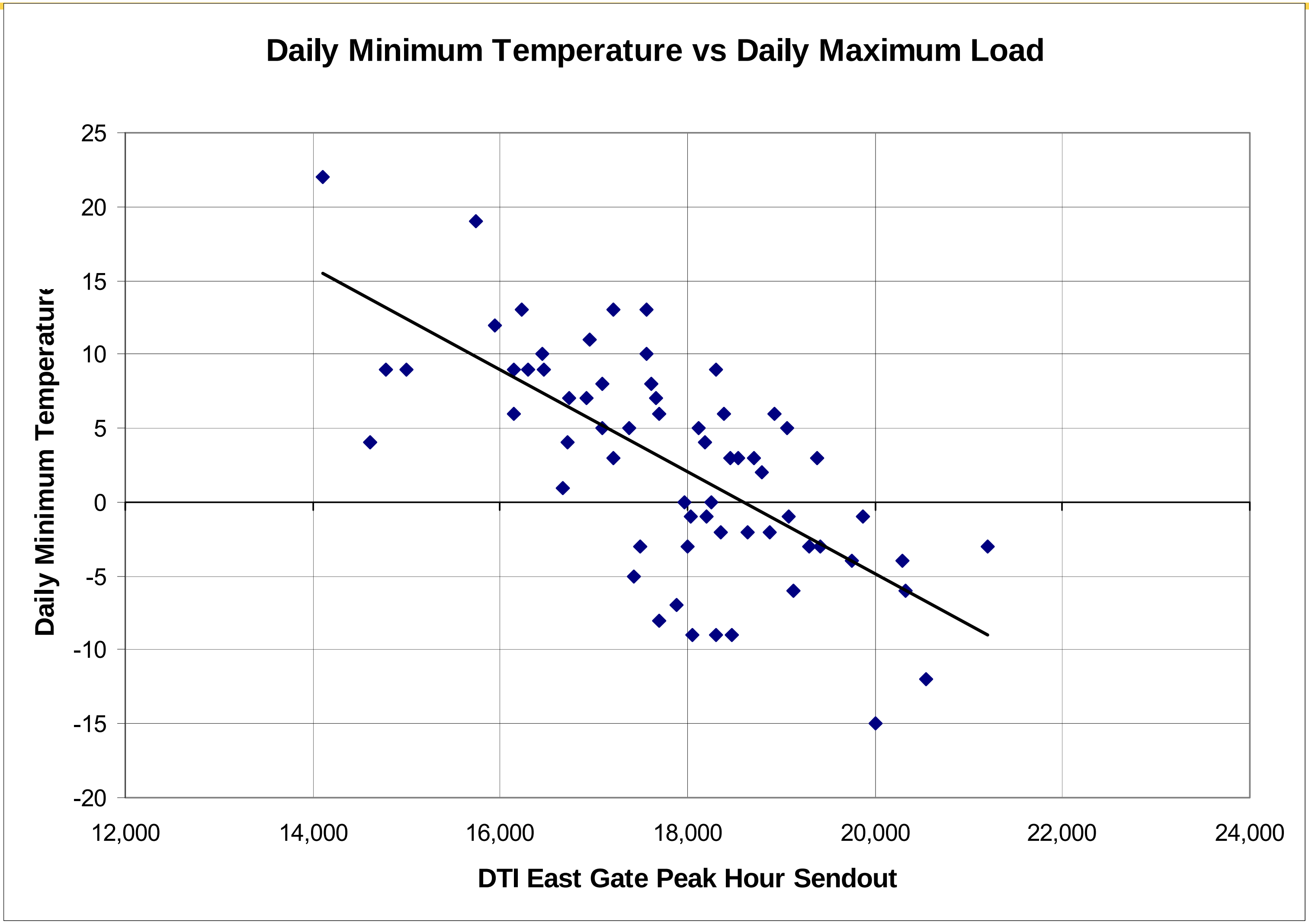
# Albany Gas Demand

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# Fort Drum (Croghan) Gas Demand

- Currently, on non-critical winter days 20,000 DT/d of Iroquois supply has been routed past the primary delivery point at Croghan, NY to DTI at Canajoharie, NY.
  - DTI's maximum daily delivery obligation (MDDO) to NG in Albany is reduced by the difference between 20,000 and the actual deliveries at Canajoharie. (e.g. 15,000 Dt/d delivered at Canajoharie, MDDO reduced by 5,000 Dt/d)
- Load growth associated with the expansion of the Army's Fort Drum is beginning to limit the number of days and the quantity of gas that can be routed past Croghan to Canajoharie
- Gas Control has reported that "the Croghan Gate station has experienced lower gas pressures this winter and last winter than in past history. These lower pressures have raised concerns on our ability to maintain system reliability…"
- Gas Control has reported that the usage in the Watertown area was increased dramatically due to the Fort Drum expansion. Bringing additional gas supply when needed will help maintain system integrity on the pipeline system in the Watertown area.
- NG has a peaking supply contract to maintain deliveries up to 20,000 Dt/d at Canajorharie in the event more gas is delivered to Croghan, but the gas costs are high when called upon (Iroquois, Zone 2)

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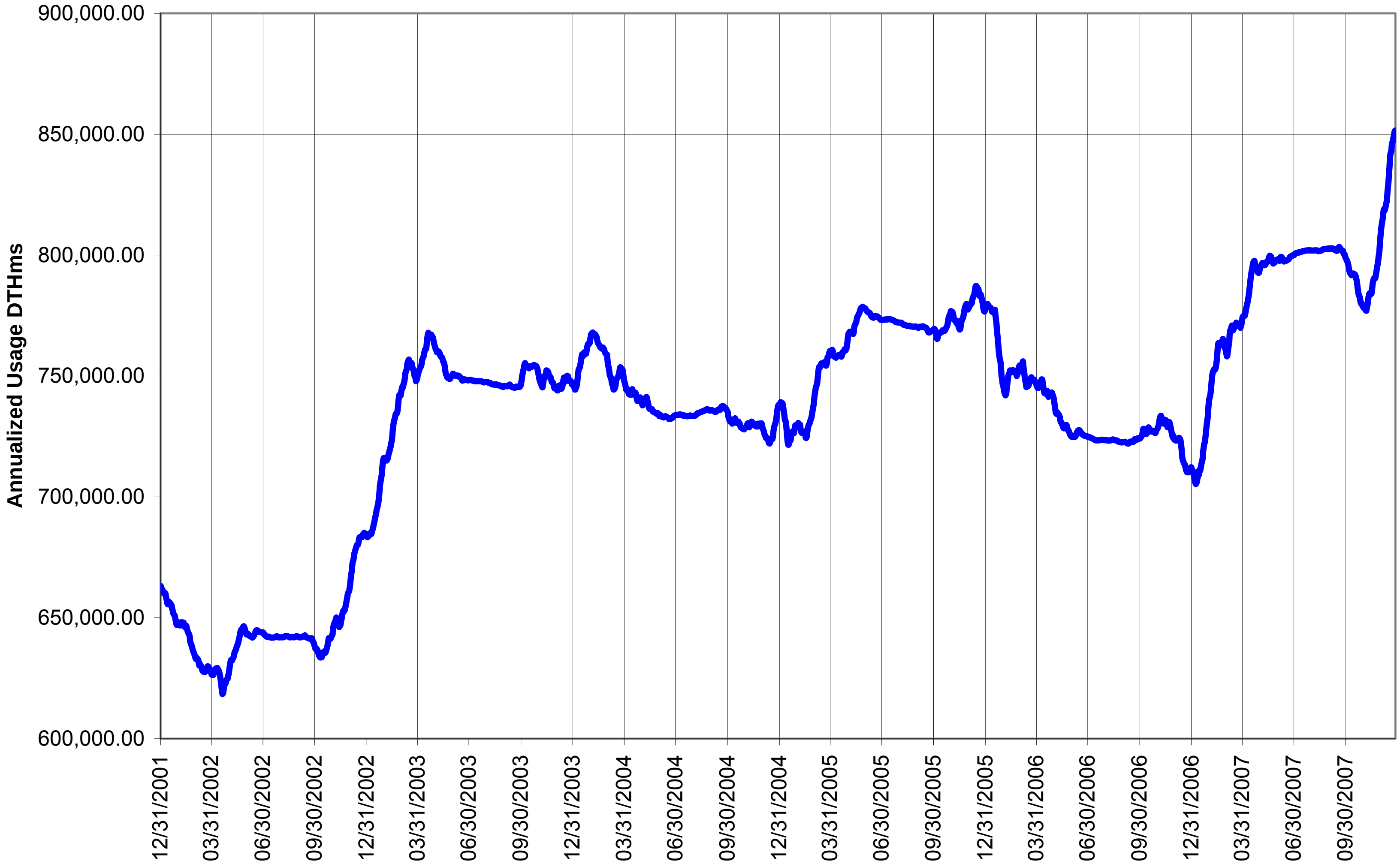
# Fort Drum Data

Fort Drum Metered Usage

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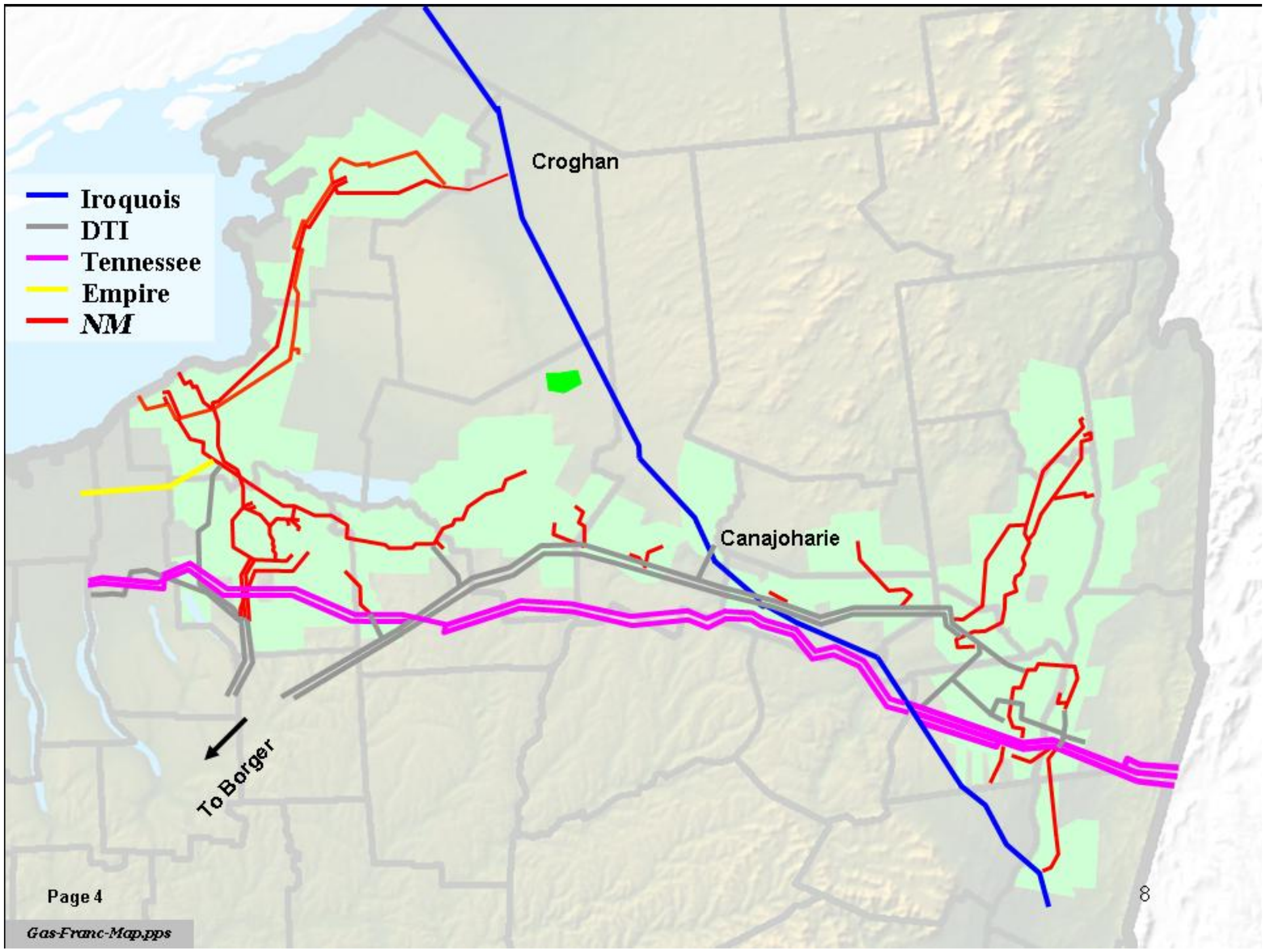


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# DTI Compressor replacement provides unique opportunity

- **In an Open Season conducted in August of 2005 NM requested**
  - Maintain East Gate MDDO but eliminate NM delivery obligation to Canajoharie
  - Incremental 20,000 dt/day service to East Gate
- **DTI must replace Borger Station compressor to meet air quality standards**
  - Replace existing 5,800 hp unit with 6,300 hp Centaur 50 unit
  - Total Cost: $17 million (based on engineering estimates)
  - No effect on Niagara Mohawk rates or contract quantities
- **Upgrade Opportunity**
  - Replace existing unit with 9,000 hp unit instead of the planned 6,300 hp unit
  - Additional horsepower adds capacity sufficient to meet either of NM's August 2005 requests above, but not both
  - Total Cost: $21.6 million
  - Incremental Cost: $4.6 million
  - Scheduled completion: November 1, 2010
- **Rate Comparison**
  - Rates do not include surcharges

| | System | Incremental |
|---|---|---|
| Demand ($/Dt-mo.) | $3.882 | $4.252 |
| 100% LF ($/dt) | $0.1276 | $0.1398 |

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# Alternatives

1. **Maintain East Gate MDDO without delivery of 20,000 DT/d to Canajoharie**
   - Current DTI contract MDDO predicated on NG North Point receipts from higher pressure Iroquois Pipeline at Canajoharie to increase pressure on DTI system
   - Increased compression at Borger accomplishes required pressure increase allowing equal receipts at an alternative North Point (Leidy)
   - Total receipt entitlements (and deliveries) remain the same as the current contract (see table)
   - Would not increase total deliveries to Albany (MDDO remains the same)
   - Would eliminate the need for the current Canajoharie peaking service demand charges and exposure to Iroquois Zone 2 gas prices when called upon

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# Alternatives

## 2. Incremental 20,000 Dt/d

- Maintain receipts at Canajoharie and the pressure increase they provide to support existing DTI MDDO
- Add new contract for incremental 20,000 Dt/d receipts (and deliveries)
- Increased compression at Borger allows delivery to Albany of incremental receipts
- Total receipt entitlements (and deliveries) increase by 20,000 Dt/d from current contract (see table)
- Albany MDDO increased by 20,000 Dt/d allowing growth
- If Albany growth zero or less than 20,000, remaining incremental capacity would replace current city gate capacity purchase or a portion of the Canajoharie peaking supply

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# Receipt Point Table

| Receipt Point Name | Current Entitlement | Eliminate Canajoharie Obligation | Incremental Albany Deliveries |
|---|---|---|---|
| ****** South Point Total *** | **286,726** | **286,726** | **286,726** |
| Cornwell | 49,316 | 49,316 | 49,316 |
| Gilmore | 19,727 | 19,727 | 19,727 |
| Lebanon | 51,004 | 51,004 | 51,004 |
| OakFord | 125,679 | 125,679 | 125,679 |
| Petersburg | 41,000 | 41,000 | 41,000 |
| South Point | 0 | 0 | 0 |
| ****** North Point Total *** | **63,396** | **63,396** | **63,396** |
| Canajoharie | 20,000 | 0 | 20,000 |
| Ellisburg | 20,680 | 20,680 | 20,680 |
| Leidy | 12,716 | 32,716 | 32,716 |
| Yawger Road | 10,000 | 10,000 | 10,000 |
| North Point | 0 | 0 | 0 |
| | **350,122** | **350,122** | **370,122** |

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# Plans

- **Enter binding precedent agreement with DTI for incremental deliveries at Niagara Mohawk's East Gate**
    - 20,000 Dt/d
    - Year-round service
    - 15 year term

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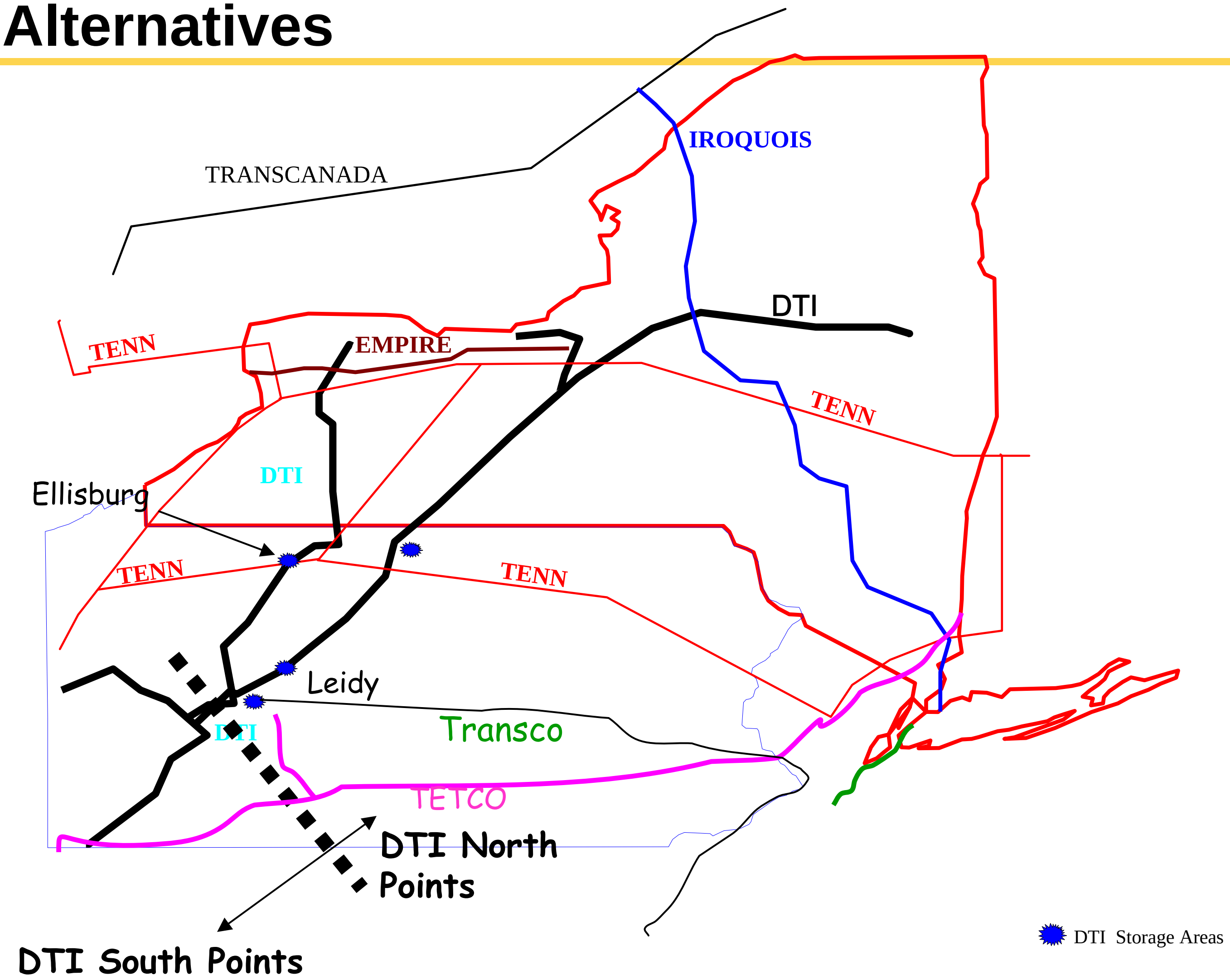
# Supply Alternatives




Pipelines Serving NYS.PR4

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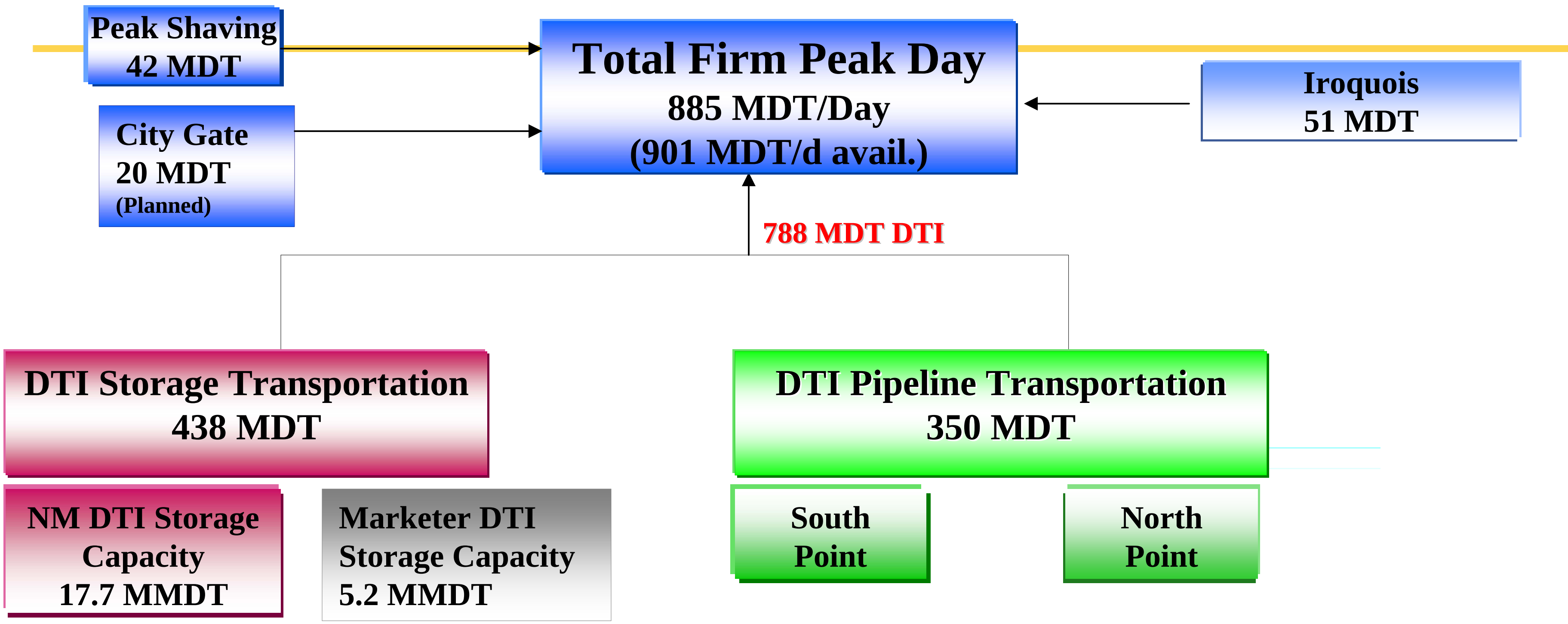
# NM City GateStorage & Pipeline Capacity

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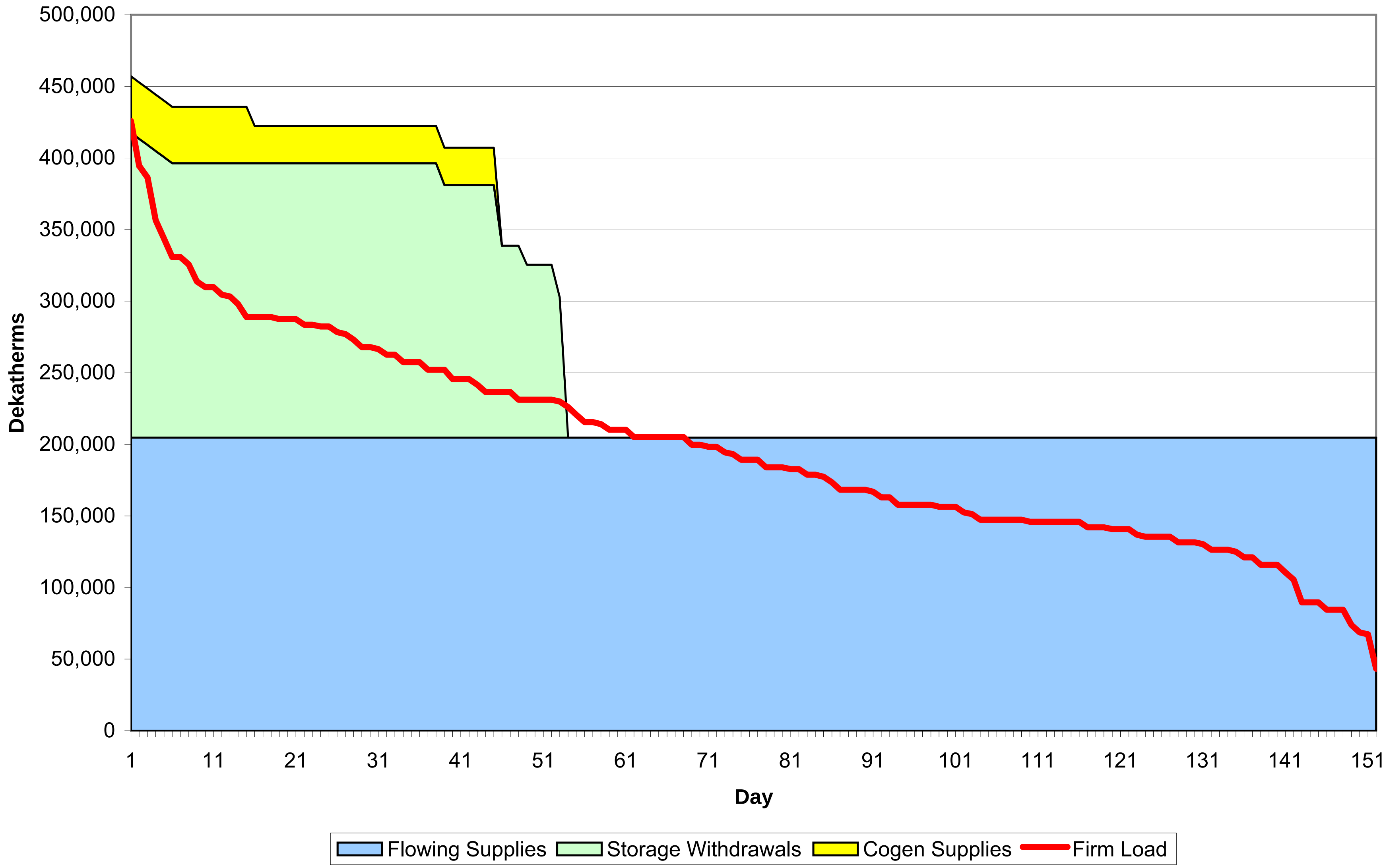
## NMPC East Load Duration Curve 2011-12 (Test Year Winter)

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