UNION GAS LIMITED

Undertaking of Union Gas <u>To Industrial Gas Users Association ("IGUA")</u>

| For Tables 1, 2 and 3, move line 8 up into the first group and recalculate lines 19 to 22. | |
|--|--|
| Please see attached tables. | |

Question: April 8, 2008 Answer: April 10, 2008

Table 1 IGUA Request Impact of Tax Changes on Union Gas without Anticipatory Effects

| Line | | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | <u>2011</u> (d) | 2012 (e) |
|------|---|------------------------------|--------------------|-------------|-------------|--------------------|-------------|
| No. | Tax Change Impact on GDP IPI FDD | | (α) | (5) | (0) | (α) | (0) |
| 1 | 2000-2001 | | -0.02% | -0.02% | -0.02% | -0.01% | 0.00% |
| 2 | 2001-2002 | | -0.05% | -0.04% | -0.03% | -0.03% | -0.02% |
| 3 | 2002-2003 | | -0.01% | 0.00% | 0.00% | 0.00% | 0.00% |
| 4 | 2003-2004 | | -0.07% | -0.05% | -0.04% | -0.03% | -0.03% |
| 5 | 2004-2005 | | -0.02% | -0.02% | -0.01% | -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.08% | -0.11% | -0.09% | -0.07% | -0.06% |
| 7 | 2006-2007 | _ | -0.24% | -0.21% | -0.28% | -0.24% | -0.19% |
| 8 | 2000-2007 Tax Changes | | -0.48% | -0.45% | -0.48% | -0.40% | -0.31% |
| 9 | 2007-2008 | | | -0.42% | -0.10% | -0.13% | -0.11% |
| 10 | 2008-2009 | | | | 0.00% | -0.02% | -0.03% |
| 11 | 2009-2010 | | | | | -0.01% | -0.03% |
| 12 | 2010-2011 | _ | | | | | -0.01% |
| 14 | 2007-2011 Tax Changes | | 0.00% | -0.42% | -0.10% | -0.15% | -0.18% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.48% | -0.87% | -0.58% | -0.56% | -0.49% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | ax Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | <u>ge</u> | | | | | |
| | 2007-2011 Tax Changes: | | | | | | |
| 19 | Price Change Impact (\$ millions) | L14 * L16 | 0.00 | -3.67 | -0.89 | -1.35 | -1.55 |
| 20 | Annual Rate Impact (\$ millions) | From L19 | 0.00 | -3.67 | -4.55 | -5.90 | -7.45 |
| 21 | Cumulative Rate Impact (\$ millions) | From L20 | 0.00 | -3.67 | -8.22 | -14.13 | -21.58 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -14.67 | -26.87 | -42.52 | -58.93 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -4.20 | -7.60 | -5.10 | -4.88 | -4.27 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -4.20 | -11.80 | -16.90 | -21.78 | -26.05 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -4.20 | -16.00 | -32.90 | -54.67 | -80.72 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -4.09 | -2.34 | -2.19 | -1.98 | 0.21 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation.

Question: April 8, 2008 Answer: April 10, 2008

Table 2
IGUA Request
Impact of Tax Changes on Union Gas with Anticipatory Effects

| Line | | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | <u>2011</u> (d) | <u>2012</u> (e) |
|------------|---|------------------------------|--------------------|------------------|----------------|--------------------|--------------------|
| <u>No.</u> | Tax Change Impact on GDP IPI FDD | | 0.000/ | 0.000/ | 0.000/ | 0.000/ | 0.000/ |
| 1 | 2000-2001 | | -0.02% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2 | 2001-2002 2002-2003 | | -0.06% -0.01% | -0.05% -0.01% | 0.00% 0.00% | 0.00% 0.00% | 0.00% 0.00% |
| 3 4 | 2002-2003 | | -0.01% | -0.01% | -0.05% | -0.04% | 0.00% |
| 5 | 2004-2005 | | -0.03% | -0.02% | -0.03% | -0.04 % -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.02 % | -0.13% | -0.11% | -0.01% | -0.01% |
| 7 | 2006-2007 | | -0.10% | -0.26% | -0.11% | -0.30% | -0.23% |
| 8 | 2000-2007 2000-2007 Tax Changes | - | -0.55% | -0.53% | -0.53% | -0.44% | -0.2376 |
| | 2000 2007 Tax Onlanges | | 0.0070 | 0.0070 | 0.0070 | 0.4470 | 0.0170 |
| 9 | 2007-2008 | | | -0.42% | -0.12% | -0.16% | -0.14% |
| 10 | 2008-2009 | | | | 0.00% | -0.02% | -0.03% |
| 11 | 2009-2010 | | | | | -0.01% | -0.04% |
| 12 | 2010-2011 | - | 0.000/ | 0.420/ | -0.12% | 0.400/ | -0.01% |
| 14 | 2007-2011 Tax Changes | | 0.00% | -0.42% | -0.12% | -0.19% | -0.22% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.55% | -0.96% | -0.66% | -0.63% | -0.53% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | ax Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | ge | | | | | |
| | 2007-2011 Tax Changes: | | | | | | |
| 19 | Price Change Impact (\$ millions) | L14 * L16 | 0.00 | -3.71 | -1.09 | -1.66 | -1.91 |
| 20 | Annual Rate Impact (\$ millions) | From L19 | 0.00 | -3.71 | -4.80 | -6.46 | -8.37 |
| 21 | Cumulative Rate Impact (\$ millions) | From L20 | 0.00 | -3.71 | -8.51 | -14.97 | -23.34 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -14.63 | -26.58 | -41.68 | -57.17 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -4.77 | -8.36 | -5.75 | -5.52 | -4.64 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -4.77 | -13.13 | -18.88 | -24.40 | -29.04 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -4.77 | -17.89 | -36.77 | -61.17 | -90.21 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -3.52 | -0.45 | 1.68 | 4.52 | 9.70 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation.

Question: April 8, 2008 Answer: April 10, 2008

Table 3
IGUA Request
Impact of Tax Changes on Union Gas without Anticipatory Effects and with Longer Lags

| Line <u>No.</u> | Tax Change Impact on GDP IPI FDD | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | 2011 (d) | <u>2012</u> (e) |
|--------------------|---|------------------------------|--------------------|-------------|-------------|-------------|--------------------|
| 1 1 | 2000-2001 | | -0.02% | -0.02% | -0.01% | -0.01% | -0.01% |
| 2 | 2001-2001 | | -0.02% | -0.02 % | -0.01% | -0.01% | -0.01% |
| 3 | 2002-2003 | | -0.01% | 0.00% | 0.00% | 0.00% | 0.00% |
| 4 | 2003-2004 | | -0.06% | -0.05% | -0.04% | -0.03% | -0.03% |
| 5 | 2004-2005 | | -0.02% | -0.01% | -0.01% | -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.07% | -0.10% | -0.08% | -0.06% | -0.05% |
| 7 | 2006-2007 | | -0.24% | -0.19% | -0.26% | -0.22% | -0.17% |
| 8 | 2000-2007 Tax Changes | - | -0.45% | -0.41% | -0.43% | -0.36% | -0.29% |
| | | | | | | | |
| 9 | 2007-2008 | | | -0.42% | -0.09% | -0.12% | -0.10% |
| 10 | 2008-2009 | | | | 0.00% | -0.02% | -0.02% |
| 11 | 2009-2010 | | | | | -0.01% | -0.03% |
| 12 | 2010-2011 | _ | | | | | -0.01% |
| 14 | 2007-2011 Tax Changes | | 0.00% | -0.42% | -0.09% | -0.14% | -0.16% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.45% | -0.82% | -0.53% | -0.50% | -0.45% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | ax Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | <u>ge</u> | | | | | |
| | 2007-2011 Tax Changes: | | | | | | |
| 19 | Price Change Impact (\$ millions) | L14 * L16 | 0.00 | -3.65 | -0.80 | -1.22 | -1.40 |
| 20 | Annual Rate Impact (\$ millions) | From L19 | 0.00 | -3.65 | -4.45 | -5.66 | -7.06 |
| 21 | Cumulative Rate Impact (\$ millions) | From L20 | 0.00 | -3.65 | -8.10 | -13.76 | -20.82 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -14.69 | -26.99 | -42.89 | -59.69 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -3.96 | -7.19 | -4.59 | -4.39 | -3.94 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -3.96 | -11.14 | -15.73 | -20.13 | -24.06 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -3.96 | -15.10 | -30.83 | -50.96 | -75.03 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -4.33 | -3.24 | -4.26 | -5.69 | -5.48 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation.

Question: April 8, 2008 Answer: April 10, 2008

Exhibit ____ Page 1 of 4

UNION GAS LIMITED

Undertaking of Union Gas To Schools Energy Coalition ("SEC")

| Produce the tables excluding everything prior to 2008 and GST. | |
|--|--|
| | |

The GST is a sales tax on consumption that is effective on final sales to consumers. For Union's customers, this means that households receive the full benefit of the recent 1% GST cut for any purchases made after January 1, 2008.

Although the GST cut does not affect core inflation, it does have a negative effect on the CPI (-0.6%) and on the GDPIPIFDD (-0.4%) for 2008.

For businesses, including Union, changes in the GST have little or no impact on their input costs because GST paid on inputs is fully credited. Thus, this aspect of the recent federal tax changes puts significant downward pressure on Union's rates through the operation of the price cap index but Union experiences no corresponding reduction in its costs.

Union's price cap for 2009 will be reduced by the effect of the GST on the GDPIPIFDD for 2008, households will receive a benefit over and above the amount of their 2008 GST reduction and Union's business customers will have a windfall benefit.

It is therefore important that the impact of GST reductions (or increases) on the GDPIPIFDD be taken into account when determining whether Z factor treatment is warranted.

Please see the attached tables from which the GST impacts have been removed, as requested.

Question: April 8, 2008 Answer: April 10, 2008

Table 1
Schools Request
Impact of Tax Changes on Union Gas without Anticipatory Effects

| Line | | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | <u>2011</u> (d) | 2012 (e) |
|----------|--|------------------------------|--------------------|----------------|----------------|--------------------|----------------|
| No. | Tax Change Impact on GDP IPI FDD | | (α) | (b) | (0) | (u) | (6) |
| 1 | 2000-2001 | | -0.02% | -0.02% | -0.02% | -0.01% | 0.00% |
| 2 | 2001-2002 | | -0.05% | -0.04% | -0.03% | -0.03% | -0.02% |
| 3 | 2002-2003 | | -0.01% | 0.00% | 0.00% | 0.00% | 0.00% |
| 4 | 2003-2004 | | -0.07% | -0.05% | -0.04% | -0.03% | -0.03% |
| 5 | 2004-2005 | | -0.02% | -0.02% | -0.01% | -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.08% | -0.11% | -0.09% | -0.07% | -0.06% |
| 7 | 2006-2007 | _ | -0.04% | -0.21% | -0.28% | -0.24% | -0.19% |
| 8 | 2000-2007 Tax Changes | | -0.28% | -0.45% | -0.48% | -0.40% | -0.31% |
| 9 | 2007-2008 | | | -0.02% | -0.10% | -0.13% | -0.11% |
| 10 | 2008-2009 | | | 0.0270 | 0.00% | -0.02% | -0.03% |
| 11 | 2009-2010 | | | | 0.0070 | -0.01% | -0.03% |
| 12 | 2010-2011 | | | | | 0.0.70 | -0.01% |
| 14 | 2007-2011 Tax Changes | _ | 0.00% | -0.02% | -0.10% | -0.15% | -0.18% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.28% | -0.47% | -0.58% | -0.56% | -0.49% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | av Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | <u>ge</u> | | | | | |
| | | | | | | | |
| 40 | 2007-2011 Tax Changes: | 144*140 | 0.00 | 0.47 | 0.00 | 4.05 | 4 55 |
| 19 | Price Change Impact (\$ millions) Annual Rate Impact (\$ millions) | L14 * L16 | 0.00 | -0.17 | -0.89 | -1.35 | -1.55 |
| 20 21 | Cumulative Rate Impact (\$ millions) | From L19 From L20 | 0.00 0.00 | -0.17 -0.17 | -1.06 -1.24 | -2.41 -3.65 | -3.96 -7.61 |
| 21 | Cumulative Nate Impact (\$ millions) | FIUIII LZU | 0.00 | -0.17 | -1.24 | -3.03 | -7.01 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -18.17 | -33.85 | -53.00 | -72.90 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -2.45 | -4.11 | -5.10 | -4.88 | -4.27 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -2.45 | -6.56 | -11.66 | -16.54 | -20.81 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -2.45 | -9.01 | -20.67 | -37.21 | -58.02 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -5.84 | -9.33 | -14.42 | -19.44 | -22.49 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation. GST impact of 0.2% removed from Line 7, Column (a) and of 0.4% removed from Line 9, Column (b)

Question: April 8, 2008 Answer: April 10, 2008

Table 2
Schools Request
Impact of Tax Changes on Union Gas with Anticipatory Effects

| Line | | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | <u>2011</u> (d) | 2012 (e) |
|------|---|------------------------------|--------------------|-------------|-------------|--------------------|-------------|
| No. | Tax Change Impact on GDP IPI FDD | | (α) | (5) | (0) | (α) | (0) |
| 1 | 2000-2001 | | -0.02% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2 | 2001-2002 | | -0.06% | -0.05% | 0.00% | 0.00% | 0.00% |
| 3 | 2002-2003 | | -0.01% | -0.01% | 0.00% | 0.00% | 0.00% |
| 4 | 2003-2004 | | -0.08% | -0.06% | -0.05% | -0.04% | 0.00% |
| 5 | 2004-2005 | | -0.02% | -0.02% | -0.01% | -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.10% | -0.13% | -0.11% | -0.09% | -0.07% |
| 7 | 2006-2007 | _ | -0.05% | -0.26% | -0.35% | -0.30% | -0.23% |
| 8 | 2000-2007 Tax Changes | | -0.35% | -0.53% | -0.53% | -0.44% | -0.31% |
| 9 | 2007-2008 | | | -0.02% | -0.12% | -0.16% | -0.14% |
| 10 | 2008-2009 | | | | 0.00% | -0.02% | -0.03% |
| 11 | 2009-2010 | | | | | -0.01% | -0.04% |
| 12 | 2010-2011 | _ | | | | | -0.01% |
| 14 | 2007-2011 Tax Changes | _ | 0.00% | -0.02% | -0.12% | -0.19% | -0.22% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.35% | -0.56% | -0.66% | -0.63% | -0.53% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | ax Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | <u>ge</u> | | | | | |
| | 2007-2011 Tax Changes: | | | | | | |
| 19 | Price Change Impact (\$ millions) | L14 * L16 | 0.00 | -0.21 | -1.09 | -1.66 | -1.91 |
| 20 | Annual Rate Impact (\$ millions) | From L19 | 0.00 | -0.21 | -1.31 | -2.97 | -4.88 |
| 21 | Cumulative Rate Impact (\$ millions) | From L20 | 0.00 | -0.21 | -1.52 | -4.49 | -9.37 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -18.13 | -33.57 | -52.16 | -71.14 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -3.02 | -4.87 | -5.75 | -5.52 | -4.64 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -3.02 | -7.89 | -13.64 | -19.16 | -23.80 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -3.02 | -10.91 | -24.55 | -43.71 | -67.51 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -5.27 | -7.43 | -10.54 | -12.94 | -13.00 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation. GST impact of 0.2% removed from Line 7, Column (a) and of 0.4% removed from Line 9, Column (b)

Question: April 8, 2008 Answer: April 10, 2008

Table 3
Schools Request
Impact of Tax Changes on Union Gas without Anticipatory Effects and with Longer Lags

| Line | | | <u>2008</u> (a) | 2009 (b) | 2010 (c) | <u>2011</u> (d) | 2012 (e) |
|----------|--|------------------------------|--------------------|----------------|----------------|--------------------|----------------|
| No. | Tax Change Impact on GDP IPI FDD | | (α) | (b) | (0) | (u) | (6) |
| 1 | 2000-2001 | | -0.02% | -0.02% | -0.01% | -0.01% | -0.01% |
| 2 | 2001-2002 | | -0.04% | -0.03% | -0.03% | -0.03% | -0.02% |
| 3 | 2002-2003 | | -0.01% | 0.00% | 0.00% | 0.00% | 0.00% |
| 4 | 2003-2004 | | -0.06% | -0.05% | -0.04% | -0.03% | -0.03% |
| 5 | 2004-2005 | | -0.02% | -0.01% | -0.01% | -0.01% | -0.01% |
| 6 | 2005-2006 | | -0.07% | -0.10% | -0.08% | -0.06% | -0.05% |
| 7 | 2006-2007 | _ | -0.04% | -0.19% | -0.26% | -0.22% | -0.17% |
| 8 | 2000-2007 Tax Changes | · | -0.25% | -0.41% | -0.43% | -0.36% | -0.29% |
| 9 | 2007-2008 | | | -0.02% | -0.09% | -0.12% | -0.10% |
| 10 | 2008-2009 | | | 0.0270 | 0.00% | -0.02% | -0.02% |
| 11 | 2009-2010 | | | | 0.0070 | -0.01% | -0.03% |
| 12 | 2010-2011 | | | | | 0.0.70 | -0.01% |
| 14 | 2007-2011 Tax Changes | _ | 0.00% | -0.02% | -0.09% | -0.14% | -0.16% |
| 15 | Total Tax Change Impact on GDP IPI FDD | L8 + L14 | -0.25% | -0.42% | -0.53% | -0.50% | -0.45% |
| 16 | Base Revenue Requirement (\$ millions) | Rate Order Working Papers | 873.20 | 873.20 | 873.20 | 873.20 | 873.20 |
| | Revenue Requirement Impact Associated with Ta | av Rate Change | | | | | |
| 17 | Tax Change Impact (\$ millions) | Exhibit E3.1.1 | -8.29 | -10.05 | -16.75 | -21.56 | -23.86 |
| 18 | Cumulative Tax Change Impact (\$ millions) | From L17 | -8.29 | -18.34 | -35.09 | -56.65 | -80.51 |
| | Rate Impact Associated with GDP IPI FDD Chan | <u>ge</u> | | | | | |
| | | | | | | | |
| 40 | 2007-2011 Tax Changes: | 144*140 | 0.00 | 0.40 | 0.00 | 4.00 | 4 40 |
| 19 | Price Change Impact (\$ millions) Annual Rate Impact (\$ millions) | L14 * L16 | 0.00 | -0.16 | -0.80 | -1.22 | -1.40 |
| 20 21 | Cumulative Rate Impact (\$ millions) | From L19 From L20 | 0.00 0.00 | -0.16 -0.16 | -0.95 -1.11 | -2.17 -3.28 | -3.57 -6.85 |
| 21 | Cumulative Nate Impact (\$ millions) | FIUIII LZU | 0.00 | -0.16 | -1.11 | -3.20 | -0.03 |
| 22 | Cumulative Difference (\$ millions) | L18 - L21 | -8.29 | -18.18 | -33.98 | -53.37 | -73.66 |
| | 2000-2011 Tax Changes: | | | | | | |
| 23 | Price Change Impact (\$ millions) | L15 * L16 | -2.21 | -3.70 | -4.59 | -4.39 | -3.94 |
| 24 | Annual Rate Impact (\$ millions) | From L23 | -2.21 | -5.91 | -10.49 | -14.89 | -18.82 |
| 25 | Cumulative Rate Impact (\$ millions) | From L24 | -2.21 | -8.11 | -18.61 | -33.50 | -52.32 |
| 26 | Cumulative Difference (\$ millions) | L18 - L25 | -6.08 | -10.23 | -16.48 | -23.15 | -28.19 |

Notes: Distributed lags apply to business taxes. GST impacts appear fully at the time of implementation. GST impact of 0.2% removed from Line 7, Column (a) and of 0.4% removed from Line 9, Column (b)

Question: April 8, 2008 Answer: April 10, 2008

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UNION GAS LIMITED

Undertaking of Union Gas <u>To Schools Energy Coalition ("SEC")</u>

| Provide the results of the sales tax study with the monetary policy response. |
|--|
| The run with the FOCUS Model that we used to derive the distributed lag weights for capital included a monetary response. There was no comparable run without a monetary response. |

Question: April 8, 2008 Answer: April 10, 2008