

CBG Example: Monthly Capacity Factor Liquidated Damages

| | | Source / Formula | Units | Dec 2000 | June 2002 |
|---|--|--|----------|----------------------|----------------------|
| | | | | [Record High Prices] | [Low Freshet Prices] |
| Computing Monthly Contracted Electricity | | | | | |
| Monthly Contracted Capacity [A] | | Hypothetical Input | MW | 30.0 | 30.0 |
| Hours in Month [B] | | Given | Hours | 744.0 | 720.0 |
| Force Majeure Hours in Month [C] | | Hypothetical Input | Hours | 4.0 | 4.0 |
| Transmission Constraint Hours in Month [D] | | Hypothetical Input | Hours | 2.0 | 2.0 |
| Planned Outage Hours in Month (non-winter only) [E] | | Hypothetical Input | Hours | - | 24.0 |
| Monthly Contracted Electricity [F] | | = A x (B - C - D - E) | MWh | 22,140 | 20,700 |
| Computing Monthly Delivered Energy | | | | | |
| Monthly Contracted Capacity [A] | | Hypothetical Input | MW | 30.0 | 30.0 |
| Monthly Contracted Shortfall [G] | | Hypothetical Input | MW | 10.0 | 10.0 |
| Monthly Delivered Electricity [H] | | = (A - G) x B | MWh | 14,880 | 14,400 |
| Computing Hourly Weighted Mid-C Index Price [US\$] | | | | | |
| Average Firm On-Peak Mid-C Index for Month [I] | | Historical Data | US\$/MWh | \$ 525.2 | \$ 9.4 |
| Average Firm Off-Peak Mid-C Index for Month [J] | | Historical Data | US\$/MWh | \$ 387.8 | \$ 4.2 |
| Average Firm Sunday and Holiday Mid-C Index for Month [K] | | Historical Data | US\$/MWh | \$ 602.5 | \$ 5.2 |
| On-Peak Hours in Month [L] | | Historical Data | Hours | 400.0 | 400.0 |
| Off-Peak Hours in Month [M] | | Historical Data | Hours | 200.0 | 200.0 |
| Sunday and Holiday Hours in Month [N] | | Historical Data | Hours | 144.0 | 120.0 |
| Hourly Weighted Mid-C Index Price [O] | | = $\frac{I \times L + J \times M + K \times N}{L + M + N}$ | US\$/MWh | \$ 503.2 | \$ 7.3 |
| Computing Delivery Adjusted Index Price [C\$] | | | | | |
| Hourly Wheeling Rate Mid-C to BC [Q] | | Input | US\$/MWh | \$ 3.58 | \$ 3.58 |
| Transmission Losses Mid-C to BC [R] | | Input | % | 1.9% | 1.9% |
| Ancillary Services Mid-C to BC [S] * | | Input | US\$/MWh | Included in [Q] | Included in [Q] |
| Other Transmission Charges Mid-C to BC [T] ** | | Input | US\$/MWh | \$ - | \$ - |
| Average Monthly Bank of B30Canada Exchange "noon rates" [U] | | Historical Data | C\$/US\$ | 1.524 | 1.532 |
| Delivery Adjusted Index Price [V] | | = $\frac{(O + Q + S + T) \times U}{(1 - R)}$ | C\$/MWh | \$ 787.5 | \$ 16.9 |
| Computing Monthly Capacity Factor Liquidated Damages | | | | | |
| CFT Adjusted Bid Price [W] *** | | Hypothetical Input | C\$/MWh | \$ 51.0 | \$ 51.0 |
| Liquidated Damage Factor [X] | | = Max(0, V - W) | C\$/MWh | \$ 736.5 | \$ 0.0 |
| Monthly Capacity Factor Liquidated Damages | | = ((90% x F) - H) x X | C\$ | \$ 3,716,571 | \$ 0.0 |