

## **ROAM INSIGHT ISSUE 12 ERRATA**

In January 2009 ROAM Consulting released ROAM Insight Issue 12. ROAM Insight is an annual publication incorporating a review of the past year's major electrical events and developments in the National Electricity Market, and a forecast of the market from 2008-09 to 2013-14.

Within the published report are over seventy (70) figures and over twenty (20) tables detailing modelling outcomes, depicting modelling assumptions, and describing market developments.

Since publishing the report ROAM has identified a number of minor inconsistencies and errors in the released version of the report, all related to descriptions of tables. This document identifies and addresses known errata of the report.

The errata are best read in accompaniment with the published ROAM Insight Issue 12 report, as this document will refer specifically to Tables, Figures and Sections of the ROAM Insight report.



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## ROAM INSIGHT 12 ERRATA SHEET

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### Erratum 1: Figure 5.3

<b>Description:</b>	<p>Figure 5.3 (Generator volumes in the NEM by generation type – difference between scenarios) describes the difference in generator volumes across all generator types (brown coal, black coal, CCGT etc.) between two modelled CPRS scenarios. In the published report, the vertical axis is labelled:</p> <p style="text-align: center;"><i>Generation difference (M-CPRS-15% - L-CPRS-5%) (GWh pa)</i></p> <p>This label should read as follows:</p> <p style="text-align: center;"><i>Generation difference (L-CPRS-15% - M-CPRS-5%) (GWh pa)</i></p> <p>That is, a positive difference (as shown by CCGT generators) describes an increase in generator volumes with the more onerous CPRS target (-15%), while a negative difference (as shown by coal generators) describes a loss of volume with the higher CPRS target.</p>
<b>Correction:</b>	<p>Vertical axis should read:</p> <p style="text-align: center;"><i>Generation difference (L-CPRS-15% - M-CPRS-5%) (GWh pa)</i></p>

### Erratum 2: Figure 5.4

<b>Description:</b>	<p>Figure 5.4 (Generator volumes in the NEM by generation type – difference between scenarios (as a % of generation in M-CPRS-5% scenario)) describes the difference in generator volumes across all generator types (brown coal, black coal, CCGT etc.) between two modelled CPRS scenarios as a percentage. In the published report, the vertical axis is labelled:</p> <p style="text-align: center;"><i>Generation difference (% change from CPRS-5% scenario)</i></p> <p>This label should read as follows:</p> <p style="text-align: center;"><i>Generation difference (% change from M-CPRS-5% scenario)</i></p>
<b>Correction:</b>	<p>Vertical axis should read:</p> <p style="text-align: center;"><i>Generation difference (% change from M-CPRS-5% scenario)</i></p>

**Erratum 3: Paragraph preceding Table 6.3**

<p><b>Description:</b></p>	<p>Section 6.1.4 details spot market revenues for NEM generators for the M-CPRS-5% scenario using two tables. The first table (Table 6.3) lists all spot market revenues on a 'per station, per year' basis in millions of dollars. The second table (Table 6.4) lists all spot market revenues on a 'per station, per year' basis in dollars per Megawatt-hour sent out.</p> <p>The paragraph preceding Table 6.3 states the following:</p> <p style="text-align: center;"><i>Revenues are shown net of emissions permit costs, since this is the most meaningful illustration of the impact of the CPRS on generator incomes</i></p> <p>Table 6.3 however shows <b>revenues inclusive of CPRS income</b>. That is, the figures within Table 6.3 do not exclude carbon emissions permit costs.</p> <p>Table 6.4 shows revenues (in \$/MWh terms) net of emissions permit costs, and is as described in the above paragraph.</p>
<p><b>Correction:</b></p>	<p>The reader <b>should be aware</b> that the two tables are showing alternative units of <i>different data</i>. The data is not incorrect however it is inconsistent; Table 6.3 shows revenues inclusive of emission permit costs while Table 6.4 shows revenues exclusive of emission permit costs.</p> <p>The reader may multiply the \$/MWh revenue by the annual generation (provided in Table 6.2) adjusting for generator auxiliary loads to determine the station revenue net of emissions permit costs. Note that Table 6.2 shows generation 'as generated' while Table 6.4 shows revenue (\$/MWh) 'sent out', so an adjustment for generator auxiliary loads is necessary.</p>

**Erratum 4: Paragraph preceding Table 6.9**

<b>Description:</b>	<p>Section 6.2.4 details spot market revenues for NEM generators for the L-CPRS-15% scenario using two tables. The first table (Table 6.9) lists all spot market revenues on a ‘per station, per year’ basis in millions of dollars. The second table (Table 6.10) lists all spot market revenues on a ‘per station, per year’ basis in dollars per Megawatt-hour sent out.</p> <p>The paragraph preceding Table 6.9 states the following:  <i>Revenues are shown net of emissions permit costs, since this is the most meaningful illustration of the impact of the CPRS on generator incomes</i></p> <p>Table 6.9 however shows <b>revenues inclusive of CPRS income</b>. That is, the figures within Table 6.9 do not exclude carbon emissions permit costs.</p> <p>Table 6.10 shows revenues (in \$/MWh terms) net of emissions permit costs, and is as described in the above paragraph.</p>
<b>Correction:</b>	<p>The reader <b>should be aware</b> that the two tables are showing alternative units of <i>different data</i>. The data is not incorrect however it is inconsistent; Table 6.9 shows revenues inclusive of emission permit costs while Table 6.10 shows revenues exclusive of emission permit costs.</p> <p>The reader may multiply the \$/MWh revenue by the annual generation (provided in Table 6.8) adjusting for generator auxiliary loads to determine the station revenue net of emissions permit costs. Note that Table 6.8 shows generation ‘as generated’ while Table 6.10 shows revenue (\$/MWh) ‘sent out’, so an adjustment for generator auxiliary loads is necessary.</p>

**Erratum 5: Figures D.1 and D.2**

<b>Description:</b>	<p>Appendix D shows the supply/demand balance (calculated using the NEMMCO supply/demand calculator) for each region in the NEM.</p> <p>Figure D.1 shows the supply/demand balance charts for each NEM region for Scenario M-CPRS-5% while Figure D.2 shows the supply/demand balance charts for each NEM region for Scenario L-CPRS-15%.</p> <p>The charts are mislabelled. Figure D.1 in fact shows the L-CPRS-15% scenario while Figure D.2 shows the M-CPRS-5% scenario.</p>
<b>Correction:</b>	<p>Figure D.1 should be labelled:  <i>Supply and Demand Balance – L-CPRS-15% scenario</i></p> <p>Figure D.2 should be labelled:  <i>Supply and Demand Balance – M-CPRS-5% scenario</i></p>