

22 April 2008

File No: 4400-10

Letter Ref:

Catherine Moss
New Zealand Climate Change Office
P O Box 10362
WELLINGTON

Dear Catherine

ANNUAL REPORT PALMERSTON NORTH CITY COUNCIL – EMISSION REDUCTIONS

In accordance with schedule 4 of the Project Agreement between PNCC and the New Zealand Government the following is the Annual report for the year ending 31st December 2007.

(a) The total tCO₂-e Emission reductions calculated as occurring for the year ending 31st December 2007 was 24,828 tCO₂-e

(b) Total Nett emission reductions calculated to have occurred for the period of 1st January 2007 to 31st December 2007 was 21,577 tCO₂-e after taking into account total tonnes emitted during combustion.

*See email,
correct figure
22874*

(c) Total Generation for the period was 6.18GWh; taking into account on site usage and losses Nett export from the site was 2.8GWh which produced 1,677.91 tCO₂-e of displacement credits.

(d) Engine Efficiency was used to estimate emission reductions for the period of 1 January 2007 to 31 May 2007.

(e) Spreadsheet attached showing calculations

(d) Material impediments to achieving emission reductions – Nil

We were un-able to determine the quantity of emission reductions in accordance with the methodology of our project agreement for the period of 1st January – 30 June 2007 due to an incomplete data set.

CALCULATION OF NET EMISSION REDUCTIONS

Tonnes of CH₄ combusted by the project in 2007 – 1,182.31

tCO₂-e generated by the project in 2007 – 24,828

Tonnes of CO₂ emitted by project during combustion – 3,251

tCO₂-e used by/purchased by or introduced by the project estimated as follows;

- 619,564KWh electricity @ 600 tCO₂-e per GWh – 371.7 tCO₂-e
- 2000l petrol @ 0.002298 tCO₂-e/litre – 4.6 tCO₂-e
- 1500l diesel @ 0.002617 tCO₂-e/litre – 3.92 tCO₂-e

Total Nett emission reductions for the project during 2007 were therefore 26,505 tCO₂-e minus 3,631 tCO₂-e giving a Nett total of 22,874tCO₂-e.

Parameter	2006	2007	2008	2009	2010	2011	2012
Carbon Credits Awarded – NZ	29,750	29,695	29,641	29,586	29,531	29,476	30,772
Actual Emission Reductions	11'111	24,828					
Methane – Displacement Proposed	5,045	5,045	5,045	5,045	5,045	5,045	5,045
Methane – Displacement Actual	1'031	1,677					
Methane Generated		(3,251)					
tCO ₂ -e introduced		(380)					
Total	12,142	22,874					

If you have any queries or require further clarification please do not hesitate to give me a call.

Yours faithfully



PHILIP BURT
SERVICES ENGINEER – WATER & WASTE