



NoCO2 AUDIT REPORT: Alto Hotel FY2010 Annual Audit

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Executive Summary

The Carbon Reduction Institute (CRI) welcomed The Alto Hotel into the NoCO2 certification program in 2009. In doing so, CRI undertook an audit of the greenhouse gas (GHG) emissions produced from the operations of The Alto Hotel during FY2008 (2007/08 audit period) for the purpose of reducing and offsetting these emissions.

In an agreement with the Alto Hotel, emissions from the Hotels activities in FY2010 (2009/10 audit period) have been extrapolated for FY2008. This report therefore compares the emissions generated in FY2008 and FY2010, taking into consideration emissions that have been offset by outside services.

The following report compares the emissions sources for The Alto Hotel for the FY2008 and FY2010, as calculated by CRI. The initial audit considered all GHG emissions sources within the boundaries outlined in the NoCO2 program over a one year period. As part of the certification process, CRI will monitor and report the continuing emissions of The Alto Hotel annually. This enables The Alto Hotel to continue to maintain a zero greenhouse gas emissions position.

It should be noted that the FY2008 and FY2010 results are not entirely equivalent as emissions will vary as with business growth and behavioural change. Furthermore different sources of emissions were offset for the different financial years. Similarly, CRI's assessment methodology continues to be refined and draws upon evolving resources for determining emissions. This audit found that The Alto Hotel produced the equivalent of **590.14 tonnes of CO₂e** which through the purchase of Green Earth Electricity was reduced to **382.10 tonnes of CO₂e**.

A direct comparison of the emissions by source for FY2008 and FY2010 is shown overleaf. Sources of emissions which have been offset with service providers in FY2008 included; flights, gas, fuel consumed and electricity. In accordance with the data supplied by the Alto Hotel to CRI, in FY2010 only emissions attributed to electricity consumption were offset.

Figure 1: Emissions Comparisons FY2008 and FY2010

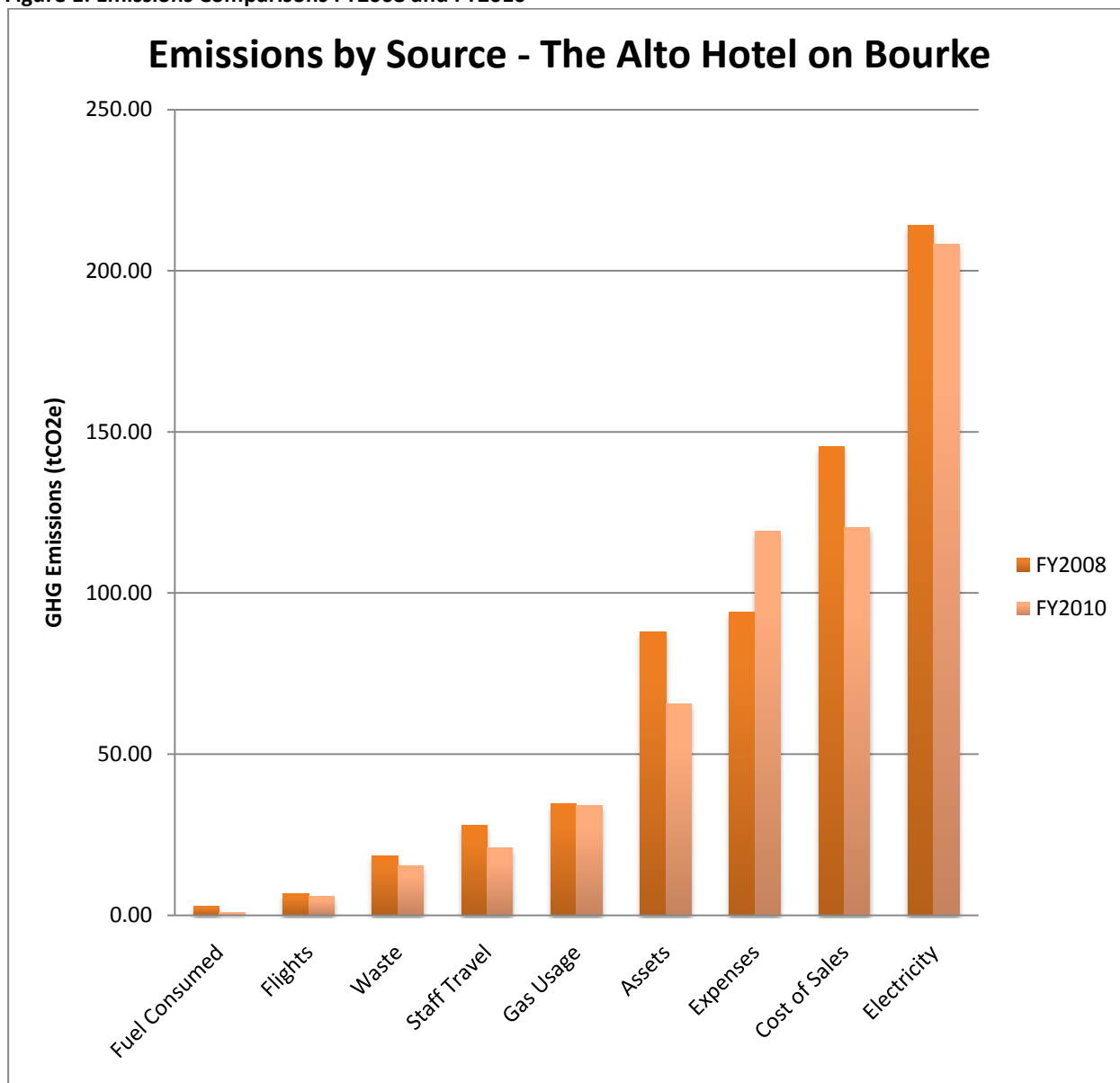


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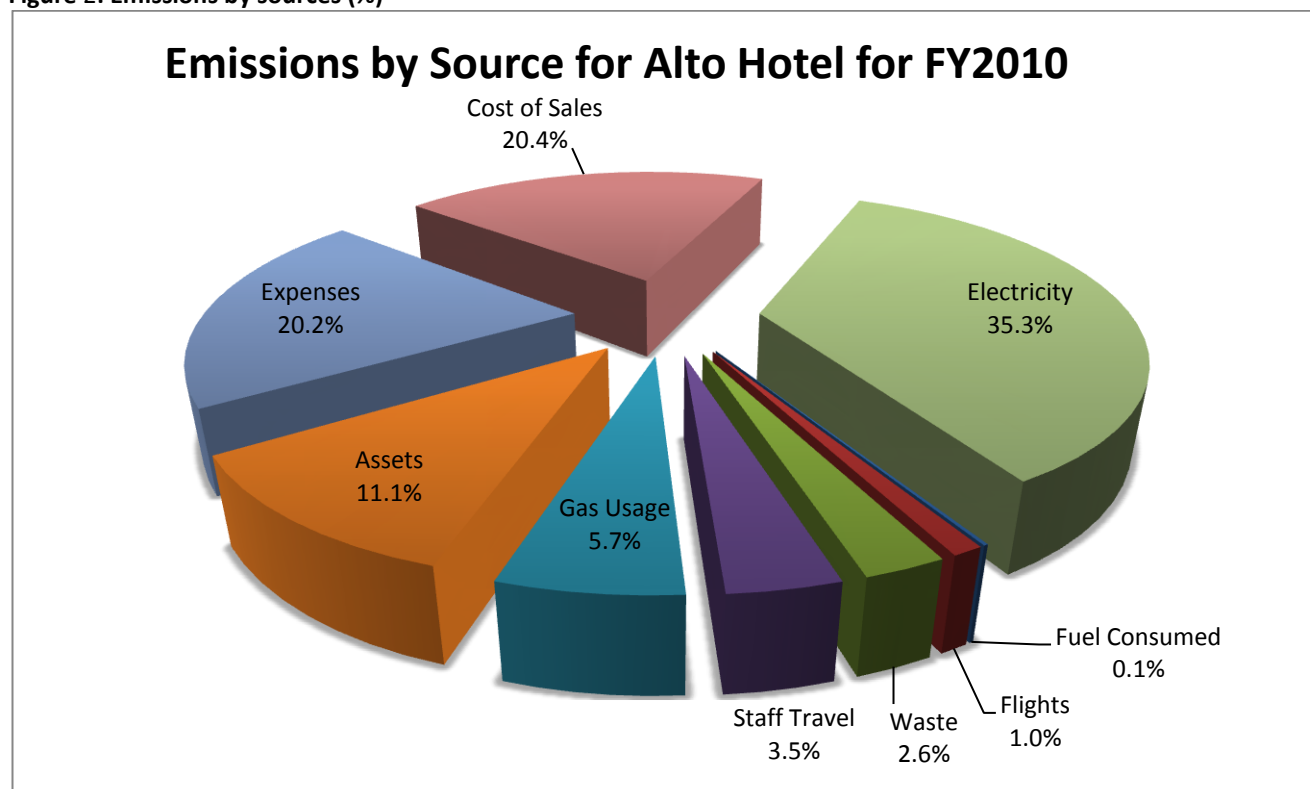
Audit Data

CRI collected data from The Alto Hotel to calculate their carbon footprint. The methodology used in calculating The Alto Hotel's emissions are provided as a separate document entitled "Greenhouse Accounting and Methodology Background". A comparison of the emissions in FY2008 and FY2010 is shown in Table 1 where sources of emissions offset with service providers are shown in green. Figure 2 shows a breakdown of the results from the FY2010 audit.

Table 1: Emissions by scope and source in 2007-08 and 2009-10

Scope	Emission Source	FY2008	FY2010	% Difference
Scope 1 & 3	Fuel Consumed	2.90	0.87	-70%
	Gas Usage	34.50	33.93	-2%
Scope 2 & 3	Electricity	214.12	208.13	-3%
Scope 3	Staff Travel	27.91	20.93	-25%
	Waste	18.33	15.44	-16%
	Assets	87.81	65.69	-25%
	Expenses	93.96	119.06	27%
	Cost of Sales	145.42	120.18	-17%
	Flights	6.79	5.90	-13%
	Total	631.73	590.14	-7%
	Total (Not including offset emissions)	373.43	382.10	2%

Figure 2: Emissions by sources (%)



Analysis of Data

This audit found that The Alto Hotel has decreased its overall footprint (including those offset with service providers) from **631.73 tonnes of CO₂-e** in FY2008 to **590.14 tonnes of CO₂-e** in FY2010, representing a decrease of 7% in greenhouse gas emissions.

Taking into account the emissions sources which The Alto Hotel has offset through service providers, the adjusted emissions impact (including only those emissions not previously offset) has increased by 2% from **373.43 tonnes of CO₂-e** in FY2008 to **382.10 tonnes of CO₂-e** in FY2010.

The reason for this increase is the difference between the percentages of overall emissions offset with service providers for each financial year. The extent of this difference is illustrated by the figures below. Whilst 41% of emissions were offset for FY2008 only 35% of emissions were offset for FY2010.

Figure 3: Percent of Emissions Offset Through Service Providers for FY2008

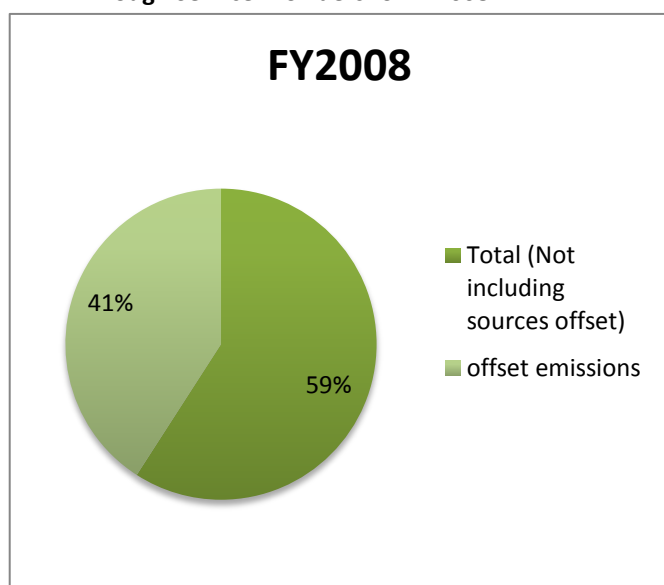
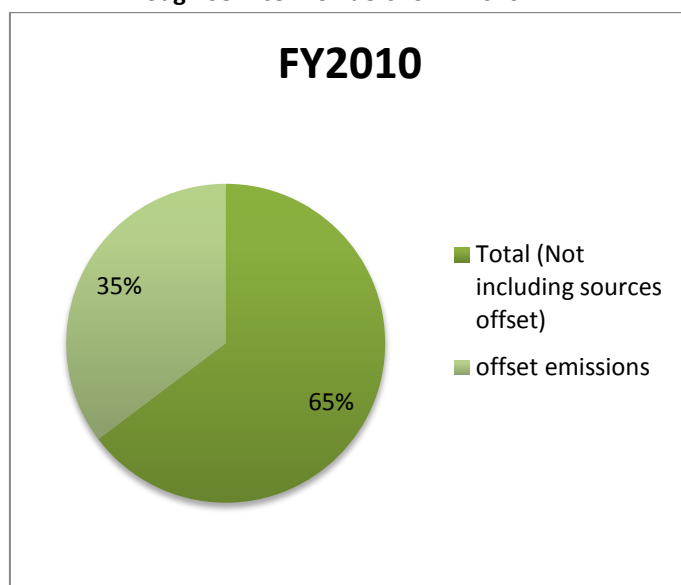


Figure 4: Percentage of Emissions Offset Through Service Providers for FY2010



An assessment of the variation of the Alto Hotel's footprint offset through service providers has been included in this report. This will aid in the comparison of the FY2008 and FY2010 carbon footprints as calculated by CRI.

Disregarding the fact that different sources of emissions were offset during the two different auditing periods, CRI has calculated the overall emissions impact of The Alto Hotel for both FY2008 and FY2010. This enables the changes in the Alto Hotel's emission portfolio to be quantified and compared.

As evidenced in this report, The Alto Hotel's embodied emissions associated with assets decreased by 25%, from 87.81 tCO₂-e in FY2008 to 65.69 tCO₂-e in FY2010. Emissions from flights remained relatively constant having decreased by an overall 13%. However, as flight emissions were not offset with service providers in FY2010, the 5.90 tCO₂-e attributed to air travel forms part of the Alto Hotel's footprint still required to be offset.

The Alto Hotel's GHG emissions associated with electricity usage decreased slightly from 214.12 tCO₂e in FY2008 to 208.13 tCO₂e in 2010. Emissions associated with electricity were offset with service providers during both financial years. As indicated in previous reports, the net amount of electricity The Alto Hotel requires can be controlled by user behaviours and energy efficiency measures. By educating staff and making customers and clients aware of their electricity use, it may be possible to further reduce electricity requirements.

The Staff Travel emissions from the previous audit have decreased by 25% from 27.91 tCO₂e in FY2008 to 20.93 tCO₂e in FY2010. Emissions from staff travel were determined using FY2010 as a base year and extrapolating the FY2008 equivalent with the number of staff employed during FY2008. CRI has refined the methodology of vehicle fuel consumption by increasing the nameplate fuel consumption (litres per 100km) rating of each vehicle category by 15% to take into account real life driving conditions, as per the UK Department of Environment, Food and Rural Affairs' guidelines in its 2008 GHG conversion factors.

Emissions attributed to Fuel Consumed were reduced considerably from 2.90 tCO₂e in FY2008 to 0.87 tCO₂e in FY2010, representing a 70% decrease in GHG emissions attributed to fuel consumption. Nonetheless, CRI encourages The Alto Hotel to take further steps in its emission reductions by choosing smaller and more fuel efficient vehicles where possible. CRI notes that the 1000L of diesel reported for FY2008 was offset with service providers and hence was not included in the Alto Hotel's emissions footprint. The data has been included in this report to allow for comparative analysis and does not affect the Alto Hotel's overall emissions impact.

Natural Gas combustion remained a significant source of GHG emissions for The Alto Hotel contributing 33.93 tCO₂e to the overall emissions impact. Emissions from gas combustion remained relatively constant over the two auditing periods with FY2010 deviating only 2% from 34.50 tCO₂e reported in FY2008. As emissions attributed to natural gas combustion are no longer offset through service providers, they will now be included in the Alto Hotel's carbon footprint remaining to be offset. Emissions from gas were reported as emissions from fuel consumed in the last audit period. For clarification, emissions from fuel and gas consumption have been accounted for separately in this report.

The Alto Hotel's overall emissions from waste decreased considerably from 18.33 tCO₂e in FY2008 to 15.44 tCO₂e in FY2010 due to a reduction in the amount of waste sent to landfill each week. In addition, it is worth noting that The Alto Hotel also recycles paper, hence minimising waste contributing to landfill.

The emissions generated from expenses were larger for FY2010, increasing by 27% from 93.96 tCO₂e to 119.06 tCO₂e. This can largely be attributed to an increase in The Alto Hotel's supply chain expenditure. Emissions from Cost of Sales have also been included in this audit and have contributed 120.18 tCO₂e to The Alto Hotel's overall emissions impact.

For future business expenses and purchases CRI recommends that The Alto Hotel asks its suppliers what action they are taking to avert dangerous climate change and whether they are implementing energy efficiency measures. If supply chain items are purchased from carbon neutral businesses such as those found within CRI's Low Carbon Economy (www.LowCO2.com.au), The Alto Hotel can grow while maintaining carbon neutrality and reduce the need to purchase offsets.

CRI refers to the Australian government *Balancing Act* report to calculate the emissions embodied in the goods and services that The Alto Hotel uses. The *Balancing Act* report provides the Greenhouse Gas emissions per dollar spent over 135 different industry sectors within the Australian economy. The methodology and data sets underpinning The Alto Hotel's greenhouse gas calculations for FY2010 can be found within the "Methodology for Re-Calculation of greenhouse gas inventory for NoCo2 Certified Clients" document, which can be provided on request.

Conclusion

This audit found that The Alto Hotel's FY2010 carbon footprint was **590.14 tonnes of CO₂e** which was reduced to **382.10 tonnes of CO₂e** through the purchase of Green Earth energy from the Hotel's electricity supplier. This represents an overall increase in emissions of 2% on the FY2008 total emissions of **631.73 tonnes of CO₂e** which was reduced to **373.43 tonnes of CO₂e** by the offsetting various emissions sources with service providers.

Whilst the majority of emissions sources decreased during FY2010, emissions associated with general expenditure increase by 27%. The overall increase in emissions for FY2010 was primarily due to the inclusion of emissions associated with the Cost of Sales in The Alto Hotel's expenditure. Emissions associated with purchased food and services contributed a total of 120.18 tCO₂e to the Alto Hotel's emissions impact. These emissions contribute a significant proportion of The Alto Hotel's emissions impact and as such must be included in the Hotel's overall emissions footprint.

Fewer emission sources have been offset through service providers in FY2010. Therefore, the total amount of emissions which still remain to be offset for FY2010 exceeds that for FY2008.

The goal of this auditing process is to quantify the total tonnage required to be offset for The Alto Hotel to achieve carbon neutrality, and as such is unaffected by the quantity of emissions already offset by service providers. CRI commends The Alto Hotel's commitment to offsetting the emissions impact associated with the Hotel's operation.

CRI recommends that The Alto Hotel continue to pursue opportunities for reductions through energy efficiency measures, travel choice, staff behaviour, and supply chain purchases within CRI's Low Carbon Economy (www.LowCO2.com.au). Such action will not only aid in the mitigation of climate change but lower carbon offset purchases required to maintain a carbon neutral status.

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Appendix

The methodology and data sets underpinning The Alto Hotel's greenhouse gas calculations for FY2010 can be found within the "Methodology for Re-Calculation of greenhouse gas inventory for NoCo2 Certified Clients".

The data and calculations performed for this audit are presented in the following tables and a reference to the background document for each section is provided to provide an explanation on the calculation undertaken.

A copy of this document has been sent to The Alto Hotel with this reassessment report.

Waste

The calculation methodology for The Alto Hotel's emissions for waste sent to landfill, shown below, can be found on page 5 of Methodology for Re-Calculation of greenhouse gas inventory for NoCO2 Certified Clients document.

Table 2: Waste Emissions

Bin Size (L)	How often emptied per week	Total Volume of Waste per Year (m ³)	Type of Waste	Conversion Factor from m ³ to tonnes	Total Tonnes of waste	Type of Waste	Tonnes CO ₂ e/tonne waste	Tonnes CO ₂ e
240.00	1.00	112.32	Co-Mingled	0.13	14.04	Commercial and Industrial Waste	1.10	15.44
		112.32			14.04			15.44

Electricity

The calculation methodology for The Alto Hotel's emissions from electricity usage, shown below, can be found on pages 4-5 of Methodology for Re-Calculation of greenhouse gas inventory for NoCO2 Certified Clients document.

Table 3: Electricity Emissions

Address	State	Period Start Date	Period Finish Date	No of Days	Electricity Usage (kWh)	Scope 2 kgCO ₂ e/kWh	Scope 2 Emissions tCO ₂ e	Scope 3 kgCO ₂ e/kWh	Scope 3 Emissions tCO ₂ e	Total Emissions tCO ₂ e
Alto Hotel, 636 Bourke St	VIC	16/06/2009	14/07/2009	28.00	12,416.00	1.23	15.27	0.14	1.74	17.01
Alto Hotel, 636 Bourke St	VIC	14/07/2009	14/08/2009	31.00	13,368.00	1.23	16.44	0.14	1.87	18.31
Alto Hotel, 636 Bourke St	VIC	14/08/2009	14/09/2009	31.00	12,632.00	1.23	15.54	0.14	1.77	17.31
Alto Hotel, 636 Bourke St	VIC	15/09/2009	13/10/2009	28.00	10,744.00	1.23	13.22	0.14	1.50	14.72
Alto Hotel, 636 Bourke St	VIC	13/10/2010	16/11/2010	34.00	13,608.00	1.23	16.74	0.14	1.91	18.64
Alto Hotel, 636 Bourke St	VIC	16/11/2009	11/12/2009	25.00	9,920.00	1.23	12.20	0.14	1.39	13.59
Alto Hotel, 636 Bourke St	VIC	11/12/2009	14/01/2010	34.00	14,728.00	1.23	18.12	0.14	2.06	20.18
Alto Hotel, 636 Bourke St	VIC	14/01/2010	15/02/2010	32.00	14,528.00	1.23	17.87	0.14	2.03	19.90
Alto Hotel, 636 Bourke St	VIC	15/02/2010	15/03/2010	28.00	12,240.00	1.23	15.06	0.14	1.71	16.77
Alto Hotel, 636 Bourke St	VIC	15/03/2010	14/04/2010	30.00	12,176.00	1.23	14.98	0.14	1.70	16.68
Alto Hotel, 636 Bourke St	VIC	14/04/2010	13/05/2010	29.00	10,800.00	1.23	13.28	0.14	1.51	14.80
Alto Hotel, 636 Bourke St	VIC	13/05/2010	15/06/2010	33.00	13,928.00	1.23	17.13	0.14	1.95	19.08
Total for Period				363.00	151,088.00		185.84		21.15	206.99
Total for Year				365.00	151,920.44		186.86		21.27	208.13

Gas

The calculation methodology for The Alto Hotel's emissions from gas combustion, shown below, can be found on page 4 of the Methodology for Re-Calculation of greenhouse gas inventory for NoCO2 Certified Clients document.

Table 4: Emissions from Natural Gas Combustion

Address	State	Gas Type	Period Start Date	Period Finish Date	No of Days	Gas Usage (MJ)	Scope 1 kgCO ₂ e/MJ	Scope 1 Emissions tCO ₂ e	Scope 3 kgCO ₂ e/MJ	Scope 3 Emissions tCO ₂ e	Total Emissions tCO ₂ e
636 Bourke St, Melbourne	VIC	Natural Gas	3/03/2010	6/05/2010	64.00	87,446.00	0.0516	4.51	0.0040	0.35	4.86
636 Bourke St, Melbourne	VIC	Natural Gas	30/12/2009	3/03/2010	63.00	84,371.00	0.0516	4.35	0.0040	0.34	4.69
636 Bourke St, Melbourne	VIC	Natural Gas	28/10/2009	30/12/2009	63.00	89,873.00	0.0516	4.64	0.0040	0.36	5.00
636 Bourke St, Melbourne	VIC	Natural Gas	1/09/2009	28/10/2009	57.00	114,686.00	0.0516	5.92	0.0040	0.46	6.38
636 Bourke St, Melbourne	VIC	Natural Gas	3/07/2010	1/09/2010	60.00	125,977.00	0.0516	6.50	0.0040	0.50	7.00
636 Bourke St, Melbourne	VIC	Natural Gas	5/05/2009	3/07/2009	59.00	109,624.00	0.0516	5.66	0.0040	0.44	6.10
Total for Period					366.00	611,977.00		31.58		2.45	34.03
Total for Year					365.00	610,304.93		31.49		2.44	33.93

Assets and Expenses

The calculation methodology for The Alto Hotel's emissions embodied in assets and expenses shown below can be found on pages 9-10 of Methodology for Re-Calculation of greenhouse gas inventory for NoCO2 Certified Clients document.

Table 5: Embodied Emissions from Expenses

Embodied Emissions from Expenses for Alto Hotel for 2009-2010				
Item	Value	kg CO ₂ e/\$	tCO ₂ e/year	Category
Cost of Sales				
Rooms - Consumables	\$26,260.08	0.64	16.73	Accommodation, Cafes and Restaurants
Room Replacements (small)	\$1,530.57			
Linen Hire/Dry Cleaning/Laundry	\$47,898.50	0.34	16.09	Personal Services
Rooms - Wages	\$214,341.22			N/A
Accommodation Expense	\$1,014.46	0.03	0.03	Accommodation, Cafes and Restaurants
Breakfast - Food	\$51,708.81	0.64	32.94	Accommodation, Cafes and Restaurants
Breakfast - consumables	\$1,534.87	0.64	0.98	Accommodation, Cafes and Restaurants
Breakfast - Wages	\$78,979.50			N/A
Breakfast - Contract Wages	\$354.80			N/A
Dinner - Food	\$40,160.15	0.64	25.58	Accommodation, Cafes and Restaurants
Dinner - Beverage	\$17,517.76	0.64	11.16	Accommodation, Cafes and Restaurants
Dinner - Consumables	\$2,394.54	0.64	1.53	Accommodation, Cafes and Restaurants
Dinner - Wages	\$67,205.01			N/A
Dinner - Contract Wages	\$4,312.55			N/A
Guest/ Dry Cleaning/Laundry	\$2,860.70	0.02	0.06	Personal Services
Washing Machine	\$2,160.00	0.70	1.51	Household Appliances
Amenities (Apples/Newspaper)	\$19,974.70	0.67	13.42	Fruit and Vegetable Products
Gym Passes	\$6,545.46	0.01	0.05	Business Management Services
Car Parking Leasing	\$23,509.08	0.00	0.00	Leased/Rented
Breakfast (promo)	\$785.90	0.01	0.01	Business Management Services
Drink Vouchers (promo)	\$2,335.01	0.01	0.02	Business Management Services
Car Par (promo)	\$30.45	0.01	0.00	Business Management Services
Comp Food (promo)	\$1,275.46	0.01	0.01	Business Management Services
Wine (promo)	\$750.91	0.01	0.01	Business Management Services
Room (promo)	\$10,757.27	0.01	0.08	Business Management Services
Expenses				
Accounting Fees	\$150.00	0.01	0.00	Business Management Services
Bank Charges	\$5,189.30	0.00	0.00	Banking
Bookkeeping	\$20,176.50	0.01	0.14	Business Management Services
Consultancy Fees	\$7,663.75	0.01	0.05	Business Management Services
Document Storage	\$1,144.00	0.04	0.04	Other Services to Transport
Merchant Fees	\$31,281.22	0.01	0.22	Business Management Services
Commissions Paid (T/Agents)	\$99,621.47			N/A
Commissions Paid (GST Free)	\$20,931.11			N/A
Computer Maintenance Repair	\$2,452.07	0.25	0.62	Other Repairs
Computer/Telephone Support	\$2,410.84	0.02	0.05	Communication
Depreciation	\$110,013.00			Accounted For
Donations	\$10,365.00			N/A
Environ/Social Responsibility	\$14,307.44			N/A
Carbon Offset Account	\$7,345.24			N/A

Entertainment Expenses	\$263.18	0.64	0.17	Accommodation, Cafes and Restaurants
Filing Fees	\$212.00	0.01	0.00	Business Management Services
General	\$778.69	0.26	0.20	Other Business Services
Insurance	\$21,415.26	0.00	0.00	Insurance
Freight, Taxis and Parking	\$3,922.96	0.40	1.57	Road Freight
Hire Purchase Payments	\$24,302.40	0.00	0.00	Leased/Rented
Cable TV	\$16,420.50	0.02	0.34	Communication
Piped Music	\$1,674.96	0.00	0.00	Libraries, Museums and Arts
Motor Vehicle Expenses	\$2,811.90	0.39	1.10	Motor Vehicles and Parts
Printing Stationary and Postage	\$21,688.76	0.51	11.08	Printing
Registrations/Licenses	\$2,486.50	0.01	0.02	Government Administration
Stamp Duty	\$2,093.22	0.01	0.01	Government Administration
Subscriptions	\$410.91	0.38	0.16	Publishing
Telephone - Administration	\$15,492.10	0.02	0.33	Communication
Broadband	\$7,798.17	0.02	0.16	Communication
Destination Melbourne	\$10,422.27	0.01	0.07	Business Management Services
Auto Clubs	\$2,784.55	0.01	0.02	Business Management Services
Marketing Consultants	\$8,100.00	0.01	0.06	Business Management Services
Ease	\$5,380.00	0.02	0.11	Communication
Internet - Others	\$5,789.95	0.02	0.12	Communication
Websites/Updates	\$12,936.41	0.01	0.09	Scientific and Technical Services
Industry Memberships and Affiliations	\$3,938.95			N/A
Industry Publications	\$265.00	0.06	0.01	Publishing
Industry Events/ Briefings	\$3,954.72	0.64	2.52	Accommodation, Cafes and Restaurants
Print Media, Radio and TV	\$17,807.83	0.51	9.10	Printing
Printing Brochures/Rates/Photos	\$834.55	0.51	0.43	Printing
Promo and Marketing Products	\$4,452.27	0.51	2.28	Printing
Rewards Programmes	\$8,106.29	0.02	0.17	Communication
Trade Shows	\$7,030.31	0.64	4.48	Accommodation, Cafes and Restaurants
Travel and accommodation	\$7,107.24	0.64	4.53	Accommodation, Cafes and Restaurants
Yellow/White/Green Pages	\$2,632.15	0.38	0.99	Publishing
Replacements - Rooms	\$9,498.11			
Replacements - A Kitchen	\$3,803.35			
Replacements - Public Areas	\$484.16			
Replacements - Store Rooms	\$21.82			
Replacements - Admin Offices	\$553.79			
Decorations/Flowers	\$1,608.52	0.99	1.59	Vegetable and Fruit Growing
Key Cards	\$1,205.22	0.70	0.84	Plastic Products
Uniforms	\$7,677.25	0.55	4.25	Clothing
Payroll Tax	\$12,259.61			N/A
Staff Medical Expenses	\$24.05			N/A
Staff Amenities	\$15,952.94	0.64	10.16	Accommodation, Cafes and Restaurants
Staff Training and recruitment	\$7,206.32	0.00	0.00	Education
Staff meals	\$8,594.64	0.64	5.47	Accommodation, Cafes and Restaurants
Maternity Leave Supplies	\$820.29	0.48	0.39	Cosmetics and Toiletry Preparations
Superannuation	\$65,354.12			N/A
Wages and Salaries - Admin and F.O.	\$369,783.26			N/A
Contract Wages FO	\$13,206.86			N/A
Wages - Maintenance	\$67.42			N/A
Wages - While Training	\$919.48			N/A
Work Cover Premiums	\$15,308.76			N/A
Electricity	\$21,216.35			Accounted For
Gas	\$5,092.54			Accounted For
Rates	\$22,159.60			N/A

Rent Building 636	\$671,580.00	0.00	0.00	Leased/Rented
Rubbish/Waste Removal	\$5,426.32	2.93	15.88	Sanitary and Garbage Disposal
Water	\$15,540.90	0.10	1.52	Water Supply, Sewerage and Drainage
Air-conditioning/Heating	\$1,286.59	0.41	0.53	Other Machinery and Equipment
Building General	\$47,635.55	0.26	12.34	Other Business Services
Carpet Flooring	\$9,641.83	0.67	6.41	Textile Products
Electrical	\$6,313.37	0.48	3.01	Electrical Equipment
Fire Monitoring	\$450.00	0.48	0.21	Electrical Equipment
Office Equipment	\$367.28	0.42	0.15	Electronic Equipment
Furniture and Fittings	\$1,003.84	0.73	0.73	Furniture
Grease Trap/Canopy	\$1,625.71	0.34	0.56	Non-Residential Construction
Hot water Service	\$318.18	0.10	0.03	Water Supply, Sewerage and Drainage
Grounds/Car parks	\$3,528.73	0.34	1.21	Non-Residential Construction
Kitchen Equipment Ground Floor	\$4,292.30	0.41	1.77	Other Machinery and Equipment
Lift	\$6,038.85	0.41	2.49	Other Machinery and Equipment
Light Globes	\$4,883.75	0.48	2.32	Electrical Equipment
Locks/Safes	\$5.00	0.48	0.00	Other Manufacturing
Painting	\$4,259.10	0.46	1.94	Paints
Pest Control	\$2,541.00	0.01	0.04	Other Business Services
Plumbing	\$8,270.96	0.34	2.84	Non-Residential Construction
Purchases under \$300	\$809.53	0.70	0.57	Plastic Products
Fire Safety Management	\$12,384.70	0.01	0.17	Other Business Services
Security	\$979.00	0.01	0.01	Other Business Services
White Goods	\$528.00	0.70	0.37	Household Appliances
Total Expenses Footprint (tCO₂e/year)	\$2,575,091.65		239.25	

Table 6: Embodied Emissions from Assets

Embodied Emissions from Assets for Alto Hotel for 2009-2010				
Item	Value Depreciated (\$)	kg CO ₂ e/\$	tCO ₂ e/year	Category
Furniture & Fittings				
Public Areas 20	\$374.00	0.73	0.27	Furniture
Kitchen/Crock/Glass 1		1.23	0.00	Ceramic Products
Kitchen Utensils 2		0.61	0.00	Fabricated Metal Products
Kitchen Appliances 3	\$1,359.00	0.61	0.83	Fabricated Metal Products
Kitchen Equipment 5	\$983.00	0.70	0.69	Household Appliances
Kitchen Equipment 10	\$406.00	0.70	0.28	Household Appliances
Kitchen Bench/Shelving 15	\$622.00	0.73	0.45	Furniture
Public Areas 1		0.73	0.00	Furniture
Public Areas 3	\$16.00	0.73	0.01	Furniture
Public Areas 5	\$1,624.00	0.73	1.18	Furniture
Public Areas 10	\$474.00	0.73	0.35	Furniture
Plant & Equipment				
Carpets	\$11,483.00	0.67	7.64	Textile Products
Fridges on HP	\$1,888.00	0.70	1.32	Household Appliances
Plasmas on HP	\$7,420.00	0.42	3.12	Electronic Equipment
WMF Bistro- Coffee Machine	\$29.00	0.70	0.02	Household Appliances
Massage Chairs	\$1,006.00	0.73	0.73	Furniture
Motor Vehicles				
Hyundai i30	\$3,913.00	0.39	1.53	Motor Vehicles and Parts
Office Furniture & Equipment				
Office Equipment 3	\$6.00	0.42	0.00	Electronic Equipment
Office Equipment 4	\$1,695.00	0.42	0.71	Electronic Equipment
Office Equipment 5	\$759.00	0.42	0.32	Electronic Equipment
Office Equipment 10	\$4,030.00	0.42	1.69	Electronic Equipment
Office Equipment 15	\$204.00	0.42	0.09	Electronic Equipment
Office Equipment 20	\$57.00	0.42	0.02	Electronic Equipment
Office Equipment 3	\$604.00	0.42	0.25	Electronic Equipment
Office Equipment 4	\$642.00	0.42	0.27	Electronic Equipment
Office Equipment 5	\$257.00	0.42	0.11	Electronic Equipment
Office Equipment 10	\$173.00	0.42	0.07	Electronic Equipment
Office Equipment 20	\$149.00	0.42	0.06	Electronic Equipment
Office Equipment	\$990.00	0.42	0.42	Electronic Equipment
Office Equipment 4	\$524.00	0.42	0.22	Electronic Equipment
Furniture & Fittings - Rooms				
Bedding		0.67	0.00	Textile Products
Bedspreads/Blankets	\$3,503.00	0.67	2.33	Textile Products
Beds	\$4,259.00	0.73	3.10	Furniture
Rooms/Kitchen/Bathroom 1		0.73	0.00	Furniture
Rooms/Kitchen/Bathroom 2		0.73	0.00	Furniture
Rooms/Kitchen/Bathroom 3	\$205.00	0.73	0.15	Furniture
Rooms/Kitchen/Bathroom 4	\$119.00	0.73	0.09	Furniture

Entertainment Equipment	\$3,556.00	0.42	1.49	Electronic Equipment
Rooms/Kitchen/Bathroom 5	\$945.00	0.73	0.69	Furniture
Rooms/Kitchen/Bathroom 10	\$886.00	0.73	0.65	Furniture
Rooms/Kitchen/Bathroom 1		0.73	0.00	Furniture
Rooms/Kitchen/Bathroom 3	\$6.00	0.73	0.00	Furniture
Entertainment Equipment 5	\$380.00	0.73	0.28	Furniture
Rooms/Kitchen/Bathroom 10	\$191.00	0.73	0.14	Furniture
Rooms/Kitchen/Bathroom 5	\$285.00	0.73	0.21	Furniture
Bedspreads/Blankets	\$486.00	0.67	0.32	Textile Products
Beds 7	\$230.00	0.73	0.17	Furniture
20 x Chairs	\$1.00	0.73	0.00	Furniture
Barcelona Black Bench	\$53.00	0.73	0.04	Furniture
Regency Chair	\$364.00	0.73	0.26	Furniture
Furniture Fittings - Other				
Cafe Assets	\$4,263.00	0.70	2.98	Household Appliances
FF at Cost 5	\$7,283.00	0.73	5.30	Furniture
FF at Cost 6	\$4,769.00	0.73	3.47	Furniture
FF at Cost 7	\$13,282.00	0.73	9.67	Furniture
FF at Cost 8	\$2,021.00	0.73	1.47	Furniture
FF at Cost 20	\$216.00	0.73	0.16	Furniture
FF at Cost 5	\$3,664.00	0.73	2.67	Furniture
FF at Cost 7	\$343.00	0.73	0.25	Furniture
Improvements at Cost 5	\$952.00	0.25	0.24	Other Repairs
FF at Cost 5	\$1,086.00	0.73	0.79	Furniture
Bannister rails	\$49.00	0.88	0.04	Other Wood Products
Furniture & Fittings - Public Areas				
Public Areas 1		0.73	0.00	Furniture
Public Areas 3	\$136.00	0.73	0.10	Furniture
Public Areas 5	\$813.00	0.73	0.59	Furniture
Public Areas 10	\$818.00	0.73	0.60	Furniture
Public Areas 15	\$1,808.00	0.73	1.32	Furniture
Public Areas 20	\$507.00	0.73	0.37	Furniture
Kitchen/Crock/Glass 1	\$163.00	1.23	0.20	Ceramic Products
Kitchen Utensils 2		0.61	0.00	Fabricated Metal Products
Kitchen Utensils 3		0.61	0.00	Fabricated Metal Products
Kitchen Appliance 3	\$75.00	0.70	0.05	Household Appliances
Kitchen Equipment 8	\$169.00	0.70	0.12	Household Appliances
Public Areas 10	\$1,558.00	0.73	1.13	Furniture
Public Areas 15	\$274.00	0.73	0.20	Furniture
Water point Ultra-slim Tanks	\$4.00	0.70	0.00	Household Appliances
Public Areas 5 (less coffee machine)	\$1,903.00	0.73	1.39	Furniture
Total Assets Footprint (tCO2e/year)	103,312.00		65.69	

Fuel Consumed

The calculation methodology for The Alto Hotel's emissions from fuel consumed, shown below, can be found on page 4 of the Methodology for Re-Calculation of greenhouse gas inventory for NoCO2 Certified Clients document.

Table 7: Emissions from Fuel Consumed

Fuel Consumed	Cost of fuel bought	Average Fuel Cost	Litres of fuel Per Year	Scope 1 Emission Factor (tCO ₂ e/kL)	Scope 3 Emission Factor (tCO ₂ e/kL)	Work Paid Scope 1 Emissions (Tonnes CO ₂ e)	Work Paid Scope 3 Emissions (Tonnes CO ₂ e)
Diesel	450.00	\$1.50	300.00	2.70	0.20	0.81	0.06
					Total CO₂e:	0.81	0.06