

National Carbon Offset Standard Carbon Neutral Program Public Disclosure Summary



An Australian Government Initiative



SustainableBusiness
CONSULTING

1. Organisation Information

Table 1: Organisation Information

Organisation Name	Oak Flats Bowling and Recreation Club Ltd	
Name of the subject(s) of certification	Oak Flats Bowling and Recreation Club Ltd	
Type of certification (tick all applicable)	<input type="checkbox"/> Organisation <input checked="" type="checkbox"/> Part of organisation Oak Flats Bowling & Recreation Club and Illawarra Yacht Club (for May and June only) <input type="checkbox"/> Product/service <input type="checkbox"/> Event	
Reporting year period	From 1/07/2012	To 30/06/2013
Emissions in this reporting year	1,349.07 t CO ₂ -e (12 months for Oak Flats Bowling & Recreation Club and May/June for Illawarra Yacht Club)	
Base year period ¹	From 1/07/2011	To 30/06/2012
Emissions in the base year	2,221.53 t CO ₂ -e (Re-calculated. Includes Oak Flats Bowling & Recreation Club and Illawarra Yacht Club for the whole 12 month period. The original base year emissions were 1,207.99 t CO ₂ -e)	

¹ First year for which the GHG Inventory has been completed – this will be considered to be the base year against which emission reduction activities will be measured.



Australian Government

Department of Industry, Innovation, Climate Change,
Science, Research and Tertiary Education

2. Description of Organisation Activities

Oak Flats Bowling and Recreation Club Ltd is a non for profit medium sized club located in the south of the Illawarra region. The Club owns the Oak Flats Bowling & Recreation Club facilities at 1 Kingston Street, Oak Flats, and the Illawarra Yacht Club facilities at 1 Northcliffe Drive, Warrawong.

Oak Flats Bowling & Recreation Club at 1 Kingston Street in Oaks Flat has 75 staff and 8,718 members. The Club's facilities include 122 gaming machines, 200 seat brasserie, 70 seat café and pizza bar, 2 function rooms, and 3 bowling greens. Oak Flats Bowling and Recreation Club owns 3 houses, located at 9, 11, and 13 Devonshire Crescent, Oaks Flats. These houses are tenanted out and Oak Flats Bowling and Recreation Club has no operational control over GHG emission sources related to the operation of these houses. The three owned houses are therefore excluded from the organisational boundary.

The Illawarra Yacht Club at 1 Northcliffe Drive, Warrawong, has 25 staff and 7,604 members. The Club's facilities include 106 gaming machines, brasserie and café amenities, upstairs function space, sports bar with two pool tables, board room and two large function spaces downstairs.

The Illawarra Yacht Club was purchased by Oak Flats Bowling & Recreation Club in May 2013. The emissions inventory of FY12/13 thus only contains two months of attributable GHG emissions.

3. Organisational & Geographic Boundary/ Scope & system Boundary

Boundary consolidation approach:	Operational control
Description of the boundary of the subject of certification (also describe exclusions from the boundary):	<p>Oak Flats Bowling and Recreation Club Ltd owns the Oak Flats Bowling & Recreation Club facilities at 1 Kingston Street, Oak Flats, and the Illawarra Yacht Club facilities at 1 Northcliffe Drive, Warrawong.</p> <p>Oak Flats Bowling and Recreation Club's location is at 1 Kingston Street, Oak Flats NSW 2529. Oak Flats Bowling and Recreation Club has operational control over this facility. Oak Flats Bowling and Recreation Club does not have operational control over the three houses it owns. Therefore the boundary for the reporting of scope 1, 2 and 3 carbon emissions are the club facilities at 1 Kingston Street only.</p> <p>The Illawarra Yacht Club's location is at 1 Northcliffe Drive, Warrawong. Oak Flats Bowling &</p>

Recreation Club Ltd has operational control over this facility. The Illawarra Yacht Club was purchased by Oak Flats Bowling & Recreation Club in May 2013. Prior to May 2013 Oak Flats Bowling & Recreation Club Ltd did not have operational control over the Illawarra Yacht Club.

4. Diagram of the Boundary of the Subject of Certification

Figure 1 on the following page depicts an aerial shot of 1 Kingston Street, while picture 2 depicts the geographical boundaries of the club and the three houses that are owned by the club.

Figure 3 depicts the geographical boundaries of the clubhouse in greater detail.

Figure 4 depicts the geographical boundaries of the owned houses in greater detail.

Figure 5 depicts an aerial shot of the Illawarra Yacht Club's geographical boundaries.

Figure 6 depicts the organisational and operational boundaries observed in undertaking the carbon inventory. Major emissions sources included and excluded from the inventory are shown, along with their scope.



Figure 1: Aerial shot of 1 Kingston Street



Figure 2: The geographical boundaries of the club and three houses it owns



Figure 3: The Oak Flats Bowling and Recreation Clubhouse and the geographical boundary

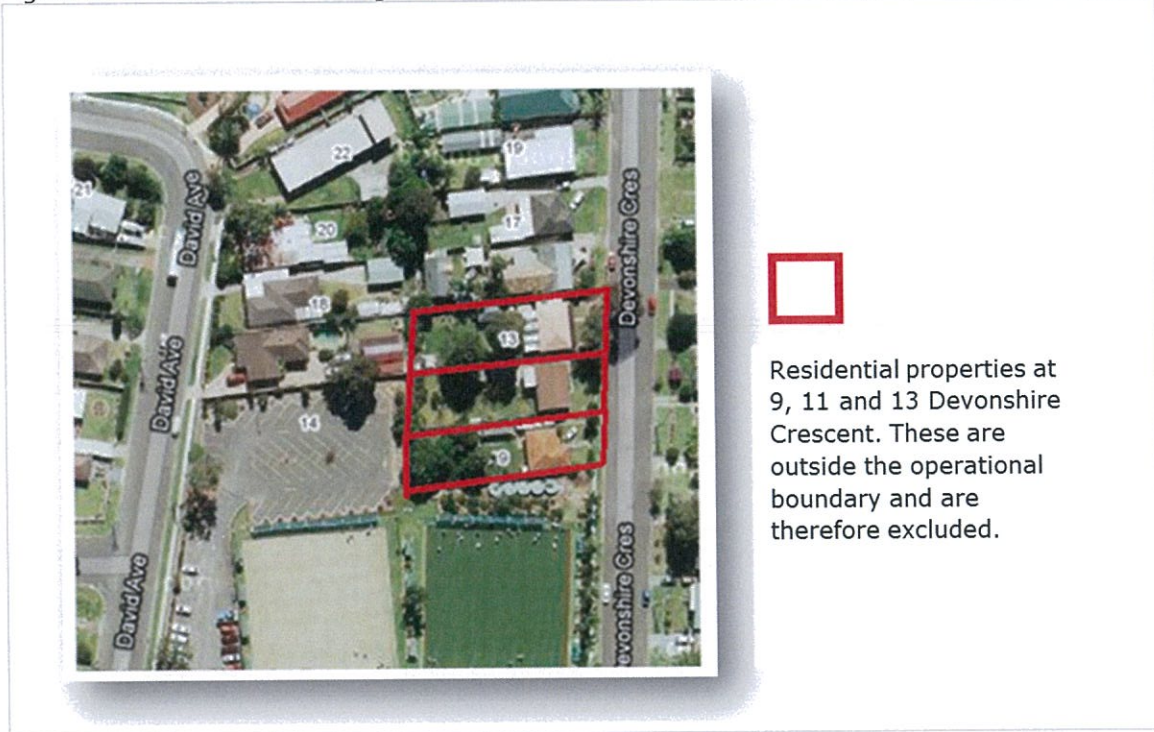


Figure 4: The geographical boundary of the three owned houses that are excluded from the carbon inventory

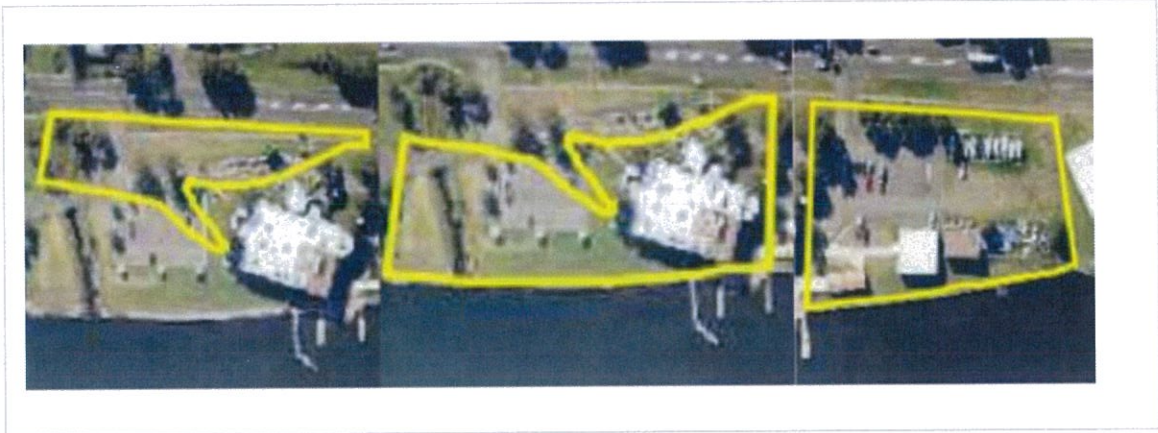


Figure 5: The geographical boundary of the Illawarra Yacht Club facilities for three lots. The site comprises Lot 6 in DP 215273, Part Lot 110, 122 & 123 in DP 751299. The site is irregular in shape and has an area of 25,670 square metres.

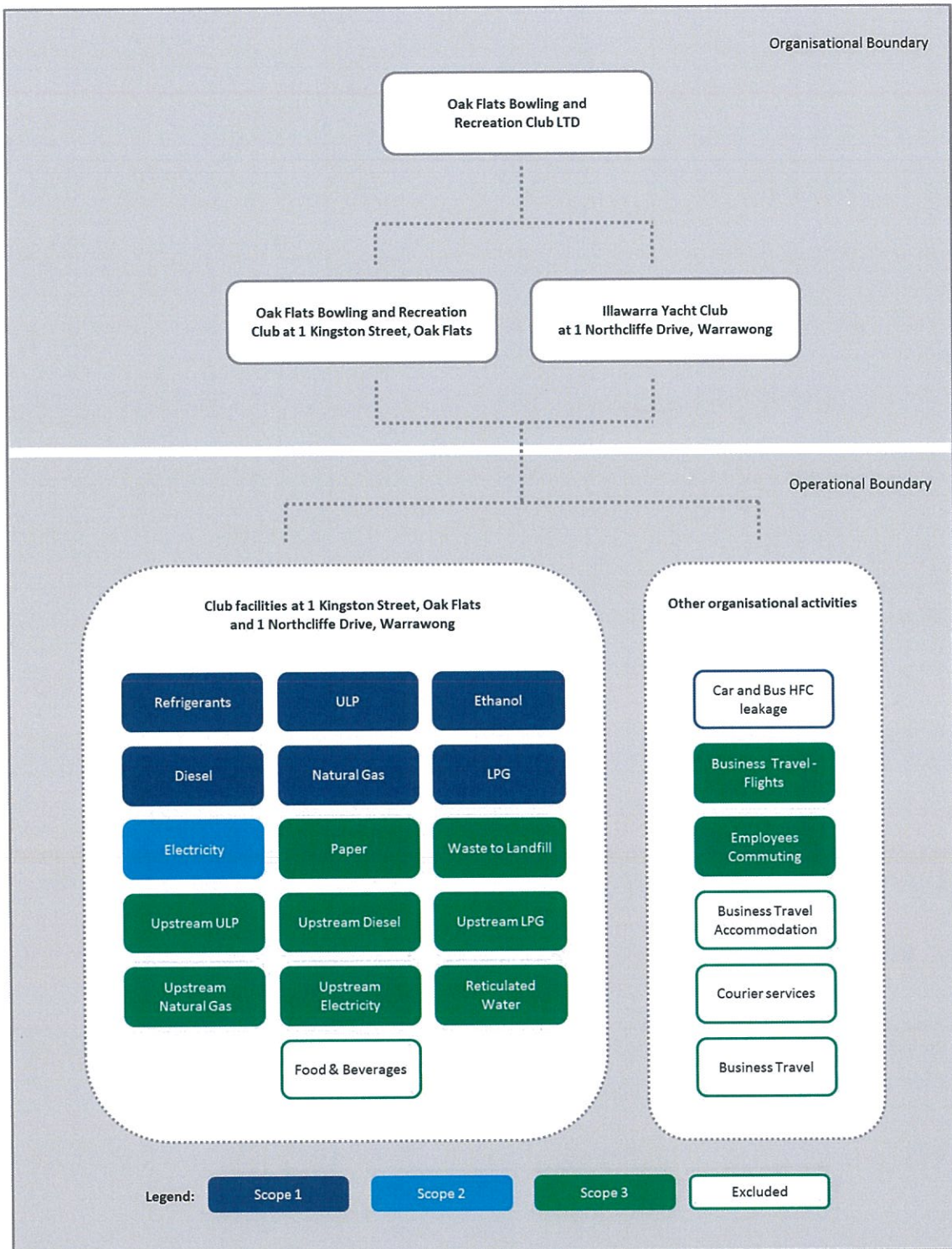


Figure 6: Organisational and operational boundaries of Oak Flats Bowling & Recreation Club and Illawarra Yacht Club

5. Purchase of GreenPower and Retirement of GreenPower Eligible Large-Scale Generation Certificates (LGCS)

During FY2012/2013 no GreenPower or LGCS were purchased.

6. Purchase of NCOS Carbon Neutral Products

During FY2012/2013 no NCOS carbon neutral products were purchased.

7. Total Carbon Footprint

The following table shows the carbon footprint for 12 months of activity data for Oak Flats Bowling and Recreation Club (OFBRC) and 2 months of activity data (May and June 2013) for Illawarra Yacht Club (IYC).

Table 2: Emission sources, scopes and quantities

Scope	Emission source	OFBRC: t CO ₂ -e	IYC: t CO ₂ -e	TOTAL t CO ₂ -e ²
1	Purchased E10 and unleaded petrol for company vehicles and rescue boats	7.90	0.27	8.17
1	Purchased diesel for OFBRC courtesy buses	14.84	0.44	15.28
1	Purchased ULP for Greens equipment (stationary fuel)	0.64	-	0.64
1	Purchased LPG	0.05	-	0.05
1	Purchased natural gas	54.19	8.55	62.74
1	Leakage of refrigerants	41.58	13.06	54.64
2	Purchased electricity	796.87	92.54	889.41
3	E10 and unleaded petrol extraction and transport	0.63	0.02	0.65
3	Diesel extraction and transport	1.13	0.09	1.22
3	Gasoline extraction and transport - stationary	0.05	-	0.05
3	LPG extraction and transport	0.005	-	0.005
3	Natural gas extraction and transport	14.99	2.37	17.36
3	Extraction, transport, transmission & distrib. losses for purchased electricity	163	18.93	181.93
3	Air travel	7.91	-	7.91
3	Waste going to landfill	37.87	12.63	50.50
3	Purchased paper	1.51	0.06	1.57
3	Employees commuting	44.89	0.92	45.81
3	Purchased water	8.63	1.79	10.42
Total carbon footprint in tonnes CO ₂ -e				1,349.07

² = Activity data x energy content factor (if applicable) x emission factor converted to tonnes CO₂-e

The following graphic shows the development of the carbon emissions over two financial years for Oak Flats Bowling & Recreation Club only. A downward trend is evident. As can be seen, electricity makes up the biggest part of the GHG emissions. Similar data for the Illawarra Yacht Club will become available from FY13/14.

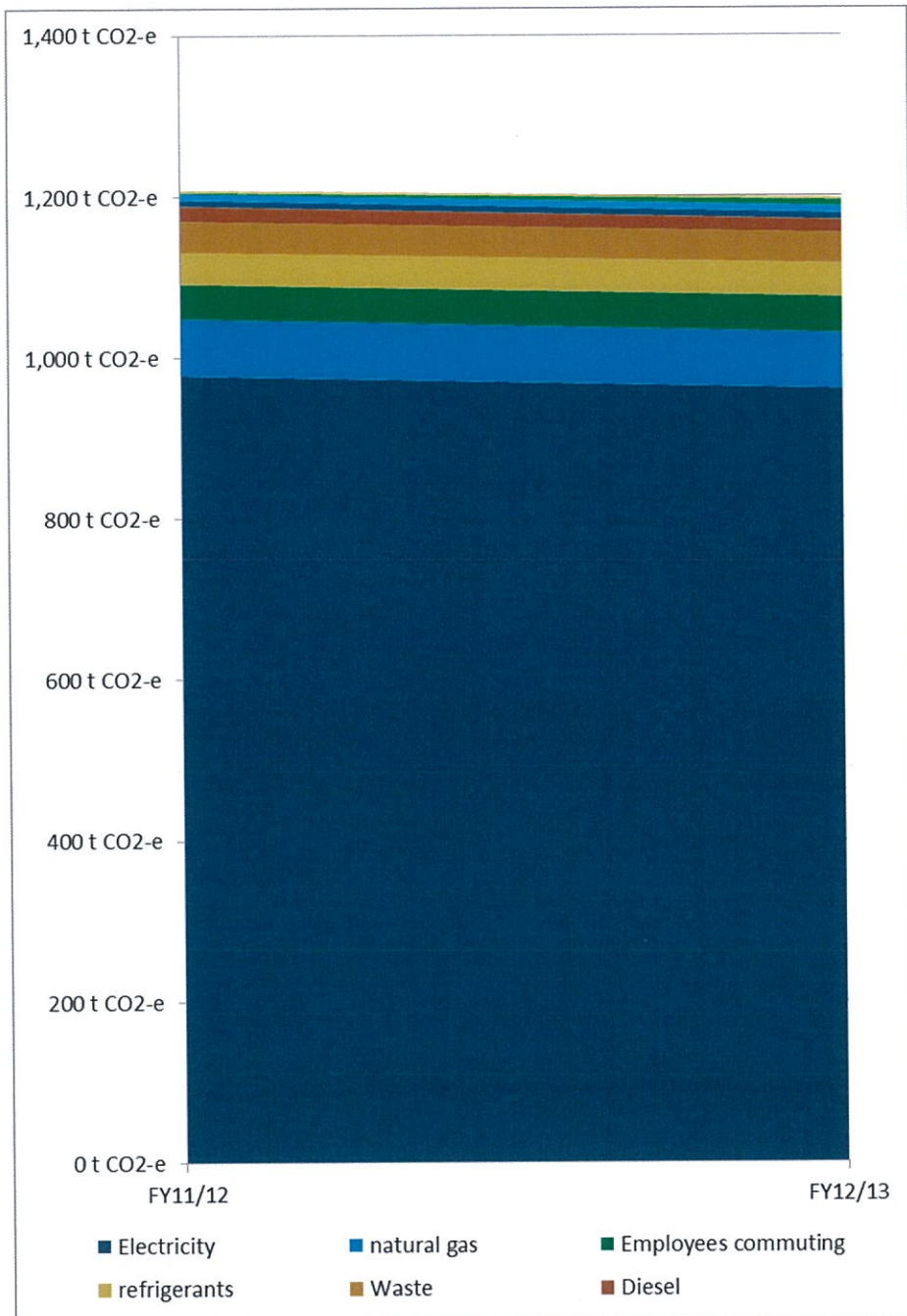


Figure 7: The development of GHG emissions at Oak Flats Bowling and Recreation Club over two financial years

8. Carbon Offset Purchases and Retirement for this Reporting Period

8.1 Offset Purchasing and Cancellation Strategy

Oak Flats Bowling and Recreation Club Ltd purchases an additional 10% of carbon credits of all scope 3 emissions to allow for a margin of error in our calculations, to account for greater uncertainty in scope 3 emissions factors and to account for emission sources that we do not currently have emission factors for.

For FY 12/13 Oak Flats Bowling and Recreation Club's scope 3 emissions were 281 tonnes of CO₂-e. Therefore Oak Flats Bowling and Recreation Club Ltd will purchase an additional 28 carbon offsets. Illawarra Yacht Club's scope 3 emissions for May and June 2013 were 37 t CO₂-e. Therefore Oak Flats Bowling & Recreation Club Ltd will purchase an additional 4 offsets for Illawarra Yacht Club.

The necessary number of offsets is cancelled right after their purchase.

1450 Carbon offsets were purchased on 23 October, of which 1400 were retired immediately. 50 carbon offsets were forward purchased for FY13/14 and have been banked for future use.

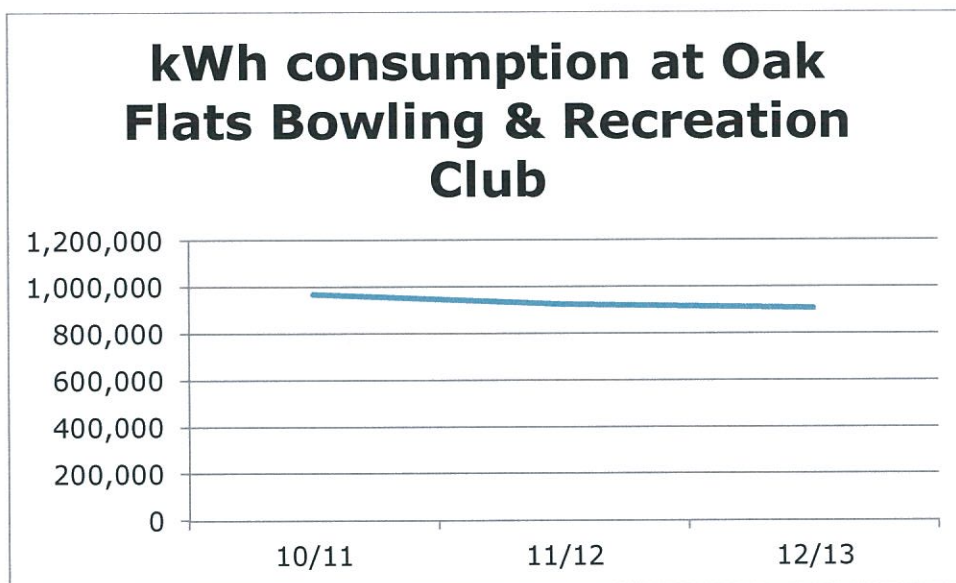
8.2 Offset Cancellation

Table 2: Offset Cancellations

Offset type	Registry	Serial number	Quantity (t CO ₂ -e)
VCU	APX VCS Registry	1740-117698040 to 117698639 (600)	1400
		1737-117339827 to 117340326 (500)	
		1943-115062347 to 115062496 (150)	
		1740-117698640 to 117698689 (50)	
		1740-117698740 to 117698839 (100)	
Total			1400

9. Emission Reduction Measures

Electricity consumption is the biggest carbon hotspot at Oak Flats Bowling & Recreation Club Ltd. The Club has been working hard at reducing the kWh consumption. The following graphic shows the kWh reduction over the last three years:



Oak Flats Bowling & Recreation Club was able to reduce overall emissions by 11 tonnes. No data is available as yet for Illawarra Yacht Club, as this club was only purchased in May 2013. It is expected that emissions savings for Illawarra Yacht Club will be achieved in FY13/14 and a number of capital works have already been approved that should increase the energy efficiency of this club.

9.1 Emission Reduction Measures

Table 3: Emission Reduction Measures

Emission source	Reduction Measure	Scope	Status	Reduction t CO ₂ -e
Purchased electricity	Oak Flats Bowling & Recreation Club: Replaced various air conditioning units with a central chiller system. In FY11/12 the previous A/C system was not working for most times of the year, so the baseline of 922,425 kWh of the FY11/12 baseline year was not representative. The kWh consumption for FY10/11 was 966,859. Comparing FY12/13 to FY10/11 results in a savings of 61 kWh, or 65 tonnes of GHG emissions	2	Implemented this reporting period	65

	<p>when applying the full fuel cycle EF of 1.06.</p> <p>The reduction estimate was based on the kWh consumption.</p>			
Purchased electricity	<p>Illawarra Yacht Club: Centralised commercial refrigeration plant to be installed at Illawarra Yacht Club. Some of the existing CFCs will also be converted to R134a. Expected savings: 55.71 MWh.</p> <p>The reduction was estimated based on the business case for the centralised plant.</p>	2	Planned for future reporting period	59
Purchased electricity	<p>Oak Flats Bowling & Recreation Club: Installation of a 40kW solar panel system on Oak Flats Bowling & Recreation Club's roof. Expected savings: 58 MWh.</p> <p>The reduction was estimated based on the business case for solar panels.</p>	2	Planned for future reporting period	62
Total emission reductions implemented in this reporting period				65
Total expected emission reductions in future reporting periods				121

10. Other Information

The Oak Flats Bowling & Recreation Club has become a leader within the Club industry through its engagement with staff, local business and the community in our quest to fulfil a range of sustainability initiatives that focus on reducing costs and environmental impacts while enhancing connections with the wider community.

Early in our sustainability journey we undertook projects aimed at engaging staff and raising awareness with our members. Initiatives included the development of a staff garden, formalised community volunteering alongside the development of a sustainability rewards program to further encourage our staff to achieve the Club's sustainability goals.

Around the Club projects aimed at reducing our emissions were completed including retrofitting lights and installing water tanks, reducing the number of beers served in bottles, installing a synthetic bowling green, and installing a chicken run to assist with waste management.

As a result of our focus on sustainability there has been a noticeable boost in productivity and enthusiasm of staff and the reductions in resource consumption have contributed to reducing the bottom line.

- 45% reduction in water usage
- 51% diversion of waste from landfill (including 100% of food waste) since the 2008-2009 financial year
- 8% reduction in electricity in the 12 months to July 2011 alone.

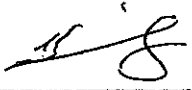
The Club's efforts have also been recognised locally and nationally as the recipient of a host of awards, including:

- Winner Australian Business Awards – Environmental Sustainability (Club Category) 2013
- Winner NSW Green Globe Awards 2013- Small Business Sustainability Award
- Winner Clubs NSW Awards for Excellence – Outstanding Environmental Sustainability Award 2011
- Winner Keep Australia Beautiful Awards – Club Category 2010 & 2011

Being more sustainable has helped boost the community's awareness of the Club as a good corporate citizen. We hope that our leadership in sustainability will encourage other Clubs and organisations to follow in our footsteps of carbon neutrality so that together we can preserve our environment for future generations to enjoy.

11. Declaration

To the best of my knowledge and having implemented the quality controls and standards required under the NCOS Carbon Neutral Program and made all appropriate inquiries, the information provided in this Public Disclosure Summary is true and correct.

Name of Signatory <i>KEVIN GRAINGER</i>	Signature 
Chairman	
Position / Title of Signatory	
5/11/2013	
Date	