

# National Carbon Offset Standard Carbon Neutral Program Public Disclosure Summary



## 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 <input type="checkbox"/> Product/service <input type="checkbox"/> Event	
Reporting year period	From 1/07/2013	To 30/06/2014
Emissions in this reporting year	2,115.61 t CO <sub>2</sub> -e	
Base year period <sup>1</sup>	From 1/07/2011	To 30/06/2012
Emissions in the base year	2,221.53 t CO <sub>2</sub> -e	

<sup>1</sup> 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.

## 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 73 staff and 10,289 members. The Club's facilities include 130 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.

Oak Flats Bowling & Recreation Club purchased the Illawarra Yacht Club in May 2013. The Illawarra Yacht Club is located at 1 Northcliffe Drive, Warrawong and has 33 staff and 8,584 members. The Club's facilities include 96 gaming machines, brasserie and café amenities, upstairs function space, sports bar, board room and two large function spaces downstairs.

## 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 &amp; Recreation Club facilities at 1 Kingston Street, Oak Flats, and the Illawarra Yacht Club facilities at 1 Northcliffe Drive, Warrawong.</p> <p><b>Oak Flats Bowling and Recreation Club's</b> 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 <b>Illawarra Yacht Club's</b> location is at 1 Northcliffe Drive, Warrawong. Oak Flats Bowling &amp; Recreation Club Ltd has operational control over this facility. The Illawarra Yacht Club was purchased by Oak Flats Bowling &amp; Recreation Club</p>

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



The geographical boundary



Oak Flats Bowling & Recreation Clubhouse

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



Residential properties at 9, 11 and 13 Devonshire Crescent. These are outside the operational boundary and are therefore excluded.

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

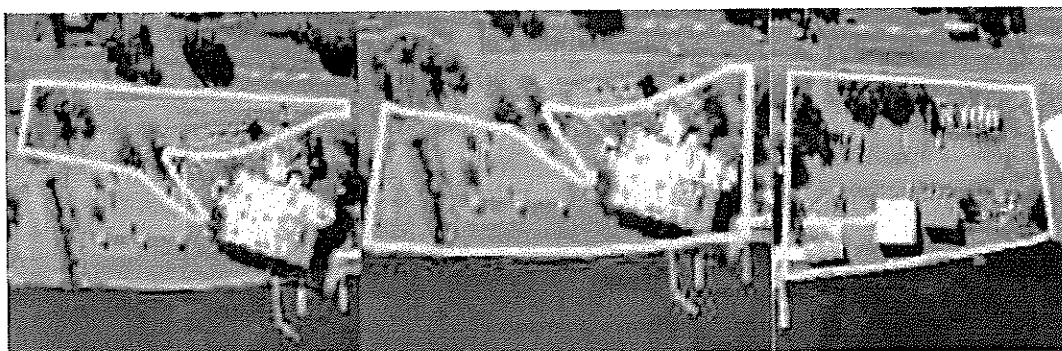


Figure 5: The geographical boundary of the Illawarra Yacht Club facilities for three lots. The site comprises Lot 6 in DP 215273, Part Lot 110, 122 & 123 in DP 751299. The site is irregular in shape and has an area of 25,670 square metres.

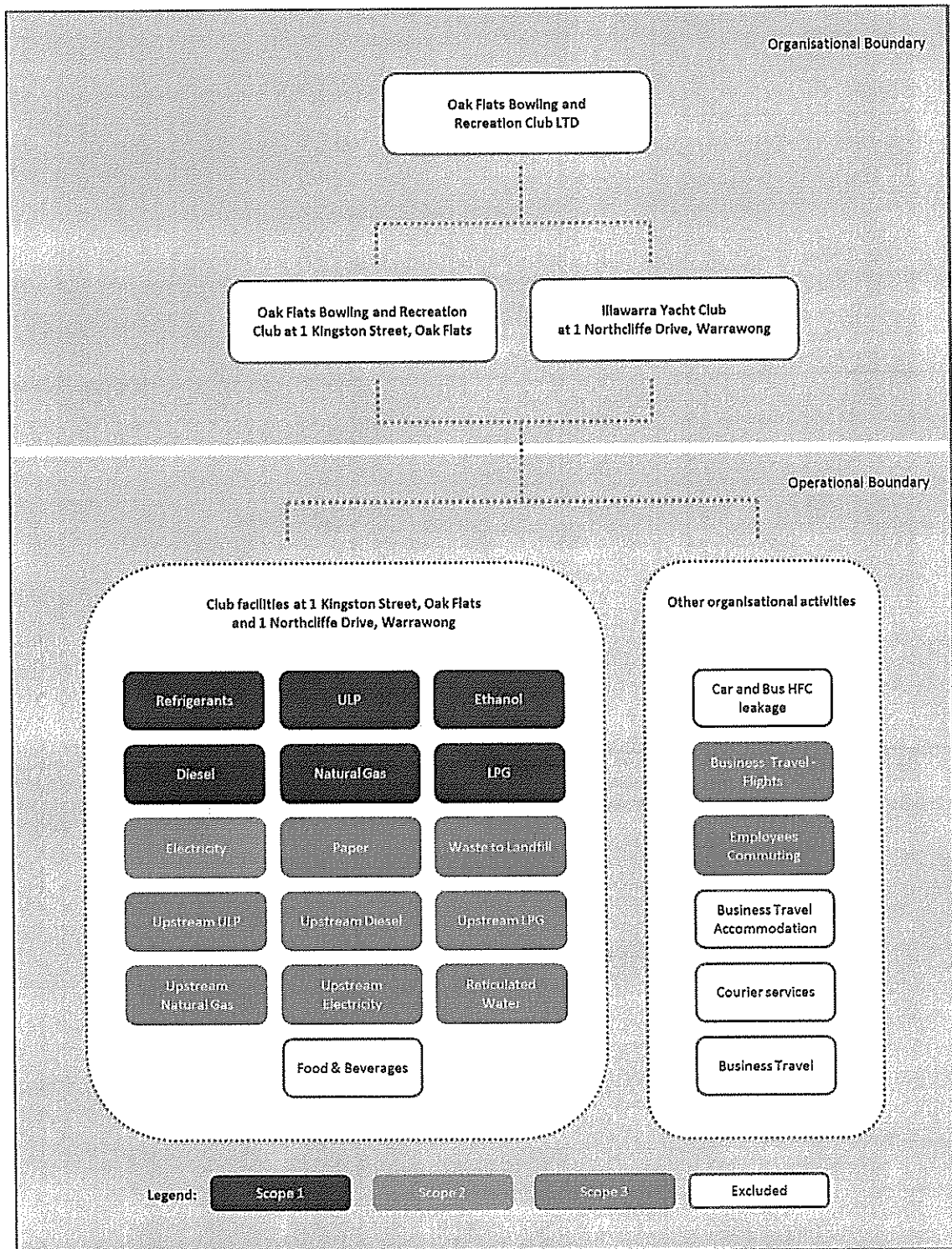


Figure 6: Organisational and operational boundaries of Oak Flats Bowling & Recreation Club and Illawarra Yacht Club

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

During FY2013/2014 no GreenPower or LGCs were purchased.

## 6. Purchase of NCOS Carbon Neutral Products

During FY2013/2014 no NCOS carbon neutral products were purchased.

## 7. Total Carbon Footprint

The following table shows the carbon footprint for Oak Flats Bowling and Recreation Club (OFBRC) and for the Illawarra Yacht Club (IYC).

Table 2: Emission sources, scopes and quantities

Scope	Emission source	OFBRC: t CO <sub>2</sub> -e	IYC: t CO <sub>2</sub> -e	TOTAL t CO <sub>2</sub> -e <sup>2</sup>
1	Purchased E10 and unleaded petrol for company vehicles and rescue boats	8.21	3.29	11.50
1	Purchased diesel for courtesy buses	13.81	7.80	21.61
1	Purchased ULP for Greens equipment (stationary fuel)	0.70	0.00	0.70
1	Purchased LPG	0.00	0.00	0.00
1	Purchased natural gas	54.41	50.74	105.15
1	Leakage of refrigerants	41.58	53.81	95.39
2	Purchased electricity	822.05	632.28	1454.33
3	E10 and unleaded petrol extraction and transport	0.68	0.26	0.94
3	Diesel extraction and transport	1.05	0.59	1.64
3	E10 and unleaded petrol extraction and transport – stationary	0.05	0.00	0.05
3	LPG extraction and transport	0.00	0.00	0.00
3	Natural gas extraction and transport	13.57	12.65	26.22
3	Extraction, transport, transmission & distrib. losses for purchased electricity	124.26	95.58	219.84
3	Air travel	3.31	0.00	3.31
3	Waste going to landfill	39.27	49.50	88.77
3	Green waste - composted	0.06	0.00	0.06
3	Purchased paper	1.35	0.54	1.89
3	Employees commuting	47.65	34.65	82.30
3	Purchased water	0.79	1.16	1.95

Total carbon footprint in tonnes CO<sub>2</sub>-e 2,115.61

<sup>2</sup> = Activity data x energy content factor (if applicable) x emission factor converted to tonnes CO<sub>2</sub>-e



## 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.

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

2200 Carbon offsets were purchased on 5 November, of which 2200 were retired immediately. No carbon offsets were forward purchased for FY14/15.

### 8.2 Offset Cancellation

Table 2: Offset Cancellations

Offset type	Registry	Serial number	Quantity (t CO <sub>2</sub> -e)
VCU	APX VCS Registry	2357-99658494-99658893-VCU-010-MER-TR-1-713-17112009-31102011-1	400
VCU	APX VCS Registry	2646-115069623-115069822-VCU-016-MER-AU-14-641-01072011-15042012-0	200
VCU	APX VCS Registry	147-5344361-5344660-VCU-001-TZ1-NZ-3-79-01012007-30062007-0	300
VCU	APX VCS Registry	3598-159437470-159438769-VCU-009-APX-IN-1-250-01012007-31122007-0	1300
Total			2200

## 9. Emission Reduction Measures

The following graphic shows the development of the carbon emissions over three financial years for Oak Flats Bowling & Recreation Club. A downward trend is evident. As can be seen, electricity makes up the biggest part of the GHG emissions.

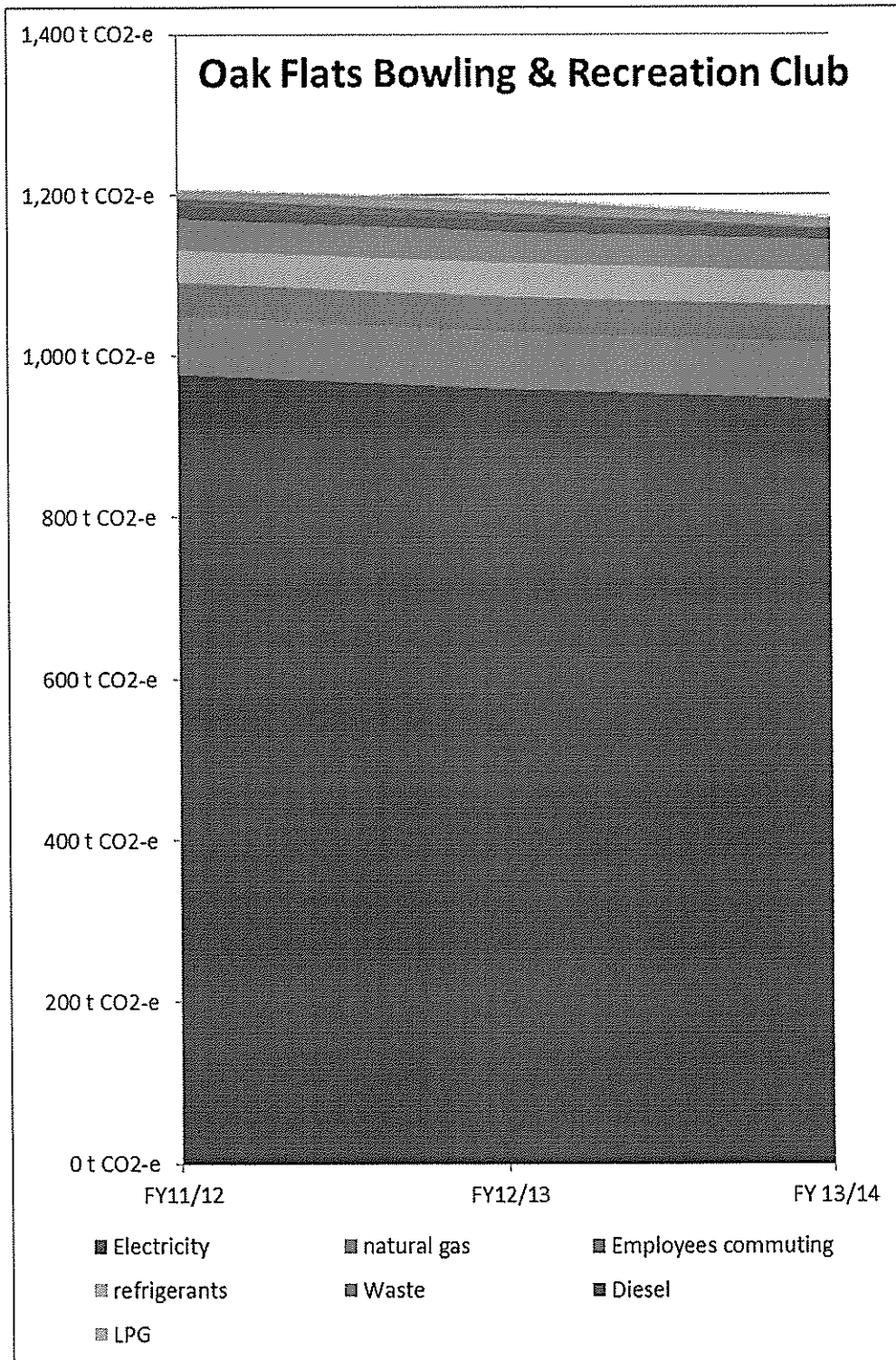


Figure 7: The development of GHG emissions at Oak Flats Bowling and Recreation Club

The following graphic shows the development of the carbon emissions over three financial years for the Illawarra Yacht Club. A downward trend is evident. As can be seen, electricity makes up the biggest part of the GHG emissions.

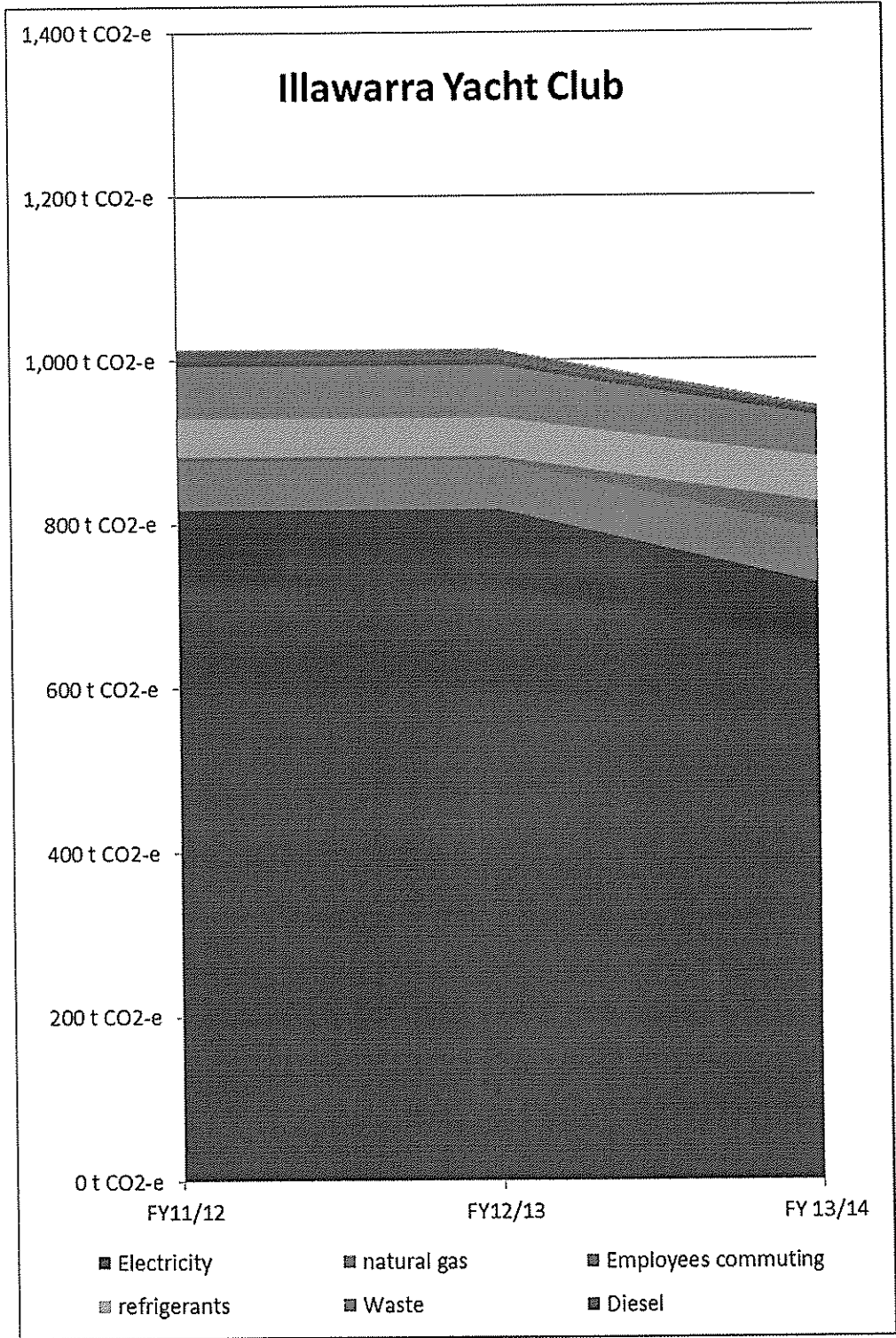


Figure 8: The development of GHG emissions at Illawarra Yacht Club

Electricity consumption is the biggest carbon hotspot at both Oak Flats Bowling & Recreation Club and at the Illawarra Yacht Club. For the past financial year the Club has been focusing on reducing the kWh consumption for the Illawarra Yacht Club. The following graphic shows the kWh consumption over the last three years for both clubs:

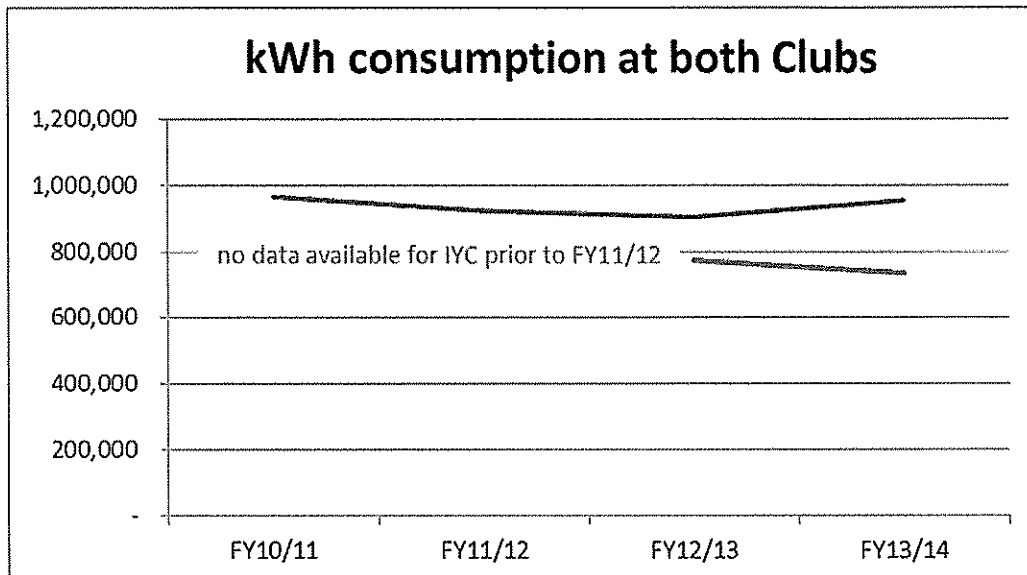


Figure 9: The kWh consumption at both Clubs

The kWh consumption has gone up slightly for Oak Flats Bowling & Recreation Club, but a clear downward trend for the Illawarra Yacht Club is evident.

The redevelopment of the Illawarra Yacht Club will also be the focus for the emission reduction strategy for next year.

## 9.1 Emission Reduction Measures

Table 3: Emission Reduction Measures

Emission source	Reduction Measure	Scope	Status	Reduction t CO <sub>2</sub> -e
Purchased electricity	Illawarra Yacht Club: Centralised commercial refrigeration plant installed at Illawarra Yacht Club.	2	Implemented this reporting period	91
Purchased electricity	<p>The focus of this year's emission reduction will be the Illawarra Yacht Club. The following emission reduction measures are planned:</p> <p>Skylights to be introduced to allow for natural lighting</p> <p>Cross Flow ventilation to be installed across the lake side upper level</p> <p>Cross Flow ventilation to be installed in the new Children's play area</p> <p>LED Lighting upgrade in the areas that have not yet been completed</p>	2	Planned for future reporting period	16
Total emission reductions implemented in this reporting period				91
Total expected emission reductions in future reporting periods				16

## 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
- The CEO Matt OHara was also awarded the NSW Government Sustainability Advantage Program Champion in 2013.
- In 2012 the CEO Matt OHara was also awarded the joint Alumnus of the year from Southern Cross University for his efforts in community and the environmental sustainability.

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

KEVIN GRATINGEN

Signature



Chairman

Position / Title of Signatory

15/06/2015

Date