SUSTAINABILITY PERFORMANCE DATA

Unless otherwise stated, Origin's Sustainability Report provides a summary of activities, operated assets and non-financial performance between 1 July 2014 and 30 June 2015 and all monetary amounts are in Australian dollars.

LAND ACCESS AND COEXISTENCE

Access agreements

	FY2015	FY2014
Australia Pacific LNG		
Total number of land access and compensation agreements executed during the period:	**59**	**309**
through negotiation	59	305
through alternative dispute resolution mechanisms	0	4
through court resolution	0	0
Number of indigenous land access agreements registered as at the end of the period	8	7
Number of Rights to Negotiate (RTN) agreements registered as at the end of the period	4	–
Number of Cultural Heritage Management Plans (CHMPs) in place as at the end of the period	9	9
Number of breaches of cultural heritage management plans and native title agreements	0	–
Other energy developments		
Total number of land access and compensation agreements executed during the period:	**18**	**–**
through negotiation	18	–
through alternative dispute resolution mechanisms	0	–
through court resolution	0	–
Number of indigenous land access agreements registered	0	–
Number of Cultural Heritage Management Plans (CHMPs) in place	2	–
Number of breaches of cultural heritage management plans and native title agreements	0	–

Landowner complaints

	FY2015
Total number of complaints received from landholders with whom we have or are negotiating a compensation agreement	**116**
Australia Pacific LNG	112
Other development projects	4

SUSTAINABILITY PERFORMANCE DATA

WATER MANAGEMENT

Total water withdrawal by source, by Business Unit (ML)

GRI G4-EN8

	Integrated Gas		Energy Markets			
FY 2015	**LNG**	**E&P**	**Eraring PS**	**Other EM**	**Corporate**	**Total**
Total water withdrawal	**18,059**	**342.7**	**2,570,363**	**133.8**	**59.6**	**2,588,958**
Surface water	558.0	0	2,568,737	0	–	**2,569,295**
Ground water	17,298.3	326.7	0	75.8	–	**17,701**
Municipal water	126.4	13.5	637	54.1	59.6	**891**
Rainwater	76	2.5	0	0.5	–	**79**
Waste water	0	0	989	3.4	59.6	**992**
FY 2014						
Total water withdrawal	**8,357**	**508**	**2,442,260**	**150**	**77**	**2,451,202**
Surface water	4	2	2,441,275	0	–	**2,441,281**
Ground water	7,087	490	98	50.2	–	**7,675**
Municipal water	601	13	880	95.4	77	**1,571**
Rainwater	665	3	4	2.2	–	**672**
Waste water	–	–	3	2.5	–	**3**

Produced water management

GRI G4-OG5

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Total volume of produced water (ML)	**16,871**	**6,929**	**4,988**	**5,130**	**4,596**
Australia Pacific LNG project produced water (ML)	16,760	–	–	–	–
Total volume of CSG water redirected to alternative uses (ML):					
River releases	476	1,224	1,961	2,454	–
Aquifer injection	1,808	53	145	48	–
Irrigation	8,160	2,927	589	458	–

Cooling water

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Total volume (ML) of cooling water used at Eraring Power Station	2,568,737	2,447,626	–	–	–
Daily average (ML) of cooling water returned to Lake Macquarie	7,018	6,684	–	–	–

Hydraulic fracture stimulation

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Number of wells where hydraulic fracture stimulation was used	37	48	–	–	–
% of wells drilled during the period that required hydraulic fracturing	10	9	–	–	–
Number of recorded or reported environmental incidents caused by our hydraulic fracturing activities	0	–	–	–	–

SUSTAINABILITY PERFORMANCE DATA

COMMUNITIES

Community complaints

GRI G4-SO11

	FY 2015	FY 2014	FY 2013	FY 2012
Total community complaints	**163**	**273**	**170**	**58**
— Integrated Gas	156	262	129	43
– Australia Pacific LNG	131	195	114	37
– Other IG	25	67	15	6
— Energy Markets	7	11	41	15
Total resolved complaints	**156**	**–**	**–**	**–**
— Integrated Gas	151	–	–	–
– Australia Pacific LNG	126	–	–	–
– Other IG	25	–	–	–
— Energy Markets	5	–	–	–

Sharing economic benefits

Local employment	FY 2015	FY 2014[1]
Number of Origin employees working in the Surat Basin at the end of the period	736	748
Number of Origin employees living in the region at the end of the period	283	253

(1) FY 2014 employee numbers restated.

G4-EC1

Economic value distributed ($m)	FY 2015	FY 2014	FY 2013	FY 2012
Net expenses (excluding stakeholders' payments)[1]	12,523	12,061	12,695	10,703
Depreciation and amortisation	809	732	695	614
Total operating costs	**13,332**	**12,793**	**13,390**	**11,317**
Employee wages and benefits net of taxes	**831**	**783**	**748**	**665**
Interest expense[2]	481	453	468	326
Dividends paid to shareholders	801	634	610	603
Total payments to providers of capital	**1,282**	**1,087**	**1,078**	**929**
Current income tax (benefit)/expense[3][4]	(20)	210	57	103
Royalties to government	23	39	29	31
Other taxes	55	50	46	43
Total government expenses	**58**	**299**	**132**	**177**
Community investments[5]	13[5]	76[5]	6	5
Total community contributions	**13**	**7**	**6**	**5**
Economic value distributed	**15,516**	**14,969**	**15,354**	**13,093**

(1) Excludes capital expenditure.
(2) Excludes capitalised interest.
(3) Income tax includes only current income tax (benefit)/expense. GST and deferred taxes are excluded.
(4) Includes all subsidiaries in Australia and overseas.
(5) Community investment totals $12.9 million in FY 2015 and $6.7 million in FY 2014. Rounded to the nearest million.

SUSTAINABILITY PERFORMANCE DATA

WASTE AND EFFLUENTS

Waste

GRI G4-EN23

Waste type and % recycled (tonnes)	FY 2015	FY 2014	FY 2013	FY 2012	FY2011
Naturally Occurring Radioactive Materials (NORM)	–	–	–	–	–
Waste oil	764	2,548	1,124	4,192	2,140
% recycled	99	99	82	100	100
Other hazardous waste (including fly ash)	1,726,915	1,206,870	5,974	14,297	2,990
% recycled	52	43	92	92	96
General waste	15,336	7,942	9,955	4,637	4,146
% recycled	23	19	12	32	23

Formation or produced water

GRI G4-OG5

	FY 2015	FY 2014	FY 2013	FY 2012	FY2011
Volume of formation or produced water (ML)	16,871	6,929	4,988	5,130	4,596

Drill muds and cuttings

GRI G4-OG7

	FY 2015	FY 2014	FY 2013	FY 2012	FY2011
Drill muds and cuttings (tonnes)	76,193	19,813	7,494	15,612	11,159

COMPLIANCE

Fines and Sanctions

GRI G4-EN29

	FY 2015	FY 2014	FY 2013	FY 2012	FY2011
Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations ($AUD)	0	7,400	–	–	–

GENERATION PORTFOLIO

Year ended 30 June 2015

GRI G4-EU1 & G4-EU2

	Location	Nameplate Plant Capacity (MW)	Type	Equivalent Reliability Factor	Capacity Factor	Electricity Output (GWh)
Eraring	NSW, Australia	2,880	Black coal	93.7%	53%	13,320
Darling Downs	Qld, Australia	630	Combined Cycle Gas Turbine	99.0%	77%	4,257
OCGT plants	Qld, Australia Vic, Australia SA, Australia NSW, Australia	1,974	Open Cycle Gas Turbine	98.3%	13%	2,267
Shoalhaven	NSW, Australia	240	Pump/Hydro	87.3%	0%	9
Cullerin Range	NSW, Australia	30	Wind	90.3%	34%	88
Internal Generation		**5,754**		**95.6%**		**19,942**
Externally contracted (50% share)	SA, Australia; WA, Australia	300[1]	Cogen	98.7%	91%	
Total		**5,994**		**96.7%**		

(1) Origin divested its 50% share in Bulwer Island on 23 June 2015. 300MW includes Origin's 50% interest in the 180MW Osborne plant for which Origin contracts 100% of the output.

SUSTAINABILITY PERFORMANCE DATA

GREENHOUSE GAS EMISSIONS

GHG Emissions Intensity

GRI G4-EN5

	FY2015	FY2014	FY2013	FY2012	FY2011
Operational Control Basis					
Generation (t CO_2-e/MWh)	0.77	0.77	0.74	0.75	0.44
Upstream Oil and Gas and LNG (t CO_2-e/TJ)	8.0[1]	6.84	7.0	5.7	6.0
Equity Basis					
Generation (t CO_2-e/MWh)	0.65	0.62	0.39	0.33	0.33
Upstream Oil and Gas and LNG (t CO_2-e/TJ)	11.2	7.75	8.4	7.8	8.0

(1) This data point combines Scope 1 and Scope 2 emissions intensity, to include electricity emissions from the electrification of LNG assets.

Direct GHG Emissions (Scope 1) kt CO_2-e

GRI G4-EN15

	FY2015	FY2014	FY2013	FY2012	FY2011
Operational Control Basis					
Energy Markets, of which:	15,418	13,387	12,411	1,676	1,662
— Eraring[1]	12,410	10,583	9,826	10,137	3,909
— Generation (exc. Eraring)	2,952	2,749	2,528	1,618	1,606
— LPG	41	40	45	48	48
— Cogent	15	15	12	10	8
LNG	742	892	657	–	–
Upstream Oil and Gas[2]	590	652	592	1,050	1,189
Others	3	3	3	3	5
Total Scope 1 – operational control	**16,753**	**14,934**	**13,663**	**12,866**	**6,765**
Equity Basis					
Energy Markets, of which:	16,089[3]	15,182	4,741	3,598	3,277
— Eraring	12,410	10,583	–	–	–
— Generation (exc. Eraring)	2,952	4,544	4,684	3,540	3,221
— JV Generation	671	–	–	–	–
— LPG	41	40	45	48	48
— Cogent	15	15	12	10	8
Contact Energy[4]	956	–	–	–	–
LNG	274	390	295	–	–
Upstream Oil and Gas (Aus)	698	708	741	1,012	1,076
Upstream Oil and Gas (NZ)	87	–	–	–	–
Others	3	3	3	3	5
Total Scope 1 – equity basis	**18,107**	**16,283**	**5,780**	**4,613**	**4,358**

(1) Origin assumed operational control of Eraring Power Station on 1 August 2013. Prior to this, Origin owned the output of Eraring Power Station from March 2011 under the previous GenTrader Arrangement with the New South Wales Government. Scope 1 and Scope 2 GHG emissions for FY 2011 and FY 2012 are included in these emissions calculations. In FY 2013, the emissions for these assets were transferred under a Financial Control Liability Transfer Certificate to an Origin owned entity and are included to align with our obligations under the *Clean Energy Act 2011*.
(2) Includes Upstream Oil and Gas New Zealand.
(3) Not including Contact Energy.
(4) Included for FY2015 however after the close of the period, Origin has divested its entire interest in Contact Energy.

Indirect GHG Emissions (Scope 2) kt CO_2-e

GRI G4-EN16

	FY2015	FY2014	FY2013	FY2012	FY2011
Operational Control Basis					
Energy Producing Sites	386[1]	113	184	42	50
Non-Energy Producing Sites	11	17	18	19	21
Total Scope 2	**397**	**130**	**202**	**61**	**71**
Equity Basis					
Energy Producing Sites	223[2]	99	56	28	22
Non-Energy Producing Sites	11	17	18	19	21
Total Scope 2	**234**	**116**	**74**	**47**	**43**

(1) Comprised of Generation (112 kt CO_2-e), Upstream Oil and Gas (33 kt CO_2-e) and LNG (241 kt CO_2-e).
(2) Comprised of Generation (112 kt CO_2-e), LNG (89 kt CO_2-e) and Upstream Oil and Gas (22) kt CO_2-e.

SUSTAINABILITY PERFORMANCE DATA

OTHER AIR EMISSIONS

NO_x, SO_x and other significant air emissions

GRI G4-EN21

	FY2015	FY2014	FY2013	FY2012	FY2011
Total nitrogen oxide (NO_x) (tonnes)	**25,728**	**23,237**	**–**	**–**	**–**
Energy Markets	23,191	19,626	–	–	–
Integrated Gas	2,537	3,611	–	–	–
Total sulphur oxides (SO_x) (tonnes)	**29,267**	**27,629.6**	**31**	**25.2**	**33.4**
Energy Markets	29,228	27,590.4	12.9	8.9	12.1
Integrated Gas	39	39.2	18.1	16.3	21.3
Total volatile organic compounds (TVOCs) (tonnes)	**1,166**	**–**	**–**	**–**	**–**
Energy Markets	236	–	–	–	–
Integrated Gas	930	–	–	–	–
Particulate matter (PM10) (tonnes)					
Eraring Power Station	829	440	395	–	–

CUSTOMERS

Customer accounts

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Total customer accounts (million)	**4.3**	**4.3**	**4.3**	**4.4**	**4.5**
Electricity	2.8	2.9	2.9	3.0	3.2
Natural gas	1.1	1.0	1.0	1.0	0.9
LPG	0.4	0.4	0.4	0.4	0.4

Net promoter score (NPS)

GRI G4-PR5

	FY 2015	FY 2014
Strategic NPS	-39	-48[1]

(1) October 2014 when NPS measure was introduced.

Ombudsman complaints

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Complaints per 1,000 customers	4.9	6.6	8	7.2	5.5

Hardship program

	FY 2015	FY 2014	FY 2013
Customers supported through PowerOn hardship program	23,453	20,670	17,615

SUSTAINABILITY PERFORMANCE DATA

SAFETY

Personal safety

GRI G4-LA6

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Total Recordable Injury Frequency Rate (TRIFR)[1]	3.8	5	6.7	7.9	6
Lost Time Injury Frequency Rate (LTIFR)[1]	1	1	–	–	–
Number of lost time cases[1]	31	39	–	–	–
Number of work days lost	80[2]	615[3]	–	–	–
Number of closed safety observations	80,456	70,688	–	–	–
Number of safety observations recorded	81,703	74,724	45,946	–	–

(1) Rolling 12 month average.
(2) Employees only.
(3) Employees and contractors.

Process safety

	FY 2015
Total number of process safety events	**8**
Number of tier one process safety events	3
Number of tier two process safety events	5

SUSTAINABILITY PERFORMANCE DATA

EMPLOYEE DATA

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Total number of employees[1]	6,922	6,701	5,658	5,941	5,213

(1) All Origin entities excluding Contact Energy.

Employees by employment contract and gender[2]

GRI G4-10

	FY 2015			FY 2014		
	Female	Male	Total	Female	Male	Total
Ongoing	2,213 39%	3,508 61%	**5,721**	2,153 39%	3,340 61%	**5,493**
Limited term	201 45%	243 55%	**444**	189 43%	251 57%	**440**
Casual	1 20%	4 80%	**5**	1 17%	5 83%	**6**
Total	**2,415**	**3,755**	**6,170**	**2,343**	**3,596**	**5,939**

Ongoing employees by employment status and gender[2]

Full time	1,847 35%	3,452 65%	**5,299**	1,818 36%	3,291 64%	**5,109**
Part time	366 87%	56 13%	**422**	334 87%	50 13%	**384**
Total			**5,721**			**5,493**

Employees by region and gender[2]

Australian Capital Territory	1 17%	5 83%	**6**	1 17%	5 83%	**6**
New South Wales	278 38%	449 62%	**727**	254 39%	404 61%	**658**
Northern Territory	2 18%	9 82%	**11**	1 8%	12 92%	**13**
Queensland	683 28%	1,755 72%	**2,438**	725 30%	1,723 70%	**2,448**
South Australia	478 58%	340 42%	**818**	468 58%	344 42%	**812**
Tasmania	13 32%	28 68%	**41**	13 32%	27 68%	**40**
Victoria	930 47%	1,043 53%	**1,973**	846 47%	953 53%	**1,799**
Western Australia	2 6%	32 94%	**34**	2 7%	25 93%	**27**
New Zealand	28 23%	94 77%	**122**	33 24%	103 76%	**136**
Total			**6,170**			**5,939**

(2) Origin Energy Limited Australia and Origin Energy Resources New Zealand employees only (excludes Eraring NSW, Contact Energy, LPG Asia Pacific and other international locations).

Employee engagement

	FY 2015
Employee engagement score	52%

SUSTAINABILITY PERFORMANCE DATA

DIVERSITY AND INCLUSION

Appointment of women to senior roles

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009	FY 2008
Rate of appointment of women to senior roles (%)	35.9	32.5	24.5	25.7	25.8	24.2	23.4	22.8

Senior female turnover

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009	FY 2008
Turnover of women in senior roles (%)	14.8	13.4	18.2	14.0	13.9	15.1	16.5	17.1

Equal remuneration for women and men

GRI G4-LA13

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009	FY 2008
Overall gap between average male and female fixed remuneration within each Job Grade (%)	0.40	1.30	1.03	1.20	0.94	2.71	3.07	3.54

SOCIETY

Public policy

GRI G4-SO6

	FY 2015	FY 2014	FY 2013
Total value of payments to political parties as reported to the Australian Electoral Commission (AEC)[1]	133,280[2]	97,354	68,055

(1) We require all employees to obtain approval from the Executive General Manager Corporate Affairs prior to making a political payment or attending a political event on behalf of Origin. In Australia, Origin is required to report to the Australian Electoral Commission (AEC) on payments to political parties, politicians and related institutions. When reporting to the AEC, Origin includes payments to attend meetings and functions and memberships to further policy discussions that are of commercial interest to the company.

(2) This increase is due to increased advocacy leading up to the Victorian, Queensland and NSW elections in FY 2015 and timing differences with membership payments in FY 2015 primarily relating to events that occur in FY 2016.