To	Company Announcements Office	Facsimile	1300 300 021
Company	ASX Limited	Date	21 February 2013
From	Helen Hardy	Pages	65
Subject	**HALF YEAR RESULTS - UPDATED PRESENTATION**		

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Attached is an updated presentation to analysts and financial markets. This is the same as that released to the market at 8.54am this morning, with the addition of slide 12 which relates to the credit rating announcement made by Standard and Poor's today and the repetition of slide 5 as slide 58.

Regards

Helen Hardy
Company Secretary

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2013 Half Year Results Announcement

Half Year Ended 31 December 2012

Grant King, Managing Director
Karen Moses, Executive Director, Finance and Strategy

21 February 2013

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Forward looking statements

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Outline

1. Performance Highlights

Grant King, Managing Director

Origin is focusing on maximising cash flow from the existing business, progressing the APLNG project and strengthening its funding position

Existing Business Responding to Challenges

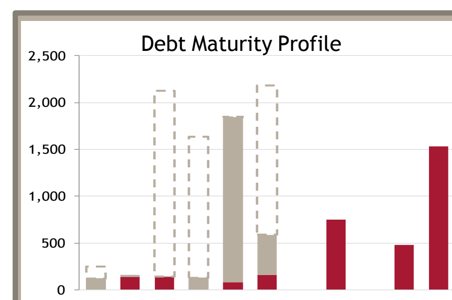
- Reduced sales volumes and margin compression due to regulatory constraints, higher cost of energy and competitive pressures in Energy Markets
- Stabilisation of retail systems, improved customer acquisition and retention
- Continued business restructuring, lowering costs and improving cash flows

APLNG Confidence in Schedule & Cost

- Upstream 29% complete, downstream 31% complete
- Project now on a schedule for Train 2 start up by end of 2015, with a corresponding three month acceleration of revenues
- Increase in Project capital costs of 7% to $24.7 billion
- Contingency now over 10% of future forecast costs to completion

Funding Strengthened

- $5.4 billion of undrawn committed debt facilities and cash to support Origin's investment in APLNG
- Origin's funding requirement for APLNG from 1 January 2013 estimated at $4.4 billion



Results

Statutory Profit*	**$524 m**	**down**	**34%**
Statutory EPS*	48.0 cps	down	35%
Net items excluded from Underlying Profit[1]	$162 m	down	47%
Underlying Profit*	**$362 m**	**down**	**26%**
Underlying EPS*	33.2 cps	down	27%
Underlying EBITDA*	**$1,055 m**	**down**	**9%**
Interim Dividend Fully Franked	25.0 cps	steady	-
Group OCAT* (incl. share of APLNG)[2]	$461 m	down	37%
Free cash flow*	$527 m	down	6%
Capital Expenditure and Origin's cash contributions to APLNG[3]	$839 m	down	19%
Total Recordable Injury Frequency Rate	8.1	up from	6.5[4]

* *Refer to Glossary in Section 5.*

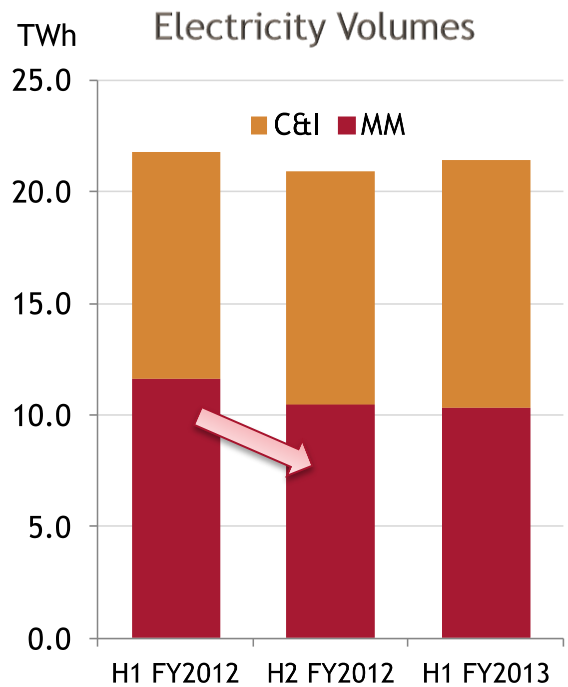
(1) *A breakdown of Items excluded from Underlying Profit is provided on slide 15.*

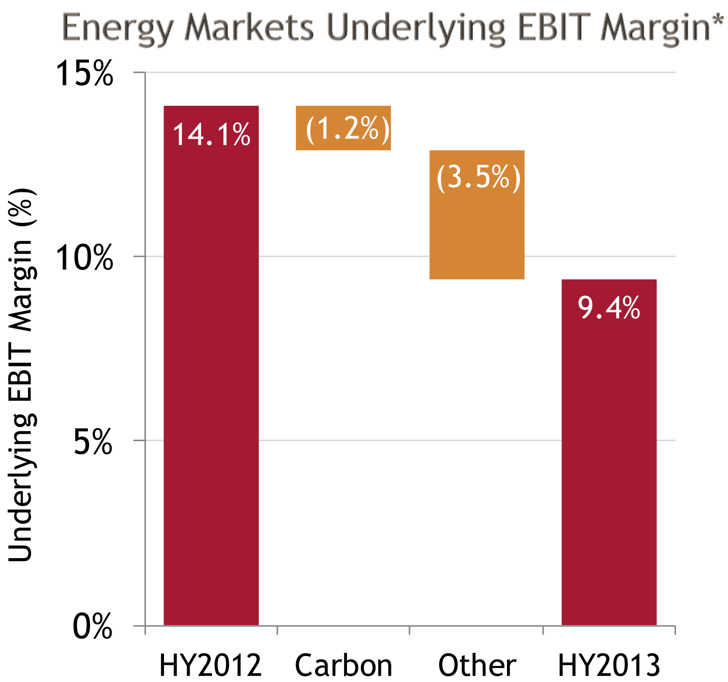
(2) *Refer to slide 18 for detail.*

(3) *Capital expenditure is based on cash flow amounts rather than accrual accounting amounts; includes growth and stay-in-business capital expenditure, capitalised interest, acquisition expenditure and Origin's cash contributions to APLNG made partially via loan repayments.*

(4) *Revised from the previously reported 6.3 due to retrospective data updates.*

Energy Markets performance was impacted by lower volumes and reduced margins in Electricity



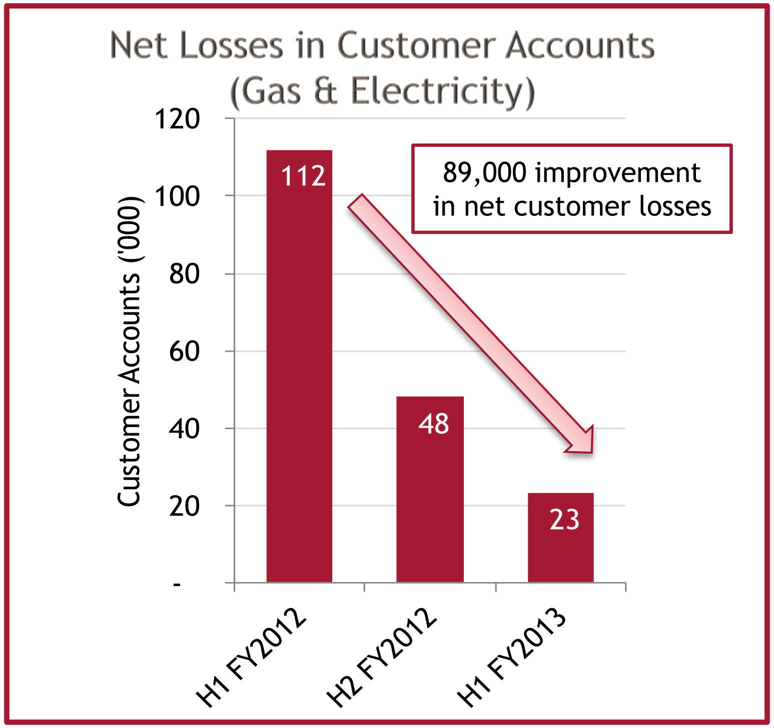


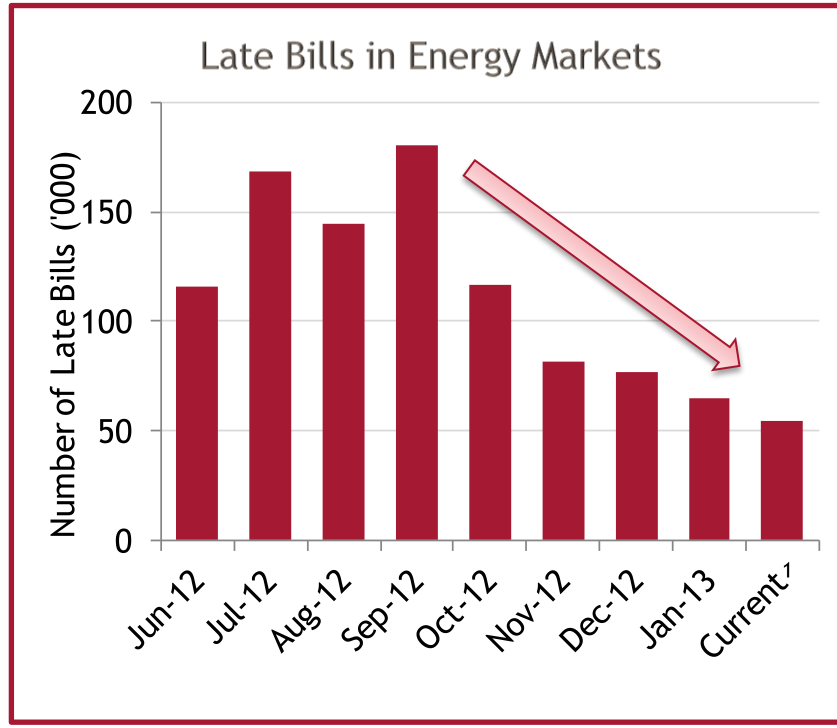
- Origin's average electricity customers were 179,000 lower than H1 FY2012, driving a net 2% reduction in electricity sales
- The bulk of mass market losses occurred in H1 FY2012

- Carbon pass-through (-1.2%)
- Lower wholesale energy cost allowance in Queensland tariffs
- Higher wholesale energy costs across NEM
- Increased market competitiveness resulting in a change in customer mix and increased discounts

 * *Refer to Glossary in Section 5.*

Stabilisation of the new SAP billing and customer management system is well advanced, enabling increased win and retention activity …



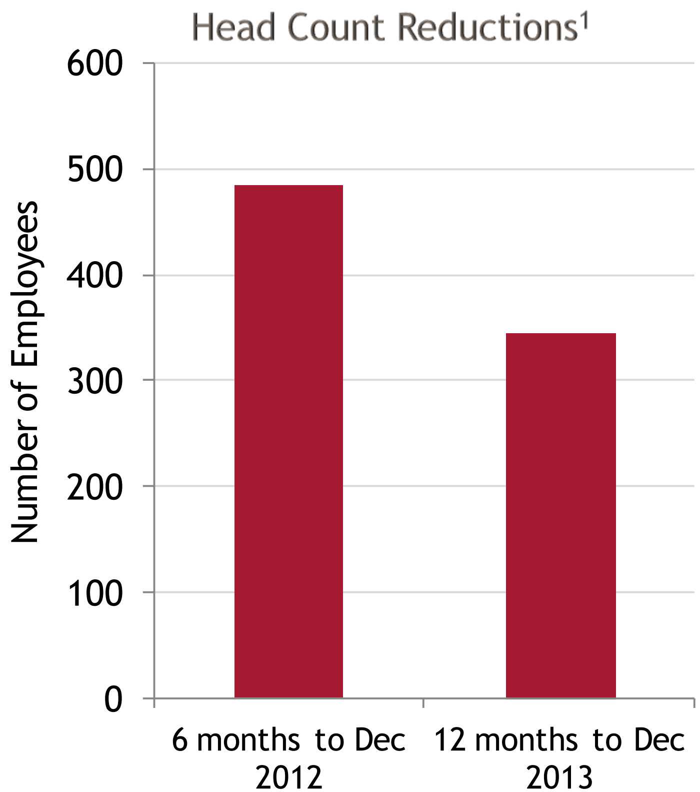


… with resolution of short-term issues affecting billing and collection to improve cashflow

 (1) As at 14 February 2013

Origin is undertaking restructuring initiatives to lower costs …

OPERATIONAL EFFECTIVENESS



ASSET CONSOLIDATION

A review of investment activities and assets has resulted in:

- Discontinued investment in Transform Solar and Geodynamics
- Suspension of operations at Kincora gas plant in the Surat Basin
- Pending sale of TAWN assets in NZ and Jingemia oil field in the Perth Basin
- Sale of future non-core oil and condensate production
- Deferred development of Ironbark
- Contact: pending sale of gas metering business and the New Plymouth power station site

… which will deliver earnings and cash flow benefits in FY2014 and beyond

 (1) Includes Contact; excludes employees from the upstream operations of APLNG

Confidence in the delivery of the APLNG project was confirmed through a project review, resulting in acceleration of the schedule for Train 2 …

Upstream Project
29% Complete

Downstream Project
31% Complete

SCHEDULE

- Train 1 on track to be complete on, or ahead of schedule, with first LNG sales expected in mid calendar year 2015
- Train 2 expected approximately three months ahead of FID schedule, with start up in late calendar year 2015

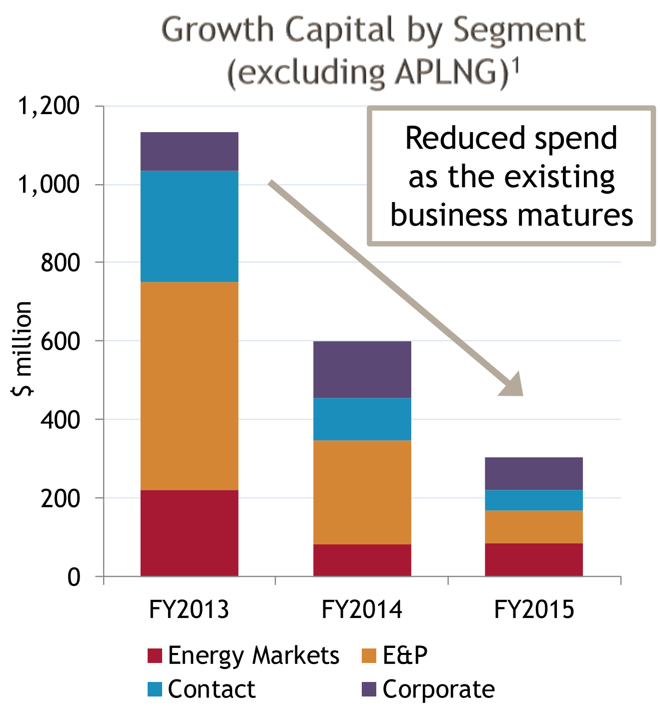
COST

- Increase in Project costs from FID1 to first LNG from Train 2 of 7% to $24.7 billion, primarily attributed to greater than anticipated gathering quantities, increased CSG water management infrastructure, cost increases for third party LNG projects in which Australia Pacific LNG has an interest, and an increased allowance for project contingency
- Contingency now over 10% of forecast cost to completion

… and an increase in Project costs of 7% to $24.7 billion

Committed undrawn debt facilities and cash, combined with cash flows from operations, provide sufficient liquidity for Origin to fund its investment in APLNG …

origin



Options to fund APLNG

Free cash flow from existing business

$5.4 billion[2] in cash and undrawn committed debt facilities

$4.4 billion[3] funding requirement for Origin's share of APLNG spend from 1 Jan 2013

… with no refinancing of current facilities required until FY2015

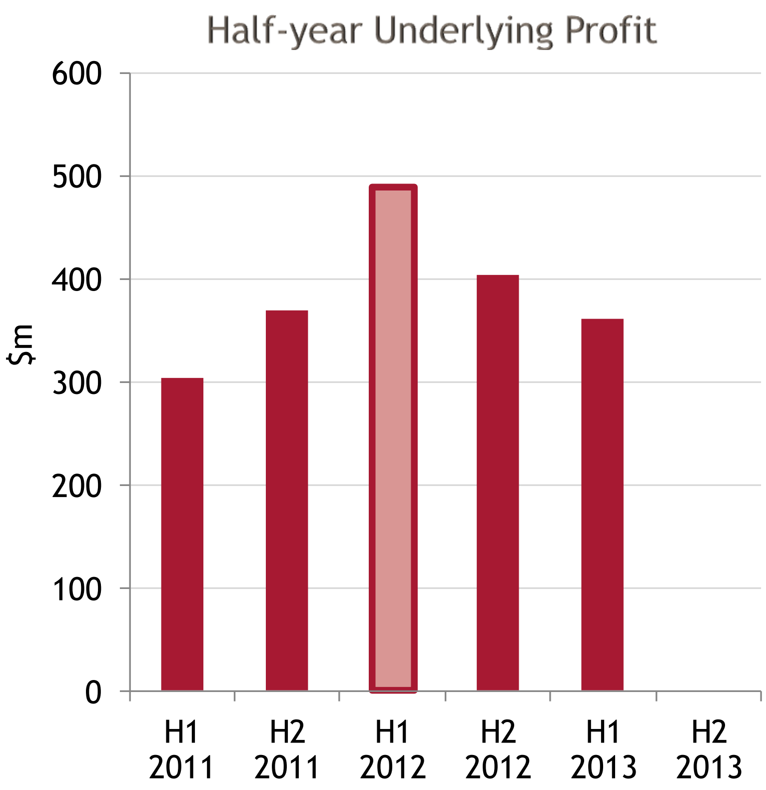
(1) Forward looking numbers are based on management's estimates of expenditure.
(2) Excludes Contact and bank guarantees.
(3) Forward looking APLNG numbers represent Origin's expected cash contributions, post the Sinopec injection and project finance, rather than Origin's share of total APLNG capital expenditure; based on Origin's shareholding in APLNG of 37.5%; made partially via loan repayments

Origin confirms no intention to raise equity on the back of credit rating update …

- Standard and Poor’s today revised Origin’s credit rating from BBB+ (negative outlook) to BBB (stable)
- Standard and Poor’s credit rating determination is not dependent on the outcome from the dilution process in APLNG
- Committed undrawn debt facilities, together with operating cash flow from the business, provide sufficient liquidity to fund Origin’s investment in APLNG and the requirements of Origin’s existing businesses, without the need for any refinancing until the 2015 financial year
- The rating outcome positions Origin well to support the existing business and to continue to fund its commitment to APLNG from existing debt facilities

… irrespective of the outcome from the dilution process in APLNG

Expected performance for FY2013 is within guidance provided in November 2012, with the exception of high electricity price events that occurred in Queensland in January 2013



In the second half of FY2013 Origin expects:

- Regulatory pressures and market competitiveness in Energy Markets to continue
- Continued investment in customer acquisition and retention as well as business restructuring
- Retail Transformation stabilisation to improve the effectiveness of billing and collection processes, improve competitiveness and reduce costs
- Exploration & Production, APLNG and Contact to have increased contributions

These events are unable to be absorbed in the previous guidance range. Guidance for Underlying Profit for the current year is now 10% to 15% below the prior year

2. Financial Review

Karen Moses, Executive Director, Finance and Strategy

2013 Half Year Financial Highlights

origin

($ million)	Dec 12	Dec 11	Change
Statutory Profit	**524**	**794**	**(34%)**
Statutory EPS	48.0 cps	73.8 cps	(35%)
Revenue	7,379	6,499	14%
Underlying EBITDA*	1,055	1,157	(9%)
Underlying EBIT*	698	832	(16%)
Underlying Profit	**362**	**489**	**(26%)**
Underlying EPS	33.2 cps	45.5 cps	(27%)
Group OCAT (incl. share of APLNG)	461	736	(37%)
Free cash flow per share*	48.2 cps	51.7 cps	(7%)
Capital Expenditure and Origin's cash contributions to APLNG[1]	839	1,036	(19%)
Origin Undrawn Committed Debt Facilities and cash[2]	5,431	4,191[3]	30%

* *Refer to Glossary in Section 5.*

(1) *Capital expenditure is based on cash flow amounts rather than accrual accounting amounts; includes growth and stay-in-business capital expenditure, capitalised interest, acquisition expenditure and Origin's cash contributions to APLNG made partially via shareholder loan repayments.*

(2) *Excluding Contact and bank guarantees.*

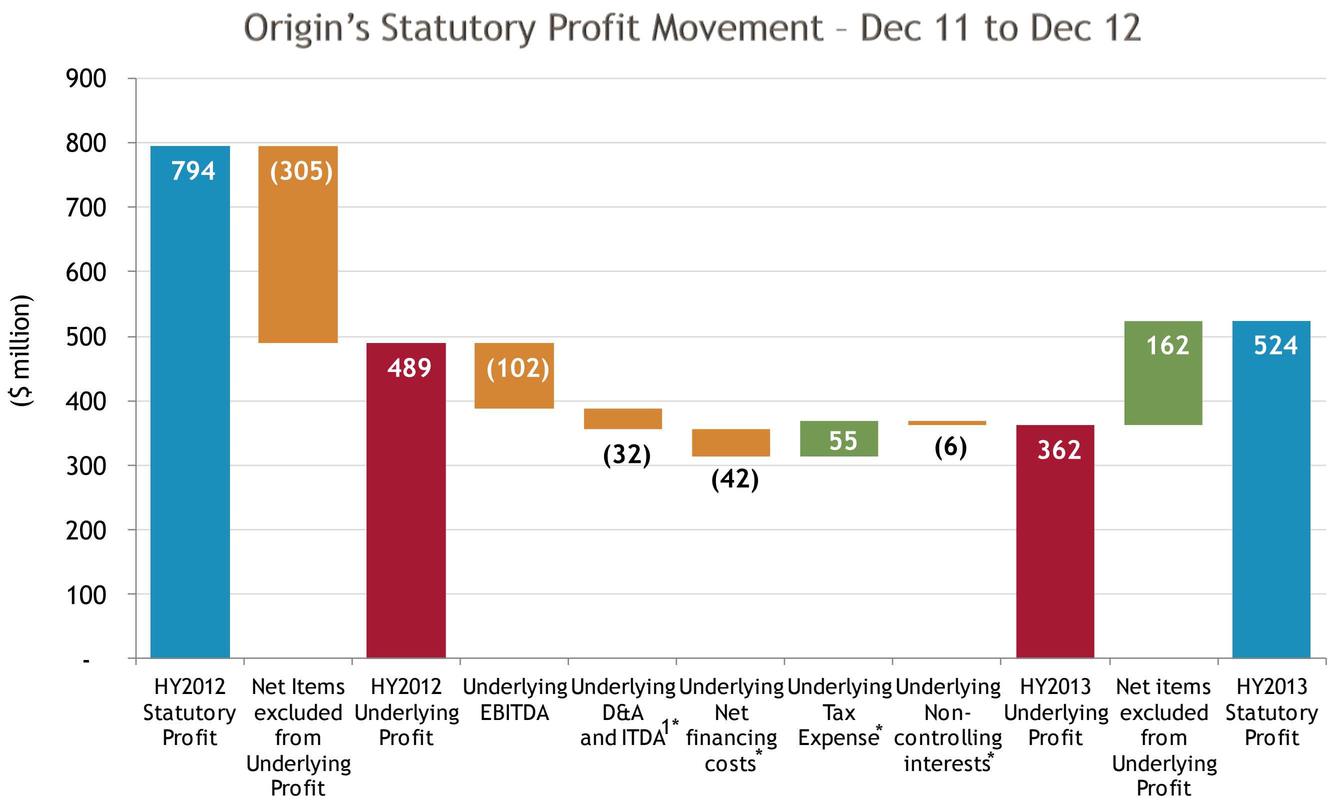
(3) *As at 30 June 2012*

Reconciliation of Statutory Profit to Underlying Profit

($ million)	Dec 12	Dec 11	Change
Statutory Profit	**524**	**794**	**(270)**
Items Excluded from Underlying Profit			
APLNG related items	291	454	(163)
(Decrease) / increase in fair value of financial instruments	(83)	34	(117)
Impairment of assets	(2)	(139)	137
Other	(44)	(44)	-
Total Items Excluded from Underlying Profit	162	305	(143)
Underlying Profit	**362**	**489**	**(127)**

- APLNG related items: primarily the gain on dilution of Origin's interest in APLNG (+$358m) and financing costs related to APLNG funding (-$65m)
- Fair value of financial instruments: decrease primarily related to structured electricity caps and Renewable Energy Certificates
- Other: primarily transition of the acquired NSW energy assets and costs relating to the Retail Transformation Programs (-$49m)

Statutory Profit down 34%, from $794 million to $524 million



Underlying Profit declined 26% reflecting a 9% decline in Underlying EBITDA (down $102m to $1,055m) and:

- Underlying D&A (up $31m to $336m) - completion of Mortlake Power Station, Retail Transformation, increased production from the Otway Basin, and works in relation to Eraring
- Underlying net financing costs (up $42m to $126m) - interest no longer being capitalised on Ironbark, reduced capitalised interest for Mortlake Power Station and higher average net debt, partially offset by lower average interest rates
- Underlying income tax expense (down $55m to $172m) in line with a decrease in Underlying Profit

Underlying Profit down 26%, from $489 million to $362 million

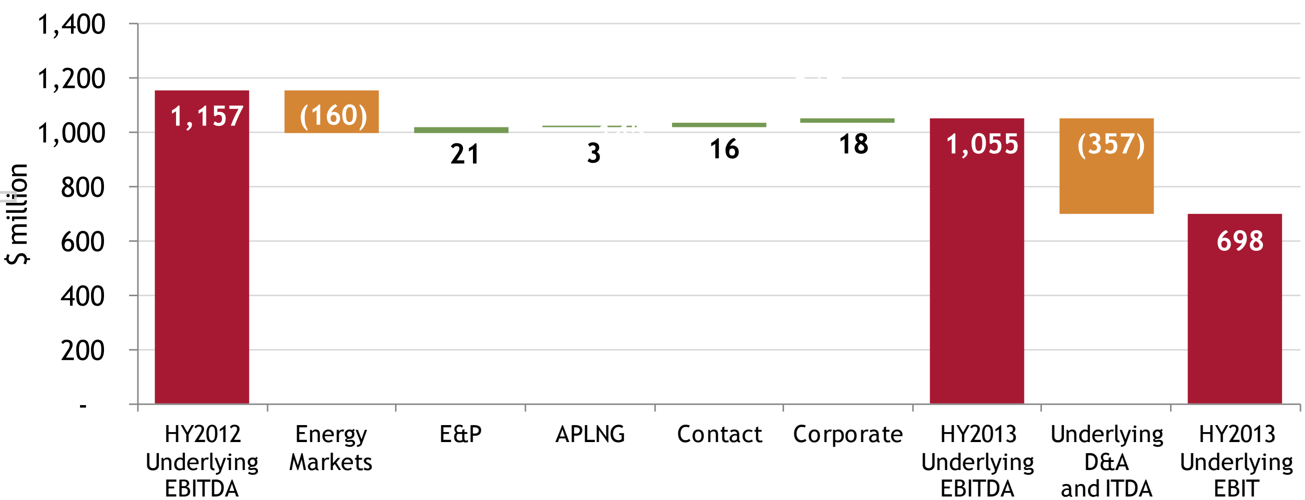
* *Refer to Glossary in Section 5.*

(1) *Share of interest, tax, depreciation and amortisation of equity accounted investees.*

Underlying EBITDA down 9% to $1,055 million
Underlying EBIT down 16% to $698 million

origin

($ million)	Underlying EBITDA			Underlying EBIT		
	Dec 12	Dec 11	% change	Dec 12	Dec 11	% change
Energy Markets	660	820	(20%)	516	697	(26%)
Exploration & Production	200	179	12%	79	67	18%
Australia Pacific LNG	19	16	19%	1	3	(67%)
Contact Energy	198	182	9%	124	107	16%
Corporate	(22)	(40)	(45%)	(22)	(42)	(48%)
Total	**1,055**	**1,157**	**(9%)**	**698**	**832**	**(16%)**



The decline in performance in Energy Markets due to:

- lower electricity volumes
- reduced margins due to regulatory constraints, higher cost of energy and competitive pressures

Group OCAT reduced due to lower Underlying EBITDA, higher working capital and tax paid …

($ million)	Dec 12	Dec 11	Change
Underlying EBITDA	1,055	1,157	(102)
Change in working capital	(268)	(192)	(76)
Stay-in-business capex	(124)	(99)	(25)
Share of APLNG OCAT net of EBITDA	(7)	14	(21)
Exploration expense	2	11	(9)
NSW acquisition related liabilities	(95)	(139)	44
Other[1]	(22)	(3)	(19)
Tax paid	(80)	(13)	(67)
Group OCAT * (incl. share of APLNG)	461	736	(275)
Net interest paid	(218)	(174)	(44)
Oil Sale Agreement	284	-	284
Free cash flow	527	562	(35)
Productive Capital*	15,116	13,638	1,478
Group OCAT Ratio*	9.1%	10.5%	(1.4%)

Change in working capital: Primarily due to billing delays and collections, offset by a carbon benefit

NSW acquisition related liabilities: Decrease in utilisation of non-cash provisions for TSA's and onerous hedge contracts

Net interest paid: Higher average net debt balances relating to funding capital investments, principally APLNG

Oil Sale Agreement: Proceeds from an agreement for the future sale of oil and condensate production from FY2016 to FY2021

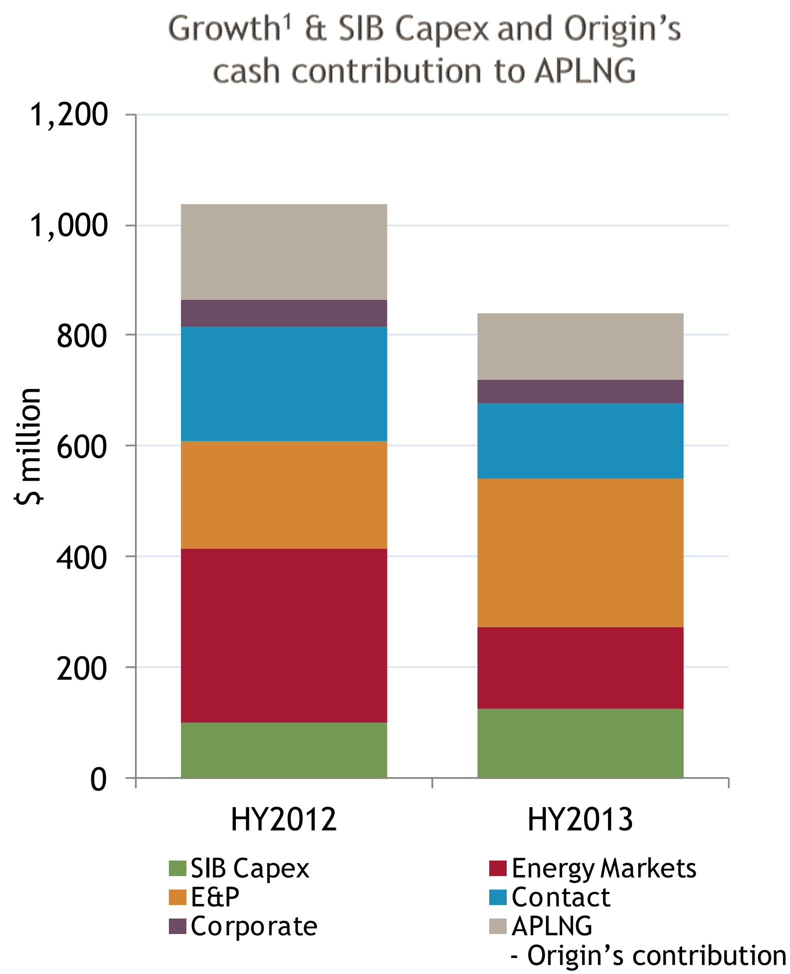
Productive Capital: Full 12 months from NSW energy assets, inclusion of Mortlake, Retail Transformation, works in relation to Eraring and Contact's Stratford Peaker

… which results in lower returns

* *Refer to Glossary in Section 5.*

(1) *The add-back of non-cash equity accounted profits excluding APLNG and movements in other provision balances are included within the "Other" line item.*

Capital expenditure, including cash contributions to APLNG, was significantly lower than the prior half year …



GROWTH

Key areas of total growth capex of $596m included:

- Mortlake Power Station $47m
- BassGas $53m
- Otway $144m
- Te Mihi $117m

APLNG

100% capital expenditure within APLNG $4.0b[2]

- Origin's cash contribution of $119m made via shareholder loan repayment

SIB Capex by Segment:

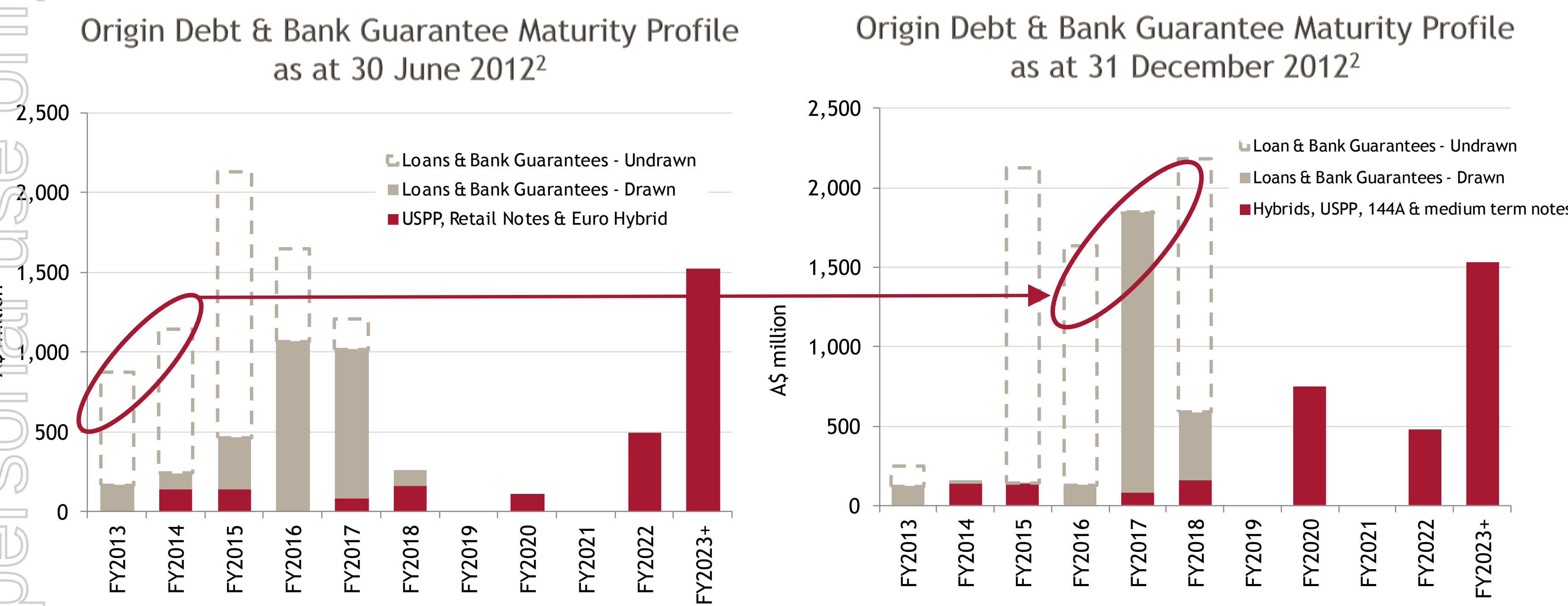
- Energy Markets $47m
- E&P $56m
- Contact $20m

… while APLNG was primarily funded by equity from the second Sinopec transaction and project finance drawdown

(1) Includes capitalised interest of $36 million (December 11: $89 million).

(2) Total APLNG capital expenditure is on an accruals basis while Origin capital expenditure is based on cash flow amounts inclusive of capitalised interest.

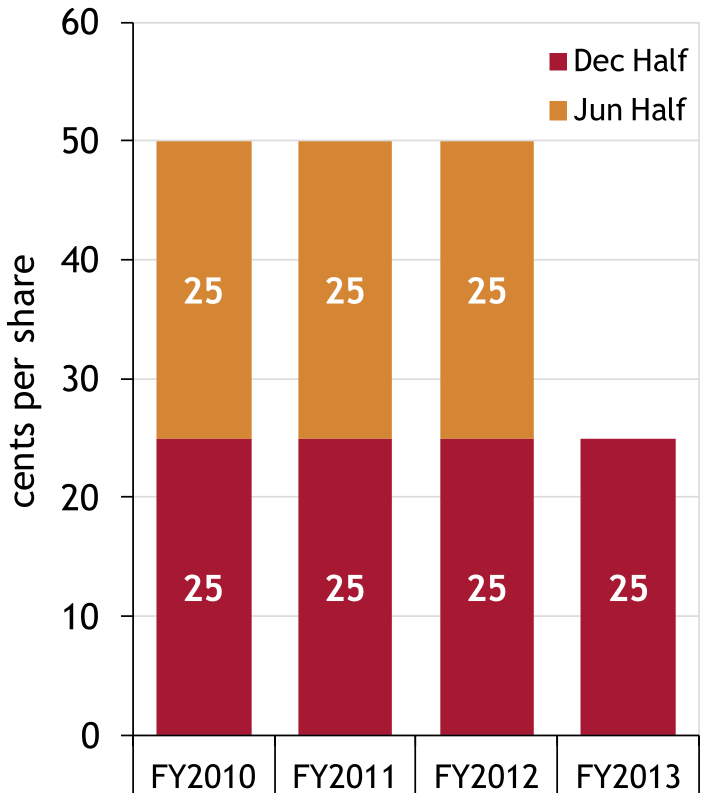
Origin's funding initiatives during the half year have increased undrawn committed debt facilities and cash from $4.2 billion[1] at June 2012 to $5.4 billion[1] at December 2012



- €500 million seven year medium term notes issuance, maturing in FY2020
- $2.4 billion syndicated bank loan facility with terms of four and five years, maturing in FY2017 and FY2018
- Origin entered into an agreement for the future sale of oil and condensate production from FY2016 to FY2021, with upfront proceeds of US$300 million

(1) Excludes Contact and bank guarantees.
(2) Excludes Contact.

A fully franked interim dividend of 25 cps has been determined, representing a payout ratio of 75% of Underlying EPS



	FY2010	FY2011	FY2012	FY2013
Franking	100%	100%	100%	100%
Payout Ratio	77%	70%	61%	75%

- Ex-dividend date: 26 February 2013
- Record Date: 4 March 2013
- Payment Date: 4 April 2013
- The Dividend Reinvestment Plan will apply to this interim dividend with zero discount
- The interim Dividend Reinvestment Plan will not be underwritten

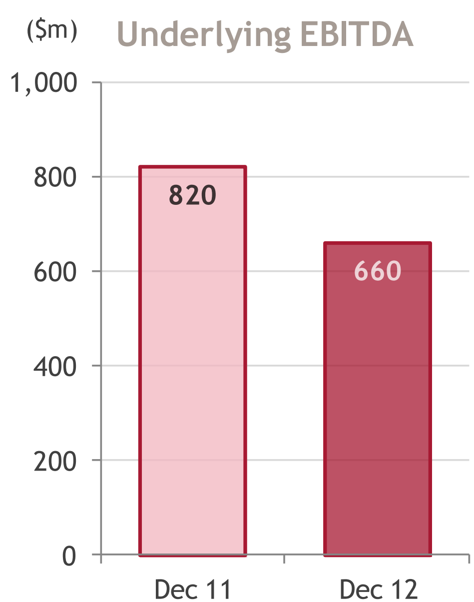
Origin intends to maintain annual dividends set at the minimum of 50 cents or a payout ratio of 60% of annual Underlying EPS

3. Operational Review

Grant King, Managing Director

Energy Markets

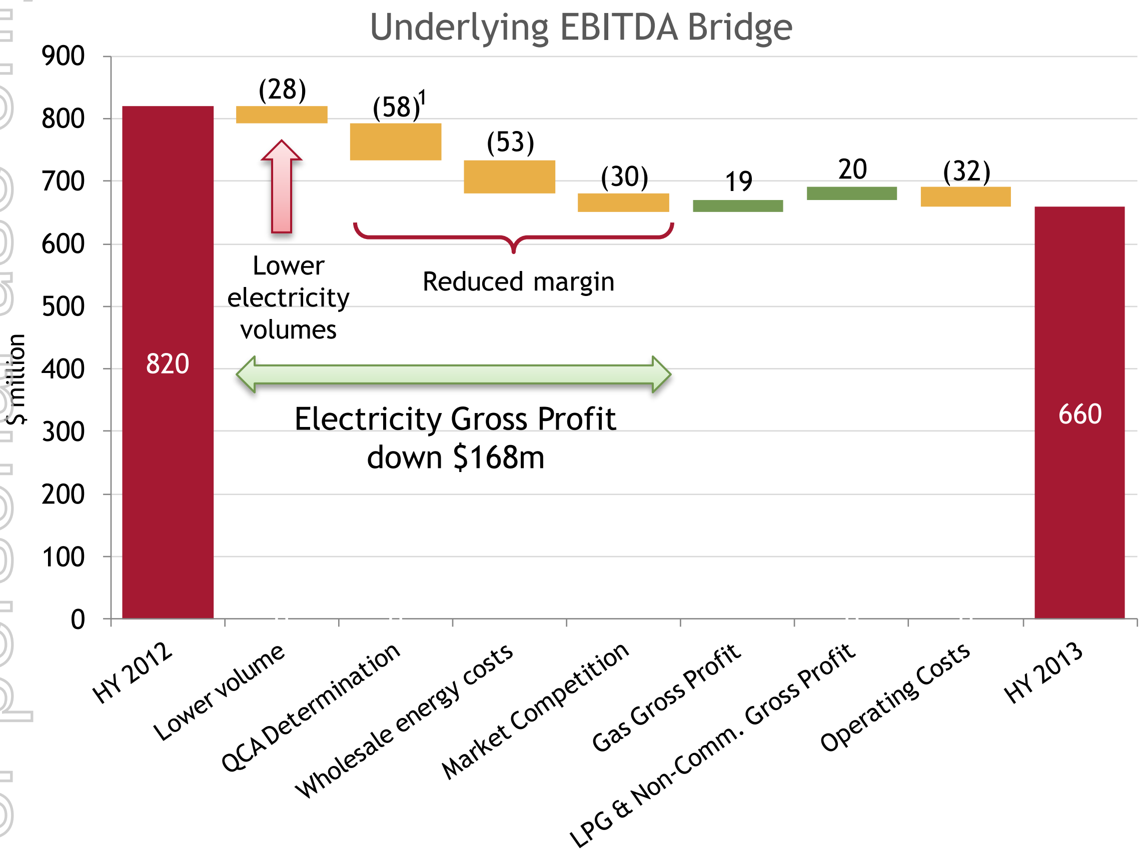
- Underlying EBITDA down 20% to $660 million
- Reduced Electricity Gross Profit (-18%) partially offset by increases in Natural Gas (+15%), Non-Commodity (+61%) and LPG (+10%)
- Electricity volumes down 2% or 0.4 TWh
- Underlying EBIT margin* contraction from 14.1% to 9.4%
- Integration of Integral Energy NSW customers completed in January 2013
- SAP now providing benefits through increased customer acquisition and retention activity, the launch of new products and services, with focus on restoring temporary late bill and collection issues
- Cost reduction programs have commenced, including a 10% reduction in full time equivalent employees during the half year



- ⇧ Higher Gross Profit in Natural Gas, Non-commodity and LPG
- ⇩ Lower electricity volumes
- ⇩ Reduced electricity margin

* *Refer to Glossary in Section 5.*

The decrease in Energy Markets Underlying EBITDA was largely due to a decline in Electricity Gross Profit …



- Lower electricity volumes
- Unfavourable tariff determination in Queensland, reducing revenue
- Higher wholesale energy costs
- Increased market competitiveness driving a change in customer mix and increased pricing discounts
- Solid growth in gas volumes
- Increased LPG and Non-commodity Gross Profit
- Investment in acquisition and retention activities and redundancy costs increasing operating costs

… partially offset by stronger performance from the Natural Gas, LPG and Non-commodity businesses

 (1) Gross, unmitigated impact of QCA determination.

Electricity Gross Profit was down due to a reduction in volume and margin …

Performance metrics, $m (% change from Dec 11)	Natural Gas	Electricity	Non-commodity	LPG
Revenue ($m)[1]	749 (+20%)	4,284 (+12%)	102 (-25%)	371 (+6%)
Gross Profit* ($m)	145 (+15%)	762 (-18%)	29 (+61%)	103 (+10%)
Underlying EBITDA ($m)	660 (-20%)			
Underlying EBIT ($m)	516 (-26%)			
Underlying EBIT Margin (%)	9.4% (14.1% for HY2012)			
Volumes sold[2]	70 PJ (+3%)	21 TWh (-2%)	N/A	240 kT* (-2%)
Period-end customer accounts ('000)[3]	1,002 (+4%)	2,952 (-2%)	N/A	374 (-2%)
Average customer accounts ('000)[3,4]	981 (+4%)	2,975 (-4%)	N/A	380 (+3%)
Gross Profit per customer ($)	148 (+10%)	256 (-13%)	N/A	271 (+2%)
Cost to serve per customer($)	(78) (13%)			
Underlying EBITDA per customer ($)	159 (-19%)			84 (+5%)
Underlying EBIT per customer ($)	126 (-25%)			47 (+9%)

Decline in Electricity Gross Profit

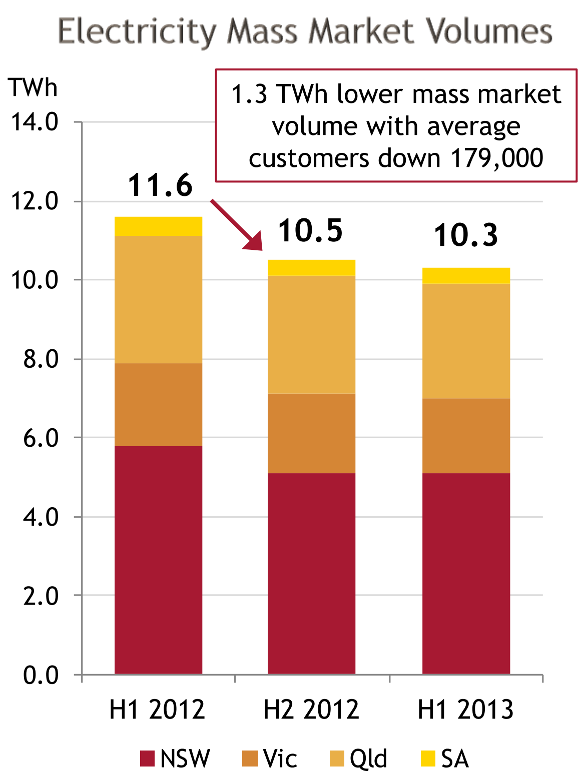
Reduced EBIT Margin (carbon contributing 1.2%)

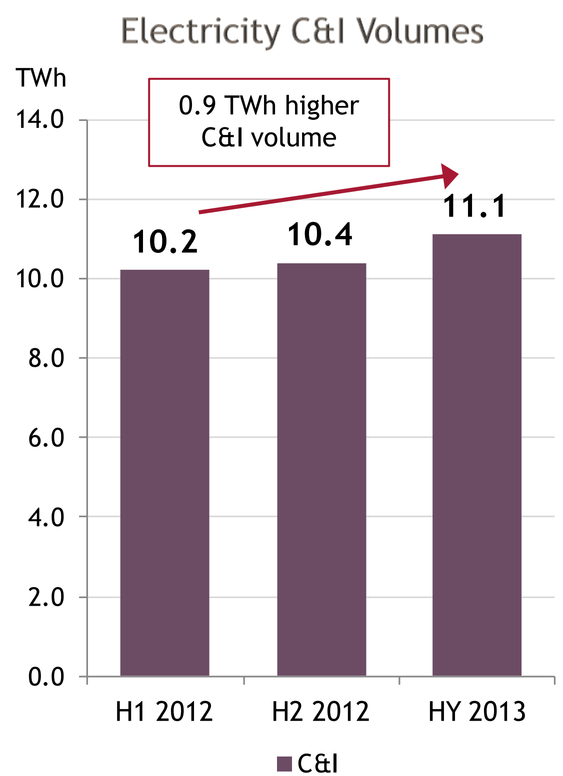
Lower electricity volumes

… with Underlying EBIT margin declining from 14.1% to 9.4%

* *Refer to Glossary in Section 5.*
(1) *Excludes pool revenue from the sale of electricity (when Origin's internal generation portfolio is dispatched) and revenue from the sale of gas swaps to major customers at no margin. These revenues, along with the associated costs, are netted off in cost of goods sold.*
(2) *Does not include internal sales for Origin's gas-fired generation portfolio (Dec 2012: 23 PJ, Dec 2011: 15 PJ).*
(3) *Customer account movement since 30 June 2012.*
(4) *Average customer accounts is calculated as the average of the month-end customer numbers for each month of the half year.*

During the implementation of Retail Transformation, constraints on retention and acquisition activity led to reduced mass market customers and volumes …





- 0.4 TWh net reduction in Electricity volumes led to a $28 million decline in Electricity Gross Profit

… with successful tendering of C&I customers largely offsetting the decline in volume

Regulatory constraints and higher wholesale energy costs were the primary drivers of lower Electricity margin

Electricity Performance ($/MWh)	Dec 12	Dec 11	Change
Revenue			
Combined Revenue	**200**	**175**	**25**
C&I	136	114	22
Mass Market	266	228	38
Cost of goods sold			
Network costs	(88)	(81)	(7)
Wholesale energy portfolio costs	(71)	(46)	(25)
Generation operating costs	(6)	(6)	(0)
Energy procurement costs	(77)	(52)	(25)
Total Cost of Goods Sold	**(165)**	**(133)**	**(32)**
Gross Profit	**36**	**43**	**(7)**
Gross profit per customer ($)[1]	**256**	**295**	**(13%)**

Revenue uplift reflects:
- recovery of carbon
- recovery of network costs

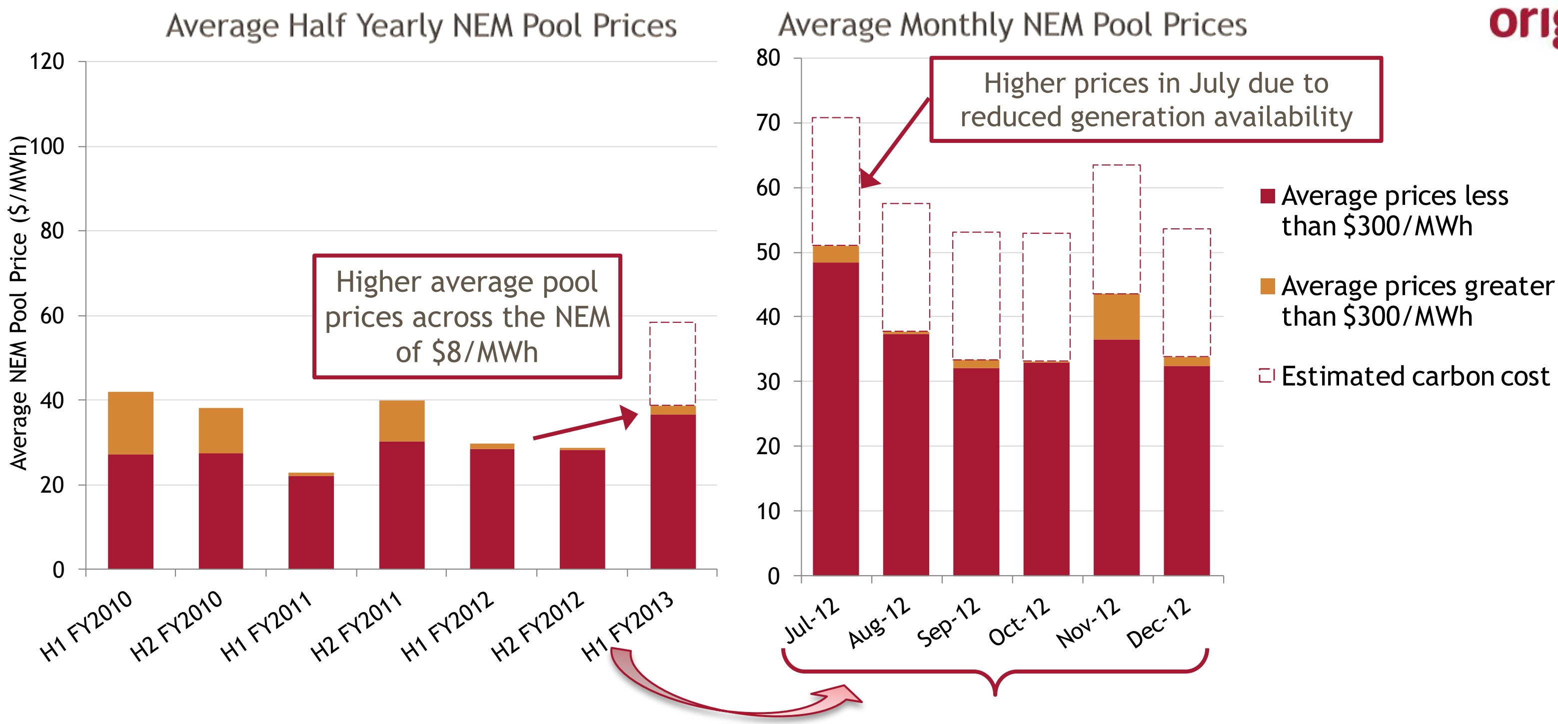
The recovery of wholesale energy costs is limited by:
- QCA tariff determination
- Change in customer mix between C&I and mass market
- Increased discounts, in particular in the SME segment

Higher energy costs reflect:
- Cost of carbon
- Increased mandatory green schemes
- Higher energy prices

Reduced unit gross profit

(1) Based on average customer accounts

The QCA tariff determination reduced the wholesale energy cost allowance …



- The QCA Determination reduced the wholesale energy cost allowance by $30/MWh, partially offset by a $10/MWh increase in the retail margin, resulting in a $58 million impact to Origin's Electricity Gross Profit
- Higher wholesale prices across the period, particularly in July 2012 due to flooding at the Yallourn coal mine, contributed to a $53 million impact to Electricity Gross Profit
- Notwithstanding the higher wholesale prices, the spot market did not increase to a level higher than the contract market, leaving Origin's overall short portfolio position well placed

… while overall market wholesale costs increased, with spot prices up $8/MWh, increasing Origin's wholesale electricity costs[1] by $2.50/MWh

(1) Excluding the increase for the carbon price and mandatory green schemes

Natural Gas Gross Profit up 15% due to increased volumes in Victoria and customers in New South Wales …

Gas Performance ($/GJ)	Dec 12	Dec 11	Change
Revenue			
Combined Revenue	**10.7**	**9.2**	**1.5**
C&I	5.9	5.4	0.5
Mass Market	20.4	17.4	3.0
Cost of goods sold			
Network costs	(4.3)	(3.8)	(0.5)
Energy purchase costs	(4.3)	(3.5)	(0.8)
Total Cost of Goods Sold	**(8.6)**	**(7.3)**	**(1.3)**
Gross Profit	**2.1**	**1.9**	**0.2**
Gross profit per customer ($)[1]	**148**	**135**	**+10%**

Tariff increases include recovery of network, wholesale energy, and carbon cost increases

Reflects introduction of the carbon scheme

Increased unit gross profit

… and effective management of energy procurement costs, with a flat underlying cost of gas relative to an increasing market price

(1) Based on average customer accounts

Higher customer wins and retention, combined with business restructuring, increased operating costs …

Cost-to-serve	Dec 12	Dec 11	Change
Total Natural Gas, Electricity & non-commodity operating costs ($m)[1]	**(309)**	**(283)**	**(26)**
Maintenance costs ($m)	(249)	(239)	(10)
Acquisition & retention costs ($m)	(60)	(44)	(16)
Average customer accounts ('000)	**3,956**	**4,087**	**(131)**
Cost to serve ($ per customer)	**(78)**	**(69)**	**(9)**
Cost to maintain ($ per customer)	(63)	(58)	(5)
Cost to acquire/retain ($ per customer)	(15)	(11)	(4)
Cost per acquire/retain ($ per acquire/retain)[2]	**(85)**	**(80)**	**(5)**

Increased operating costs

Redundancy costs

Increased acquisition and retention activity

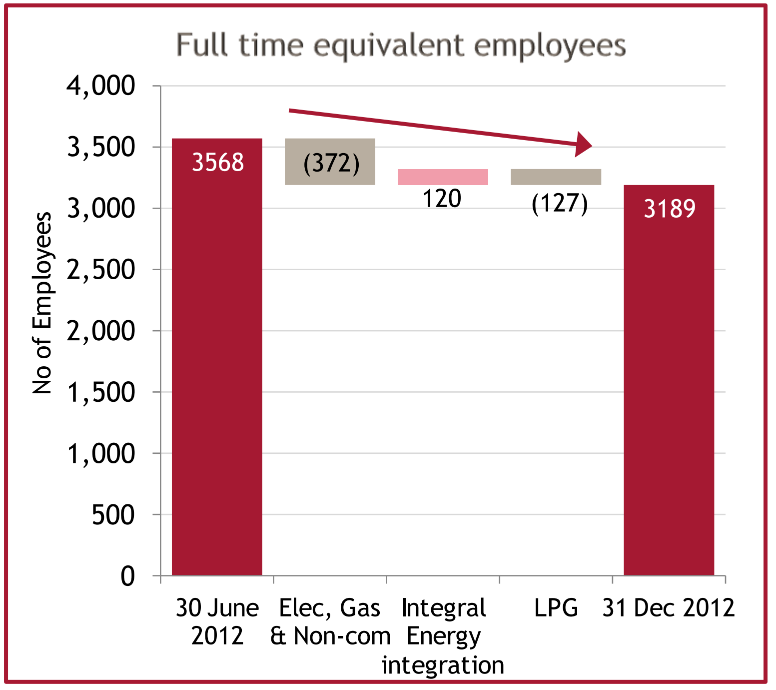
- Cost to maintain up $10 million due mainly to redundancies ($5 million) as restructuring of costs commences following implementation of new systems
- Cost to acquire/retain up by $16 million due to higher levels of customer acquisition and retention activity compared to the first half of FY2012, which was constrained as a result of Retail Transformation

… as Origin actively defends its market leading position and restructures for operational efficiencies

(1) Post the impact of the TSA provision unwind and excludes the costs associated with the transition to the new SAP system and integration of the acquired NSW retail business

(2) Cost per acquisition/retention = Acquisition and Retention Costs divided by the sum of customer wins (325,000; 263,000 prior half) and retains (384,000; 287,000 prior half).

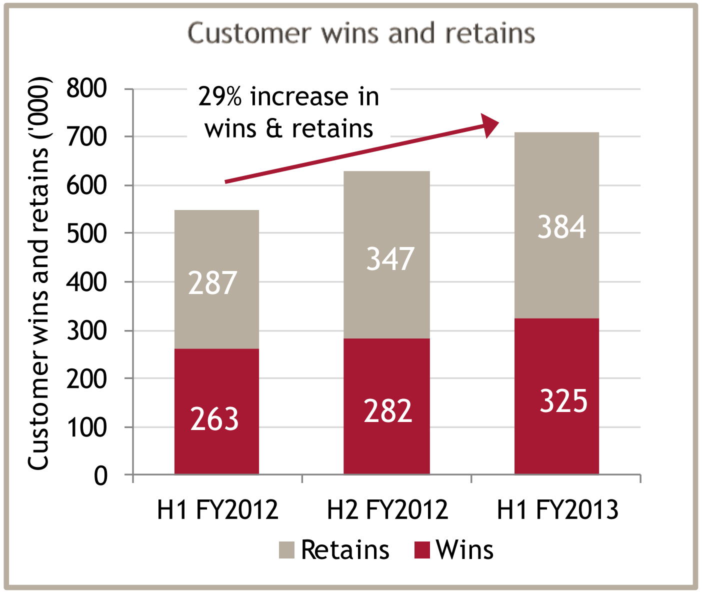
Energy Markets restructure and rationalisation programs are underway …

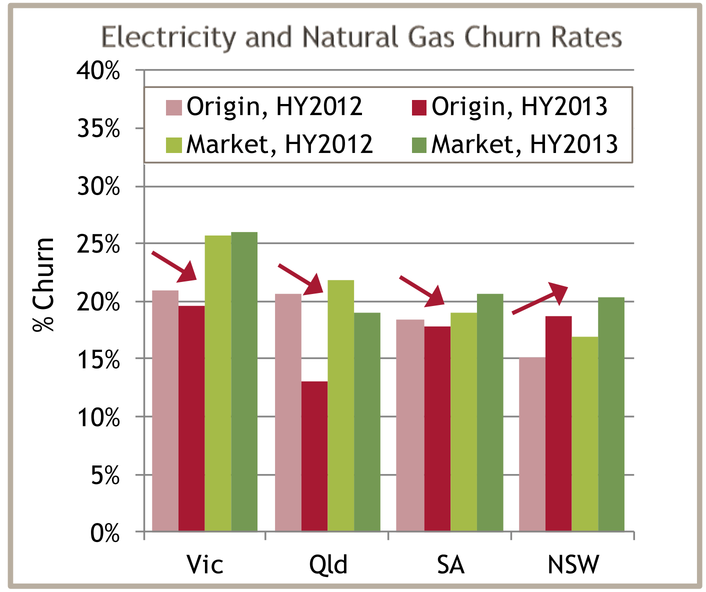


- Energy Markets full time employee (FTE) numbers reduced by 372 during the current period
- An additional 120 FTEs to service the Integral Energy NSW customers, replacing services previously provided under the Integral Energy transitional services agreement (TSA)
- Further FTE reductions are anticipated in the second half of FY2013

… with employee numbers down by 10%, and benefits to flow through in future periods

Origin has successfully lifted acquisition and retention activity, and reduced Origin churn relative to market …





Customer Accounts ('000)	30 June 2012			31 December 2012			Change
	Electricity	Natural Gas	Total	Electricity	Natural Gas	Total	
NSW	1,425	157	1,582	1,382	192	1,574	(8)
Victoria	641	475	1,116	623	476	1,099	(17)
Queensland	795	130	925	789	134	923	(2)
South Australia	153	201	354	158	200	358	4
Total	**3,014**	**963**	**3,977**	**2,952**	**1,002**	**3,954**	**(23)**

… and will continue to defend its market leading electricity position and grow gas market share, particularly in NSW

Origin is now servicing 3.3 million customers through SAP, following the migration of Integral Energy NSW customers in January …

NSW Acquisition

Eraring Power Station

Integral Energy and Country Energy retail businesses

Retail Transformation Program

CAL YEAR

2011
- Jun - SA customer accounts transferred to SAP
- Oct - VIC customer accounts transferred to SAP
- Dec - NSW & QLD customer accounts transferred to SAP

2012
- Feb - Remaining customer accounts transferred to SAP
- Post Feb - System stabilisation

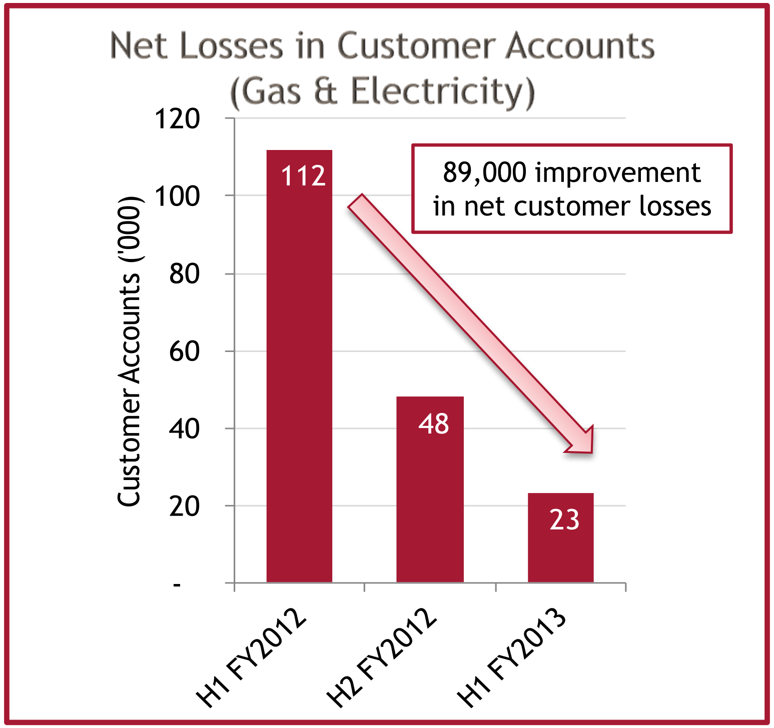
2013
- Jan - Integral NSW customer accounts transferred to SAP
- Q4 - Country NSW customer accounts transferred to SAP
- Q4 - Integral Qld customer accounts transferred to SAP

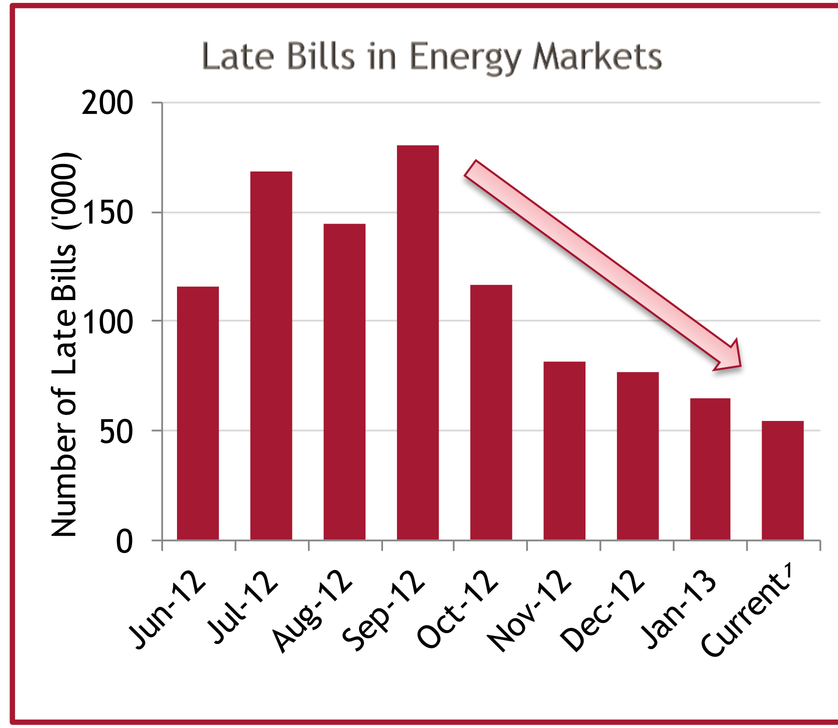
All customers expected to be migrated onto SAP by the end of calendar year 2013

- Integral Energy NSW customers migrated onto SAP in January 2013 - Origin now providing the customer services that were previously being provided under the Integral TSA

… with Country Energy customers to be migrated by the end of 2013

Stabilisation of the new SAP billing and customer management system is well advanced, enabling increased win and retention activity …





- Billing and collection processes were restricted during the period post SAP implementation
- Late bills peaked in September at 180,000 and have since reduced to 54,000 with over 98% of bills now being issued on time
- Improved collection activities will result in improved cash flow in the second half

… with resolution of short-term issues affecting billing and collection to improve cashflow

(1) As at 14 February 2013

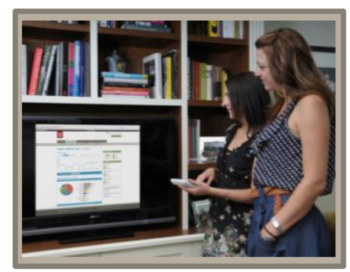
Energy Markets is well positioned to capture significant value through its legacy fuel position …

Strategic Wholesale Portfolio

- Value of legacy fuel contracts at low domestic prices in a rising gas price environment, already evidenced through recent gas contracts
- Flexible and diverse generation portfolio
- Access to key pipeline infrastructure

Retail Transformation

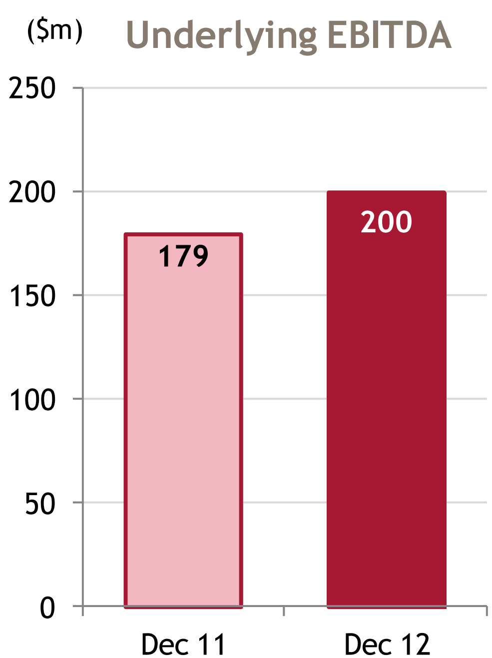
- Increased customer wins and retentions
- Improved customer satisfaction and call centre efficiency
- Cost reduction program well advanced
- Launched on-line self serve and e-billing with rapid uptake



… and improved customer and operational outcomes through Retail Transformation, with benefits beginning to flow

Exploration & Production

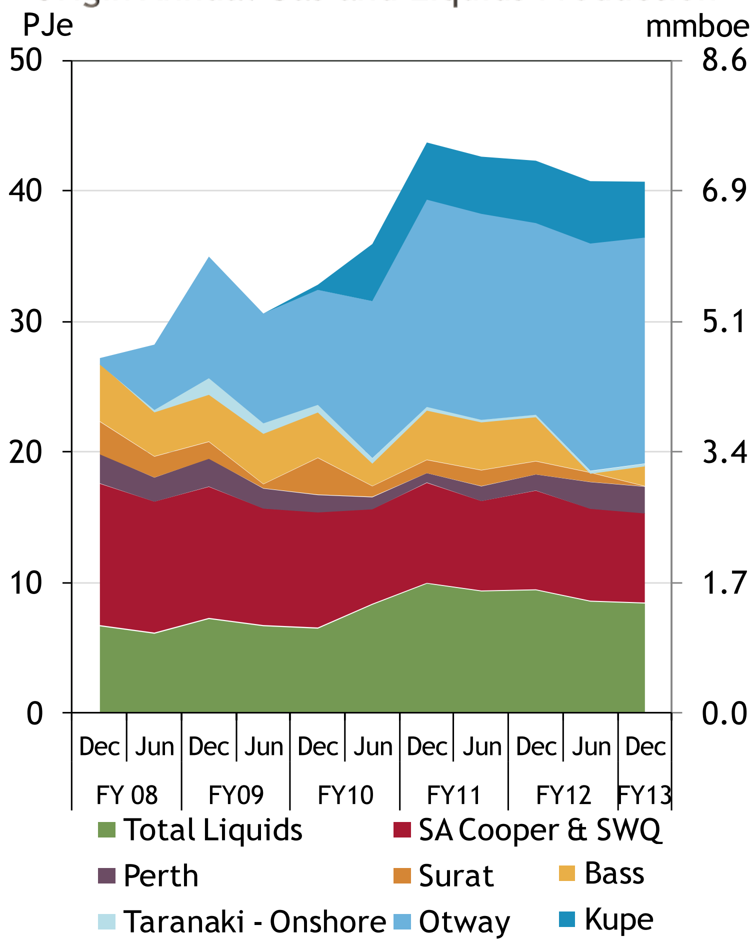
- Underlying EBITDA up 12% to $200 million
- Yolla platform returned to production after an extended shutdown for the Mid-Life Enhancement Project
- Successful completion of major planned maintenance shutdowns at Kupe and Otway, with Otway accelerated into the first half to optimise with the Geographe project schedule
- Origin entered into an agreement for the future sale of oil and condensate production from FY2016 to FY2021



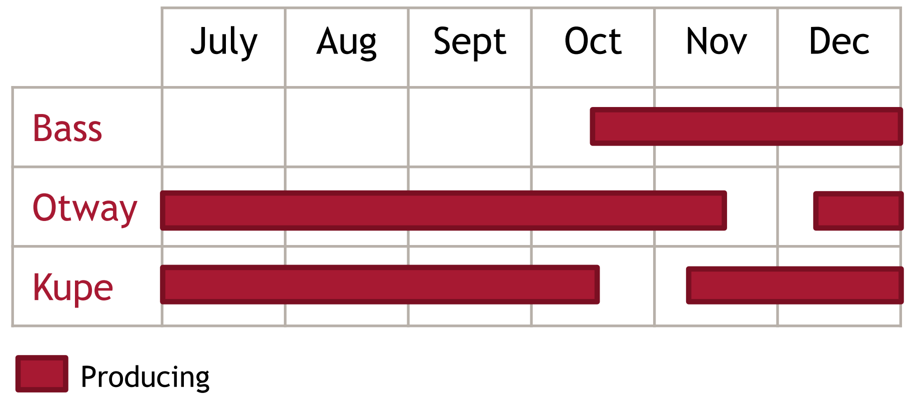
- ⇧ Higher commodity prices
- ⇧ Lower general operating costs and exploration expense
- ⇩ Lower production and sales volumes

Production was 5% down on the prior half year as capacity was limited by shutdowns …

Origin Annual Gas and Liquids Production[1]



Production from all three of Origin's key upstream assets was impacted by shutdowns



… partially offset by higher nominations and increased plant throughput at Otway

1) Excluding APLNG

With the successful completion of major planned maintenance outages, and none planned for the remainder of FY2013 …

Geographe well test

Otway

- Successful completion of a 23 day major shutdown
- Increased throughput with the completion of the Inlet Gas Compression Project
- The Geographe development project is continuing, on target for Q4 FY2013
- Drilling delays and higher rig mobilisation costs have increased the FID budget by $70m

Jascon 25 construction vessel at Yolla

BassGas

- The Yolla platform returned to production on 15 October 2012 following an extended shutdown for the Mid Life Enhancement (MLE) Project (107 days in this half)
- The Yolla 3 well is currently shut in and will come back online following a well work over scheduled for March 2013

Kupe processing plant

Kupe

- Successful completion of a 25 day major shutdown

… production is expected to be higher in the second half

Exploration activity continued in the half, with an exploration well drilled in Kenya and the commencement of the CSG drilling program in Botswana

Kenya

- Mbawa-1 well in the Lamu Basin was drilled to a total depth of 3,150m. Detailed analysis of the data is ongoing
- Interpretation of the Nanna 3D seismic survey continues

Botswana

- An aero-magnetic survey in Botswana was completed in July 2012
- Drilling commenced in November 2012 on 2 wells of a 9 well CSG exploration program

South East Asia

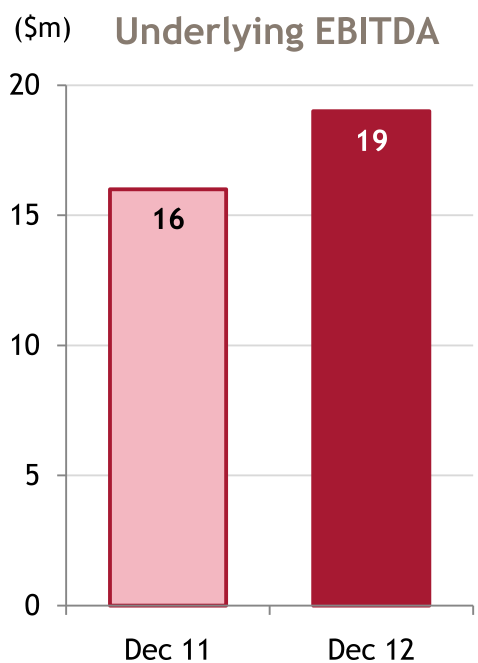
- Farmout arrangements with two farminees for a 55% equity share of Block 121 are expected to complete shortly
- Exploration well in Block 121 in the Song Hong Basin to commence drilling in Q4 FY2013

New Zealand

- Anadarko, as operator, has contracted a drillship to drill the Caravel-1 exploration well in the offshore Canterbury Basin during FY2014, targeting significant gas and liquids
- Origin is seeking to farm down its interest in the Canterbury Basin

Australia Pacific LNG

- Origin's share of Underlying EBITDA up 19% to $19 million
- Upstream Project 29% complete and Downstream Project 31% complete
- FID2 taken in July 2012 with Origin's shareholding in APLNG diluted from 42.5% to 37.5% on 12 July 2012
- Recent project review confirms the strength of the project
  - Train 1 on track for start up in Q2 calendar year 2015
  - Train 2 approximately three months ahead of FID schedule, with start up in Q4 of calendar year 2015
  - Increase in Project capital costs of 7% to $24.7 billion



- ↑ Increased production and sales volumes
- ↑ Higher gas prices
- ↓ Dilution of Origin's interest from 42.5% to 37.5%
- ↓ Higher operating costs reflecting higher gas purchases

An increase in Underlying EBITDA reflects higher domestic gas sales and increased production in the domestic business …

origin

Financial Performance ($ million)	Dec 12		Dec 11	
	Total	Origin's share[1]	Total	Origin's share[2]
Operating Revenue	197		165	
Operating Expenses	(147)		(129)	
Underlying EBITDA	50	19	36	16
Depreciation & Amortisation Expense	(60)		(47)	
Net Financing Income	7		8	
Income Tax Benefit	5		9	
Segment Result*	**2**	**1**	**6**	**3**

Higher sales volumes and carbon recovery

Increase in gas purchases, and carbon costs

Increase in assets in operation

APLNG Operating Performance (PJe)	Dec 12		Dec 11	
	Total	Origin's share[1]	Total	Origin's share[2]
Production	57	21	52	23
Sales Volumes	60	23	53	23

10% increase (100% APLNG)

13% increase (100% APLNG)

… with higher D&A reflecting increasing assets in operation

** Refer to Glossary in Section 5.*

(1) Reflects Origin's 42.5% shareholding in APLNG until 12 July 2012 from which time this was diluted to 37.5%.

(2) Reflects Origin's 50% shareholding in APLNG until 9 August 2011 from which time this was diluted to 42.5%.

Project progress - Upstream 29% complete and on track

Coil-tubing drill rig

Laying of gathering pipe

Condabri North Switchyard

Laying of pipe

Drilling

- 141 Phase 1 operated wells drilled during the half, with 209 drilled to date (vs target of 200)
- 467 Phase 1 well locations in "land bank"
- Three Savanna hybrid coil drill rigs and one Ensign rig operational, with another two to be contracted during CY2013 to mitigate potential future weather and other productivity-related risks

Gathering

- 967 of 1,100 operated wells have been scouted
- 32 diameter-kilometres[1] of gathering lines installed (vs target of 59)[2]
- Fabrication of well head separators 35% complete and to be delivered to site on schedule

Facilities

- 5 of 15 gas plant units fabricated and shipped
- 6 of 15 compressor sets shipped
- Condabri Central gas plant 60% complete (vs target of 50%)

Pipeline & Electrification

- Pipeline 84% delivered
- 365 km of pipeline easements secured
- 142 km of pipeline welded (vs target of 150 km installed)
- Main pipeline (including Narrow's Crossing (QCLNG)) on track for completion in early 2014
- All aspects of electrification on schedule

(1) Calculated by multiplying the diameter of the pipe by the length of the pipe

(2) 32 diameter-kilometres is equivalent to 55 wells with gathering lines; 59 diameter-kilometres is equivalent to 100 wells with gathering lines.

Project Progress - Downstream 31% complete and on track

Curtis Island site, January 2013

LNG Tanks, January 2013

Overview of Train 1 Inside Battery Limits (ISBL)

Curtis Island

- Site works 95% complete
- Material offloading facility (MOF) complete, slightly ahead of schedule
- Roll-on Roll-off ramp complete
- Causeway and ferry terminal complete
- Train 1 methane compressor foundation poured
- Train 2 foundation work initiated
- LNG tanks ahead of schedule

LNG plant

- Methane compressor string test complete
- First ethylene and propane compressors shipped
- 5 gas turbines generators shipped
- Compressor fabrication on track

Dredging

- Dredging to support construction access complete
- Marine facilities 86% complete
- Dredging works 47% complete and on schedule

Module yard in Batam

- Steel deliveries commenced in July 2012
- Fabrication commenced on schedule in September 2012
- First modules scheduled for completion and shipment in February 2013

APLNG is on track to achieve key project milestones

Key Project Milestones	Target Date at FID	Status Update
First gas field facility complete	Mid 2013	On Track
Pipeline complete	Early 2014	On Track
First LNG from Train 1	Mid 2015	On Track
First LNG from Train 2	Early 2016	Ahead of Schedule

Key project goals and milestones for the second half of FY2013

Upstream Operated	Date (FY)	Downstream	Date (FY)
320 operated well drilled	Q4 2013	First compressor delivered to site	Q3 2013
100 diameter-kilometres of gathering installed (equivalent to 170 wells)	Q4 2013	First LNG modules delivered to site	Q3 2013
Eastern gas field facilities 70% complete (related to Train 1)	Q4 2013	Set first refrigeration compressor	Q4 2013
Western gas field facilities 15% complete (related to Train 2)	Q4 2013	Set train 1 gas turbine generators	Q4 2013
Main pipeline from Condabri to Gladstone 50% complete	Q4 2013	LNG tanks 35% complete	Q4 2013

Confidence in the delivery of APLNG's project increased through a project review …

origin

SCOPE

- Project capital costs were reviewed based on actual costs incurred through to late 2012 and revised forecasts

SCHEDULE

- Train 1 on track to be complete on, or ahead of schedule, with first LNG sales expected in mid calendar year 2015
- Train 2 expected approximately three months ahead of FID schedule, with start up expected in late calendar year 2015

COST

- To date, the APLNG project has progressed largely in line with FID cost estimates
- Increase in Project costs from FID1 to first LNG from Train 2 of 7% to $24.7 billion
- Increases in underlying Project costs primarily attributed to greater than anticipated gathering quantities and increased CSG water management infrastructure to improve alignment with stakeholder expectation
- Contingency now greater than 10% of forecast cost to completion

… resulting in acceleration of Train 2 schedule and an increase in costs to $24.7 billion

APLNG capital expenditure for the half year was $4.0 billion[1], with Origin's cash contribution $119 million

(A$m)	Half year to Dec 2012	Cumulative from FID1 to Dec 2012	Estimate from FID1 to 1st sales from Train 2 (A$b)
Project Capex	3,519	8,174	**24.7**

Non-Project Capex:		
Capitalised O&M	174	Annual spend peaks in FY2014 in line with upstream development activity
Domestic	237	Predominantly ongoing SIB capex
Exploration	40	Ongoing expenditure reflecting committed exploration activity

Total APLNG Capex	**3,971**		
Origin cash contribution	119[2,3]	1,286[2]	Origin's remaining contribution is $4.4[3,4] billion from 1 January 2013

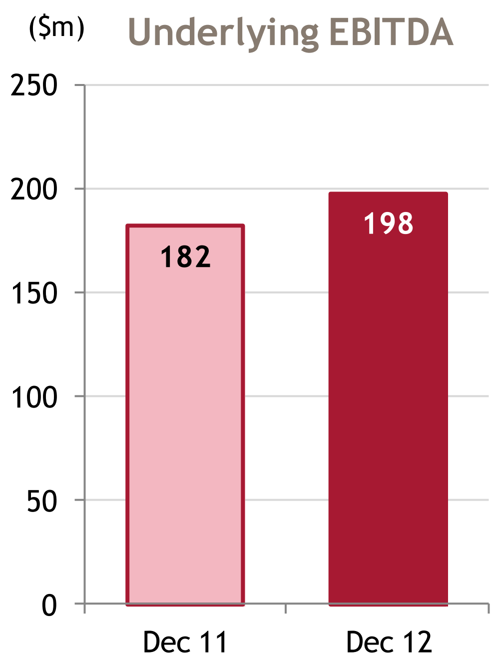
Total APLNG capex includes:

- Project capex - includes operated and non-operated capex associated with the LNG project
- Capitalised O&M - costs associated with the LNG project, which will begin to be expensed following LNG start-up
- Domestic capex - SIB capex associated with APLNG's domestic operations and head office & system assets; and growth capex associated with supply of gas to third party LNG projects
- Exploration – related to reserves maturation and expansion of resources

(1) APLNG capital expenditure (100%) derived from APLNG's Financial Statements; on an accruals basis.
(2) Via shareholder loan repayments.
(3) At 37.5% shareholding in APLNG.
(4) Partially via shareholder loan repayments.

Contact Energy

- Underlying EBITDA up 9% to $198 million
- Improved price competitiveness has stabilised customer numbers
- Lower wholesale prices more than offset by lower generation costs from diverse fuel and asset portfolio
- Te Mihi enters commissioning phase with completion in mid 2013
- Ongoing generation oversupply lowers retail margins
- Retail Transformation project ‘go-live’ later in CY2013
- Organisation-wide focus on costs and efficiency



- ↑ Favourable fuel mix
- ↑ Lower generation costs
- ↓ Under-recovery of increased network costs
- ↓ Lower wholesale prices

Recent investments in Contact's generation portfolio have delivered improved portfolio flexibility …

Benefits of favourable fuel mix realised during the period

- Higher rainfall resulted in increased hydro generation
- Stratford Peaker and Ahuroa gas storage increased Contact's ability to respond to market changes and portfolio outages
- CCGT generation down by 19% in response to lower wholesale prices

Further portfolio enhancements close to completion

- 166 MW Te Mihi geothermal power station expected to complete mid 2013
- Leverage the benefits of Retail Transformation from the end of 2013

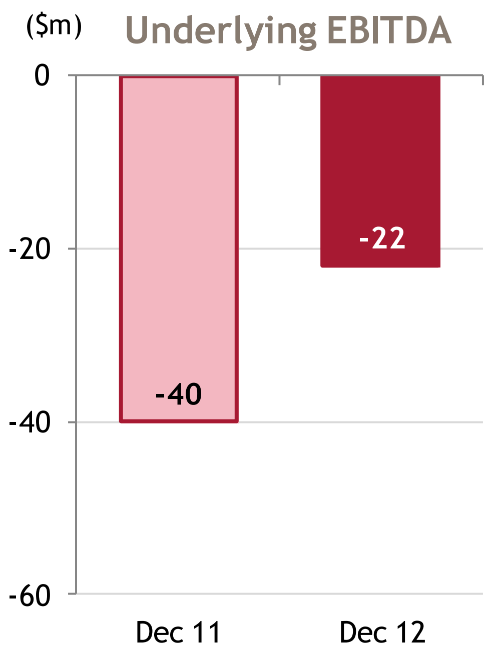
Steam Field 2 Dump Station (Te Mihi) being used for the first time

Significant growth capex finishes this financial year with the completion of Te Mihi, which in turn releases free cash flow in FY2014

… which will contribute to a stronger earnings floor regardless of softening demand or weather driven price volatility

Corporate

- Underlying EBITDA improved 45% to ($22) million
- Development activities to focus on early stage overseas development opportunities



- ⇧ Lower remediation expenses and unallocated corporate costs
- ⇩ Higher foreign exchange loss

Origin continues to develop a portfolio of high quality renewable energy opportunities in offshore markets …

origin

GEOTHERMAL

Chile

- 40% interest in Chile's leading geothermal exploration company, Energía Andina S.A.
- 12 geothermal projects in portfolio, working towards FID on first project in 2015/16
- Slimhole drilling is expected to continue throughout 2013

Indonesia

- 47.5% interest in the Sorik Marapi concession, in a JV with Tata Power
- Negotiations for the sale of power have commenced with state owned utility, PLN
- Exploration activities continued ahead of drilling of the first two exploration wells

HYDRO

Chile

- Energía Austral, one of Chile's leading hydroelectric development companies, is a 51:49 JV between Origin and Xstrata Copper
- Project is mid-way through its feasibility stage

Papua New Guinea

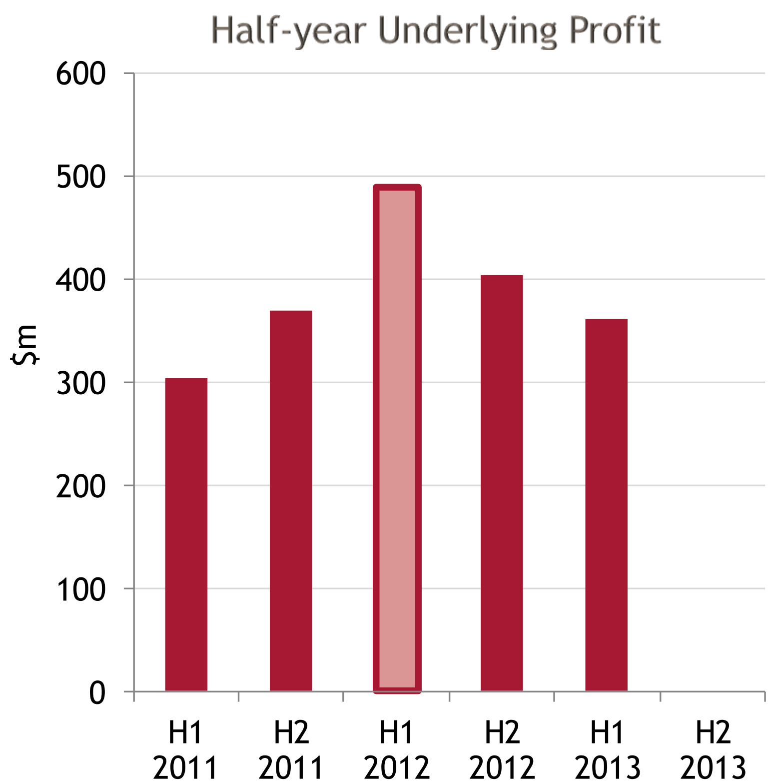
- 50% interest in a JV with PNG Sustainable Development Program
- The Scheme Definition Report was issued in December
- Focus on securing further development agreements

… providing long term growth options with limited spend in the short term

4. Outlook

Grant King, Managing Director

Expected performance for FY2013 is within guidance provided in November 2012, with the exception of high electricity price events that occurred in Queensland in January 2013

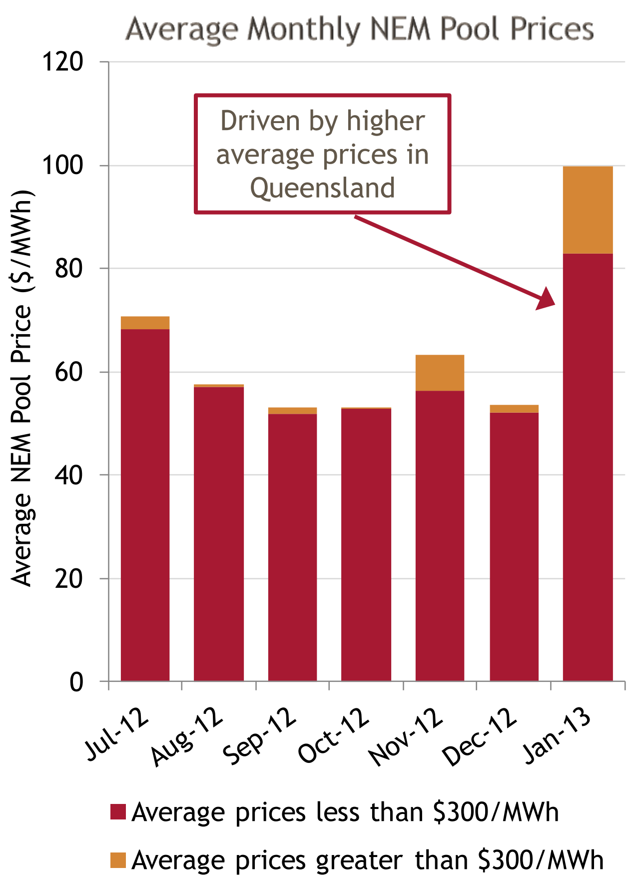


In the second half of FY2013 Origin expects:

- Regulatory pressures and market competition in Energy Markets to continue
- Continued investment in customer acquisition and retention as well as business restructuring
- Retail Transformation stabilisation to improve the effectiveness of billing and collection processes, improve competitiveness and reduce costs
- Exploration and Production, APLNG and Contact to have increased contributions

These events are unable to be absorbed in the previous guidance range. Guidance for Underlying Profit for the current year is now 10% to 15% below the prior year

In January, a combination of weather, demand and plant availability resulted in an extended period of high prices in Queensland

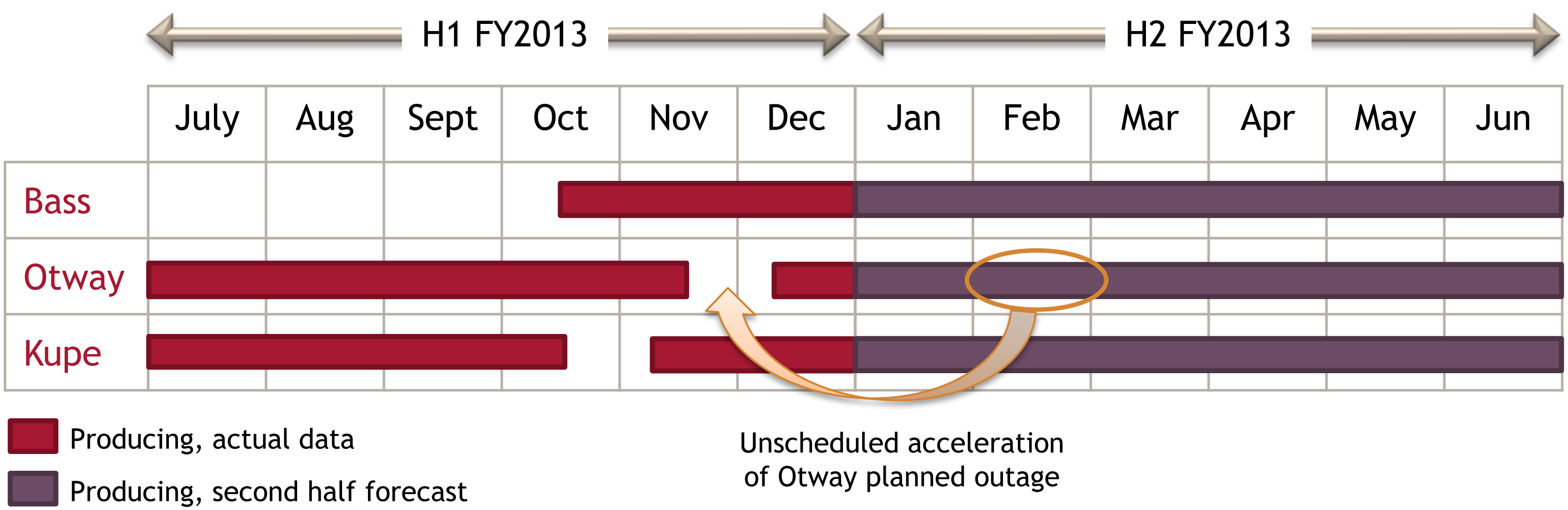


- During the month almost 20% of half hourly Queensland electricity spot prices were between $100/MWh and $300/MWh
- Origin's Energy Markets portfolio generally carries an exposure to higher average, rather than volatile energy prices
- This exposure led to a substantial increase in wholesale energy costs for Origin

The estimated cost of this event to Origin's Underlying Profit, including portfolio costs to reduce future exposure, is around $30 to $35 million

Higher levels of plant availability and production in the second half is expected to drive a strong increase in Exploration and Production …

FY2013 production from Origin's three key upstream assets



- Time-weighted production from Origin's three key upstream assets was at around 70% of full capacity due to major outages
- There are no major outages planned for the second half of FY2013

… along with increased contributions from Contact and APLNG

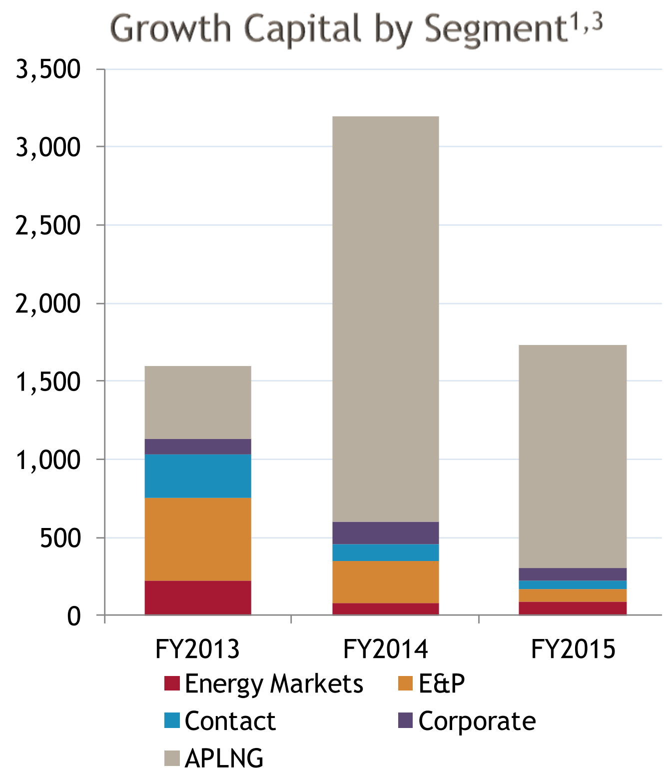
The primary driver of growth for Origin over the coming years will be its investment in APLNG

- Two-train CSG to LNG project
- Australia's largest 2P reserves base
- Prime acreage in both of the Queensland's CSG "sweet spots"
- ConocoPhillips-Bechtel experience in developing LNG facilities using Optimised Cascade® Process
- Marketing completed on full two-train project
- Appropriate and effective risk mitigation plans

- Start up of Train 1 in second quarter of calendar year 2015
- Start up of Train 2 in fourth quarter of calendar year 2015
- Project costs revised to $24.7 billion
- Contingency represents over 10% of forecast costs to completion

Confidence in successful delivery of APLNG's project increased through a project review

Committed undrawn debt facilities and cash, combined with cash flows from operations, provide sufficient liquidity for Origin to fund its investment in APLNG …



Options to fund APLNG

Free cash flow from existing business

$5.4 billion[2] in cash and undrawn committed debt facilities

$4.4 billion[1] **funding requirement for Origin's share of APLNG spend from 1 Jan 2013**

… with no refinancing of current facilities required until FY2015

(1) Forward looking APLNG numbers represent Origin's expected cash contributions, post the Sinopec injection and project finance, rather than Origin's share of total APLNG capital expenditure; based on Origin's shareholding in APLNG of 37.5%; made partially via loan repayments

(2) Excludes Contact and bank guarantees.

(3) Forward looking numbers are based on management's estimates of expenditure.

Origin is focusing on maximising cash flow from the existing business, progressing the APLNG project and strengthening its funding position

Existing Business
Responding to Challenges

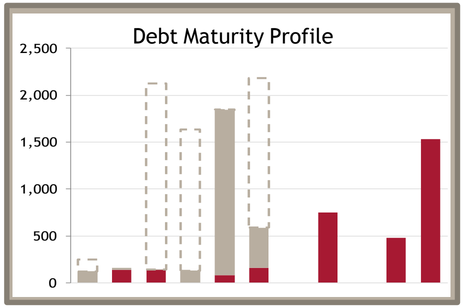
- Reduced sales volumes and margin compression due to regulatory constraints, higher cost of energy and competitive pressures in Energy Markets
- Stabilisation of retail systems, improved customer acquisition and retention
- Continued business restructuring, lowering costs and improving cash flows

APLNG
Confidence in Schedule & Cost

- Upstream 29% complete, downstream 31% complete
- Project now on a schedule for Train 2 start up by end of 2015, with a corresponding three month acceleration of revenues
- Increase in Project capital costs of 7% to $24.7 billion
- Contingency now over 10% of future forecast costs to completion

Funding
Strengthened

- $5.4 billion of undrawn committed debt facilities and cash to support Origin's investment in APLNG
- Origin's funding requirement for APLNG from 1 January 2013 estimated at $4.4 billion



5. Glossary

Important Notice

Financial information

All figures in this report relate to businesses of the Origin Energy Group (Origin, or the Company), being Origin Energy Limited and its controlled entities, for the half year ended 31 December 2012 (the half year) compared with the half year ended 31 December 2011 (the prior half year), except where otherwise stated.

Origin's Interim Financial Statements for the half year ended 31 December 2012 are presented in accordance with Australian Accounting Standards. The Segment results, which are used to measure segment performance, are disclosed in Note 2 of the Interim Financial Statements and are disclosed on a basis consistent with the information provided internally to the Managing Director. Origin's Statutory Profit contains a number of items that when excluded provide a different perspective on the financial and operational performance of the business. Income Statement amounts presented on an underlying basis such as Underlying Consolidated Profit, are non-IFRS financial measures, and exclude the impact of these items consistent with the manner in which the Managing Director reviews the financial and operating performance of the business. Each underlying measure disclosed has been adjusted to remove the impact of these items on a consistent basis. A reconciliation and description of the items that contribute to the difference between Statutory Profit and Underlying Consolidated Profit is provided in slide 15.

This report also includes certain other non-IFRS financial measures. These non-IFRS financial measures are used internally by management to assess the performance of Origin's business and make decisions on allocation of resources. Further information regarding the non-IFRS financial measures and other key terms used in this presentation is included in the this Glossary. Non-IFRS measures have not been subject to review.

A reference to Contact Energy is a reference to Origin's controlled entity (53.1% ownership) Contact Energy Limited in New Zealand. In accordance with Australian Accounting Standards, Origin consolidates Contact Energy within its result.

A reference to Australia Pacific LNG or APLNG is a reference to Australia Pacific LNG Pty Ltd in which Origin had a 50% shareholding in until 9 August 2011, when completion of a share subscription agreement between Australia Pacific LNG and Sinopec resulted in a dilution in Origin's shareholding to 42.5%. Origin's shareholding in Australia Pacific LNG, which is equity accounted in line with Origin's shareholding, was 42.5% as at 30 June 2012. This shareholding was subsequently diluted to 37.5% upon completion of Sinopec's increased share subscription in Australia Pacific LNG on 12 July 2012.

A reference to the NSW acquisition or NSW energy assets is a reference to the Integral Energy and Country Energy retail businesses and the Eraring GenTrader arrangements acquired by Origin in March 2011.

A reference to $ is a reference to Australian dollars unless specifically marked otherwise. All references to debt are a reference to interest bearing debt only (excludes Australia Pacific LNG shareholder loans). Individual items and totals are rounded to the nearest appropriate number or decimal. Some totals may not add down the page due to rounding of individual components. When calculating a percentage change, a positive or negative percentage change denotes the mathematical movement in the underlying metric, rather than a positive or a detrimental impact. Measures for which the underlying numbers change from negative to positive, or vice versa, are labelled as not applicable.

Statistical Financial Measures

Term	Meaning
Net Debt	Total current and non-current interest bearing liabilities only less cash and cash equivalents.
Non-controlling interest	Economic interest in a controlled entity of the Consolidated Entity that is not held by the Parent entity or a controlled entity of the Consolidated Entity.
Statutory EBIT	Earnings before interest and tax as calculated from the Origin Consolidated Interim Financial Statements.
Statutory EBITDA	Earnings before interest, tax, depreciation and amortisation as calculated from the Origin Consolidated Interim Financial Statements.
Statutory effective tax rate	Statutory income tax expense divided by Statutory Profit before Tax.
Statutory earnings per share	Statutory profit divided by weighted average number of shares.
Statutory income tax expense	Income tax expense as disclosed in the Income Statement of the Origin Consolidated Interim Financial Statements.
Statutory net financing costs	Interest expense net of interest revenue as disclosed in the Origin Consolidated Interim Financial Statements.
Statutory EPS	Statutory profit divided by weighted average number of share.
Statutory Profit	Net profit after tax and non-controlling interests as disclosed in the Income Statement of the Origin Consolidated Interim Financial Statements.
Statutory profit before tax	Profit before tax as disclosed in the Income Statement of the Origin Consolidated Interim Financial Statements.
Statutory share of ITDA	The Consolidated Entity's share of interest, tax, depreciation and amortisation of equity accounted investees as disclosed in the Origin Consolidated Interim Financial Statements.

Non-IFRS Financial Measures

Non-IFRS Financial measures are financial measures that are presented other than in accordance with all relevant Accounting Standards. Non-IFRS Financial measures are used internally by management to assess the performance of Origin's business, and to make decisions on allocation of resources.

Term	Meaning
Adjusted Net Debt	Net Debt adjusted to remove fair value adjustments on borrowings in hedge relationships.
Free cash flow	Cash available to fund distributions to shareholders and growth capital expenditure.
Free cash flow per share	Free cash flow divided by the closing number of shares on issue.
Gearing Ratio	Net Debt divided by Net Debt plus Shareholders' Equity.
Gross Margin	Gross profit divided by Revenue.
Gross Profit	Revenue less cost of goods sold.
Group OCAT	Group Operating cash flow after tax of the Consolidated Entity (including Origin's share of Australia Pacific LNG).
Group OCAT ratio	(Calendar year Group OCAT - interest tax shield) / Productive Capital.
Interest tax shield	The tax deduction for interest paid.
Operating cash flow	Operating cash flow before tax.
Operating cash flow return (OCFR)	Calendar year Operating cash flow / Productive Capital excluding tax balances.
Productive Capital	Funds employed including Origin's share of Australia Pacific LNG and excluding capital works in progress for projects under development which are not yet contributing to earnings. Calculated on a rolling 12 month basis.
Shareholders' Equity	Shareholders' residual interest in the assets of the consolidated entity after deducting all liabilities, including non-controlling interests.
Segment Result	Underlying EBIT for the Energy Markets and Exploration & Production segments. For the Australia Pacific LNG, Contact Energy and Corporate segments, it is EBIT less net financing costs and tax expense/(benefit). The Contact Energy and Corporate Segment Results are further adjusted for non-controlling interests' share of Underlying Profit. As disclosed in note 2 of the Origin Interim Consolidated Financial Statements.
Total Segment Revenue	Total revenue for the Energy Markets, Exploration & Production, Australia Pacific LNG, Contact Energy and Corporate segments, including inter-segment sales, as disclosed in note 2 of the Origin Interim Consolidated Financial Statements.
Underlying average interest rate	Underlying interest expense for the period divided by Origin's average drawn debt during the year (excluding funding related to Australia Pacific LNG).
Underlying profit and loss measures: EBIT, EBIT margin, EBITDA, Effective tax rate, Share of ITDA, Net financing costs/income, EPS, Consolidated Profit, Profit before tax, Income tax expense/benefit, Non-controlling interests	Underlying measures are measures used internally by management to assess the profitability of the Origin business. The Underlying profit and loss measures are derived from the equivalent Statutory profit measures disclosed in the Origin Interim Consolidated Financial Statements and exclude the impact of certain items that do not align with the manner in which the Managing Director reviews the financial and operating performance of the business. Underlying EBIT, Underlying EBITDA Segment Result and Underlying Consolidated Profit are disclosed in note 2 of the Origin Interim Consolidated Financial Statements. Underlying EPS is disclosed in note 14 of the Origin Interim Consolidated Financial Statements.

Non-Financial Terms

Term	Meaning
1P reserves	Proved Reserves are those reserves which analysis of geological and engineering data can be estimated with reasonable certainty to be commercially recoverable. There should be at least a 90% probability that the quantities actually recovered will equal or exceed the estimate.
2P reserves	The sum of Proved plus Probable Reserves. Probable Reserves are those reserves which analysis of geological and engineering data indicate are less likely to be recovered than Proved Reserves but more certain than Possible Reserves. It is equally likely that the actual remaining quantities recovered will be greater than or less than the sum of the estimated Proved plus Probable Reserves (2P).
3P reserves	Proved plus Probable plus Possible Reserves. Possible Reserves are those additional Reserves which analysis of geological and engineering data suggest are less likely to be recoverable than Probable Reserves. The total quantities ultimately recovered from the project have a low probability to exceed the sum of Proved plus Probable plus Possible (3P), which is equivalent to the high estimate scenario.
Capactiy factor	A generation plant's output over a period compared with the expected maximum output from the plant in the period based on 100% availability at the manufacturer's operating specifications.
Equivalent reliability factor	Equivalent reliability factor is the availability of the plant after scheduled outages.
GJ	Gigajoule = 10^{9} joules
GJe	Gigajoules equivalent = 10^{-6} PJe
Joule	Primary measure of energy in the metric system.
kT	kilo tonnes = 1,000 tonnes
kW	Kilowatt = 10^{3} Watts
kWh	Kilowatt hour = standard unit of electrical energy representing consumption of one kilowatt over one hour.
MW	Megawatt = 10^{6} Watts
MWh	Megawatt hour = 10^{3} kilowatt hours
PJ	Petajoule = 10^{15} joules
PJe	Petajoules equivalent = an energy measurement Origin uses to represent the equivalent energy in different products so the amount of energy contained in these products can be compared. The factors used by Origin to convert to PJe are: 1 milion barrels crude oil = 5.8 PJe; 1 million barrels condensate = 5.4 PJe; 1 million tonnes LPG = 49.3 PJe; 1 TWh of electricity = 3.6 PJe.
TW	Terawatt = 10^{12} watts
TWh	Terawatt hour = 10^{9} kilowatt hours
Watt	A measure of power when a one ampere of current flows under one volt of pressure.

Thank you

For more information

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