

#### Attachment 2.08

#### Ausgrid Regional briefings presentations

January 2015



Ausgrid revised regulatory proposal attachment



## **Briefing on our plans and prices**

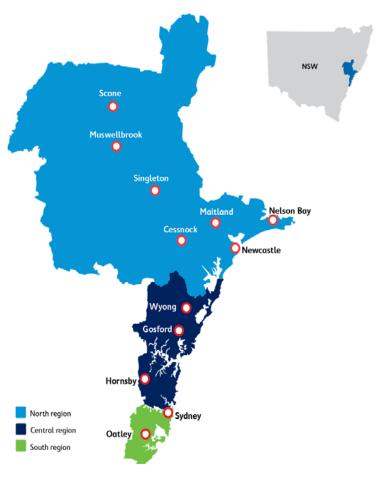
#### What we will talk about

- Who is Ausgrid?
- Why you should listen to us today
- What your electricity bills are going to look like for the next five years
- Why they are not going to be like the previous five years
- Our plans to improve our relationship with you



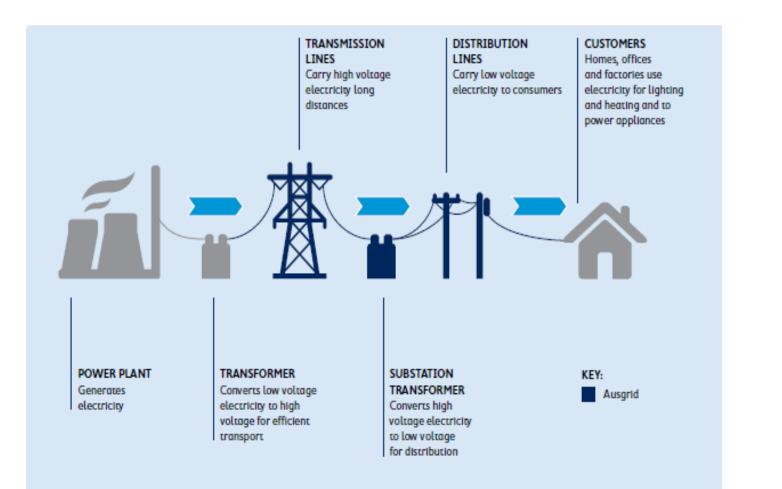
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- 1.6 million customers households and businesses
- Our network covers 22,275 square kilometres
  - 30,000 substations
  - 48,000km of power lines and
  - 500,000 power poles
- Building our network today would cost an estimated \$38 billion
- Owned by the NSW Government



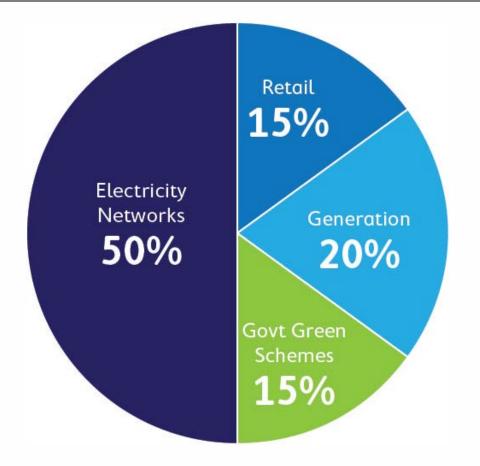


#### Our role in getting power to you





#### Electricity networks account for half of your electricity bill





#### Our share of your bill: rising below CPI for next 5 years

First and proposed average household price increases										
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Dollar change	\$108	\$83	\$105	\$158	\$20	\$18	\$15	\$21	\$20	\$20
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	Past increases 2009–14					- Proposed	increases	2014–19 –		

- Prices increased by an average 19.5% a year over the past five years
- We estimate prices in the next five years will increase by on average 2.37% pa – below CPI



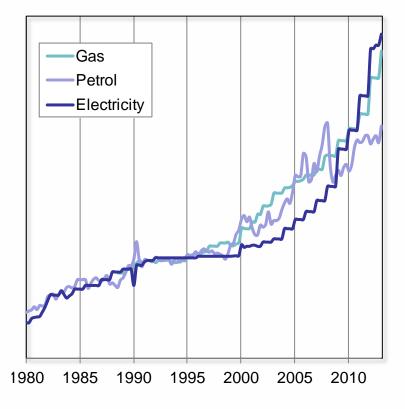
#### Why did prices go up so much last period?

Prices were artificially low from 1990-2009

Catch up needed to replace old equipment, peak demand and new standards

GFC meant higher funding costs







#### We have made changes to reduce our costs

- Forward investment program has stabilised
  - Better investment planning
- Cost of borrowing money has decreased
- Greater efficiencies in operating costs
  - Fleet one-third reduction in Ausgrid vehicles
  - Overtime \$100 million a year reduced to \$30 million
  - Reduce size of non-frontline workforce





#### Our plans for the next five years

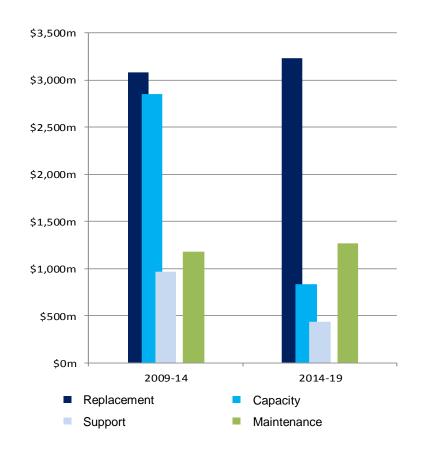
Capital expenditure	\$4.9 billion – real decrease of 47%
Operational expenditure	\$3.3 billion – real increase of 4%
Safety	improve
Reliability	steady

#### Average prices: 2.37% a year - below CPI for next 5 years



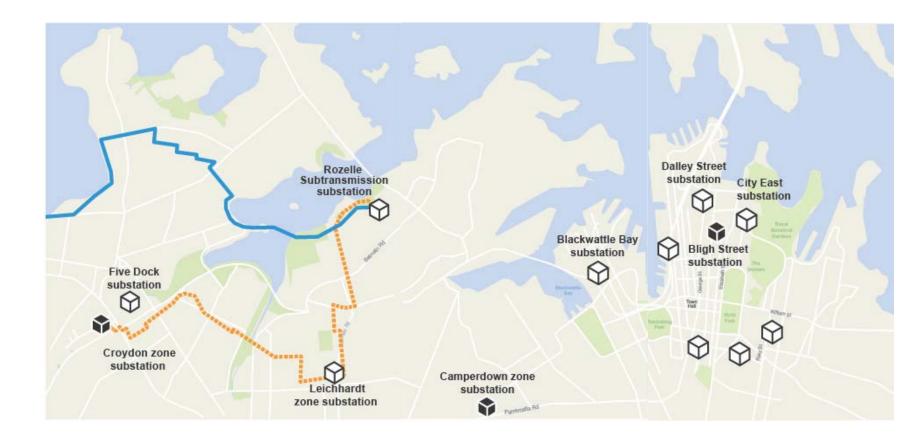
## **Drivers for our expenditure**

- Safety, reliability and affordability
- Replacing old equipment at risk of failure
- Customer connections capacity
- Maintenance to keep the network running





#### **Our plans for the Sydney CBD and Inner West**





#### Changes to user pays services

- Metering
- Street lighting
- Ancillary services





## Our relationship with you

Pre-October 2013	Nov 2013 - June 2014	May 2014	June 2014 — ongoing
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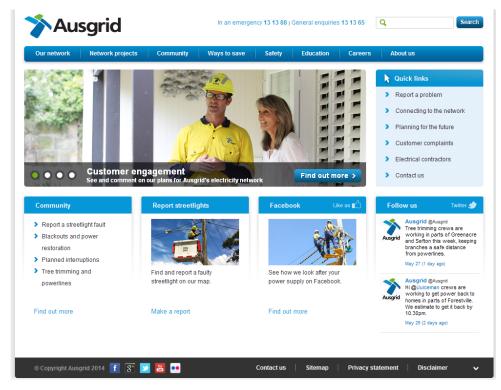
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## Be part of our ongoing conversation

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## **Briefing on our plans and prices**

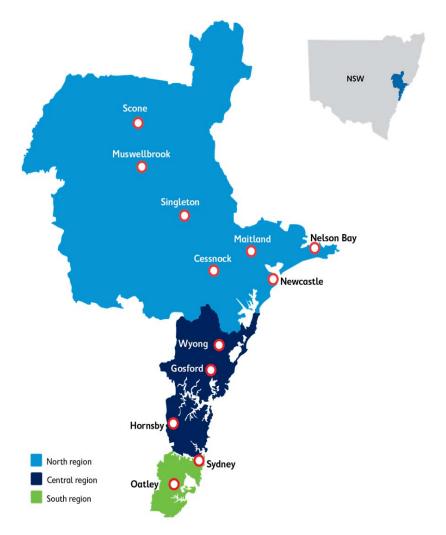
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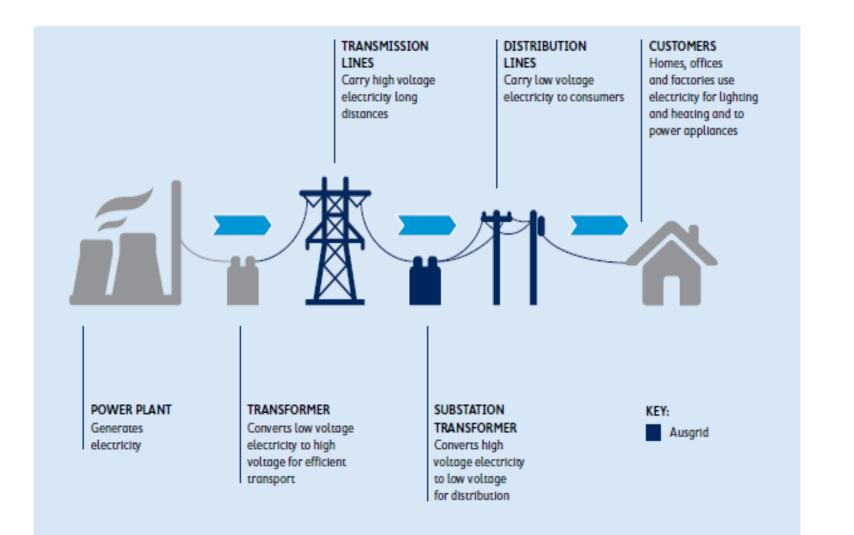
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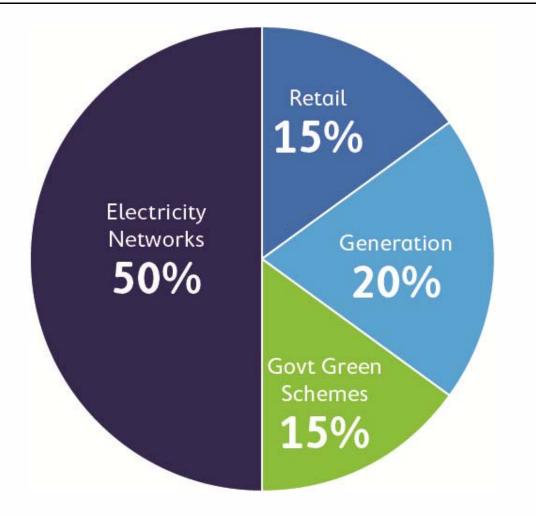


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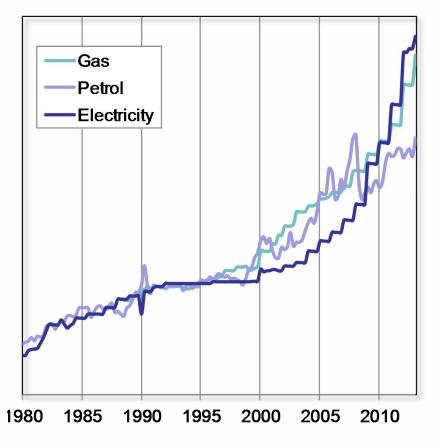
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## Our plans for the next five years

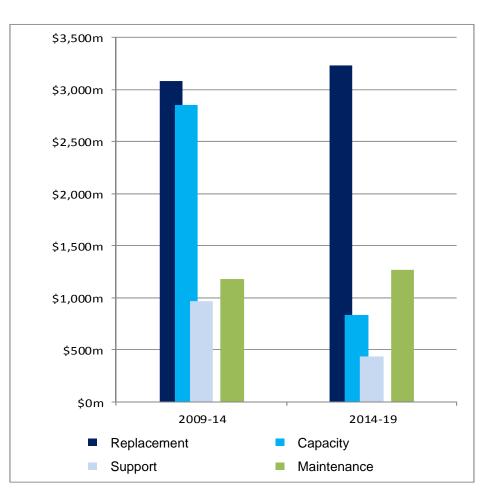
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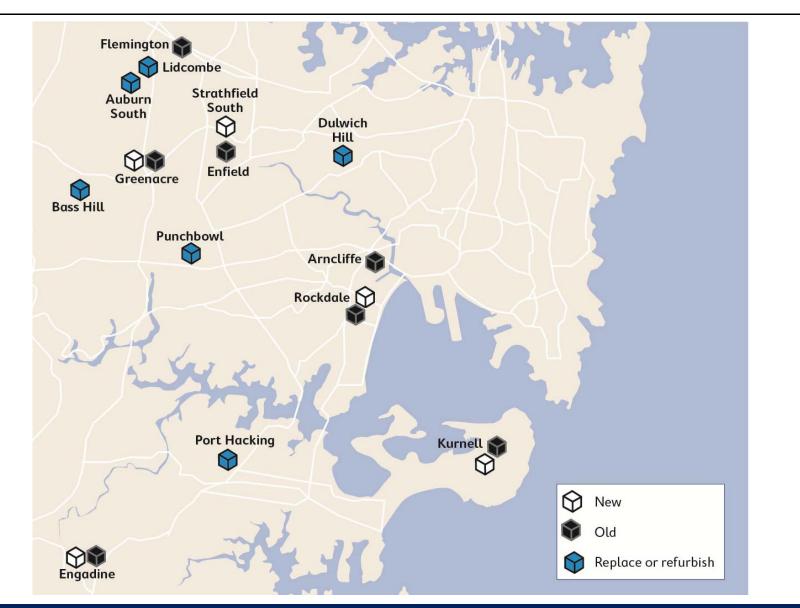
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- Customer connections capacity
- Maintenance to keep the network running
- Demand Management \$37 million for programs and innovation





## **Our plans for Sydney's South and South West**





## **Our plans for Sydney's East**





## Changes to user pays services

- Metering
- Street lighting
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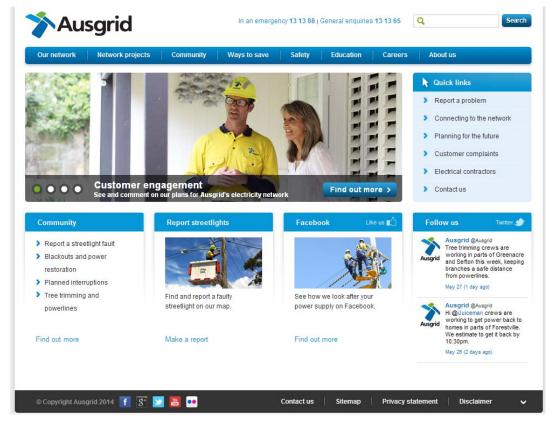
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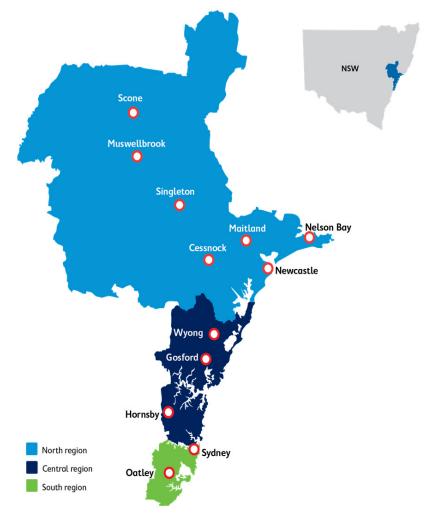
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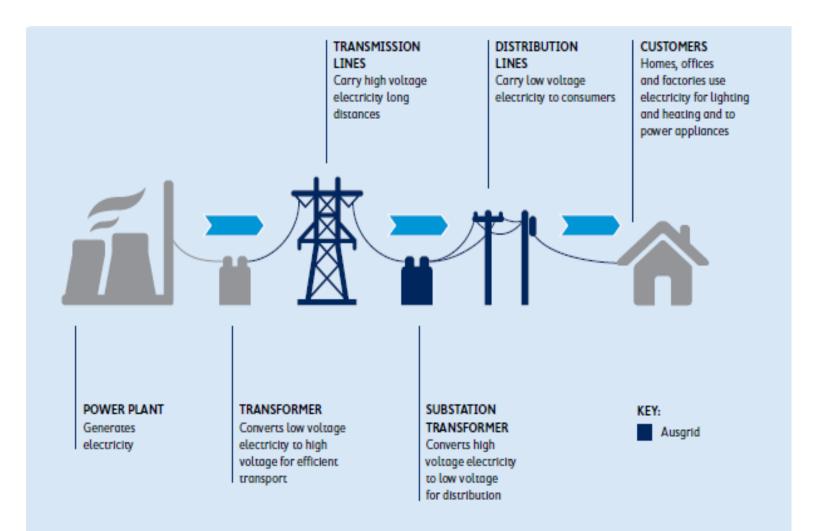
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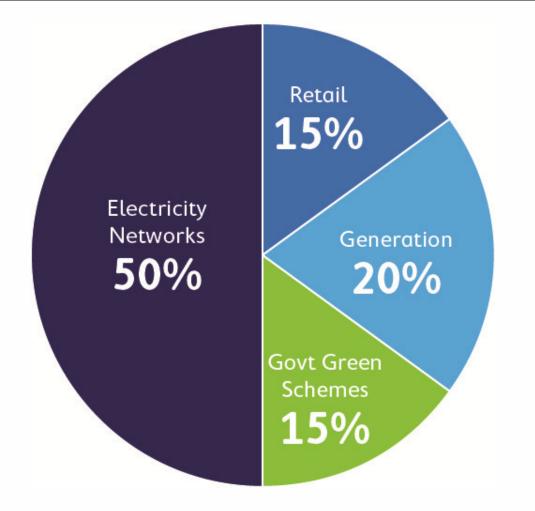


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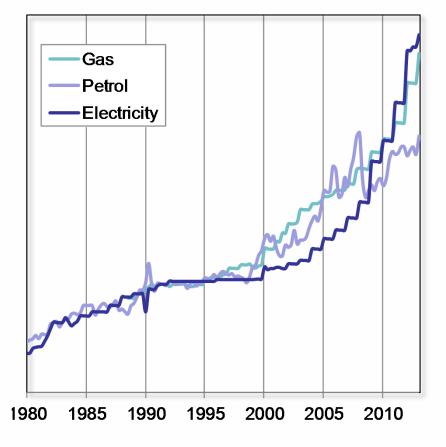
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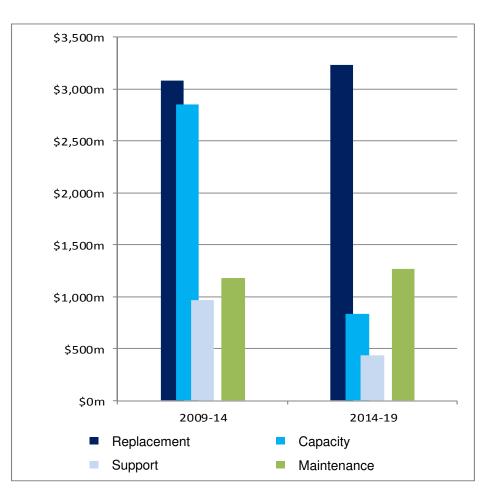
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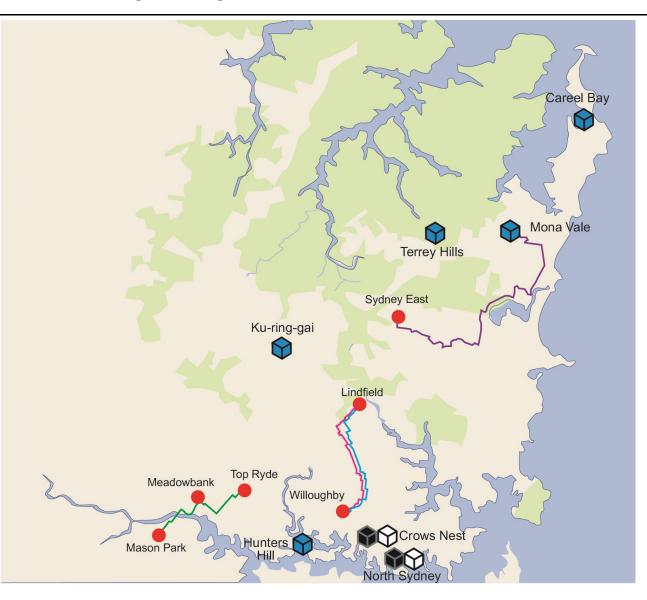
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# **Our plans for Sydney's North**





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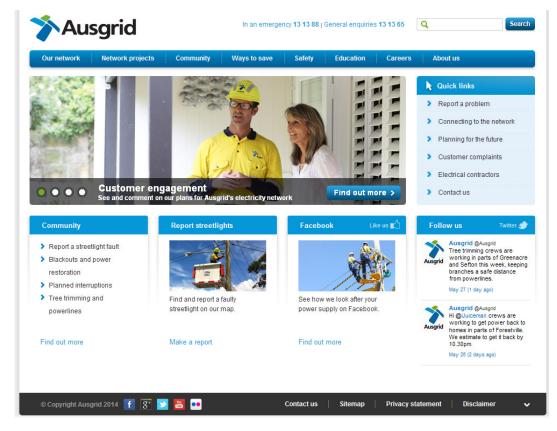
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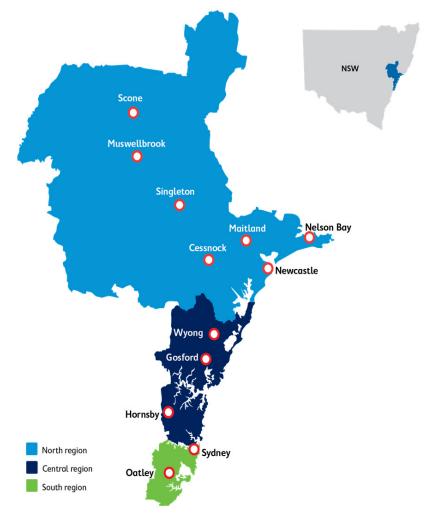
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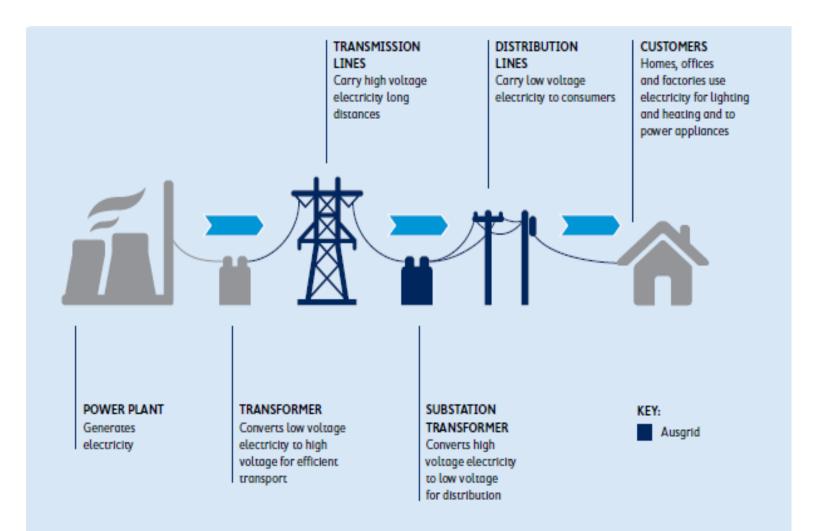
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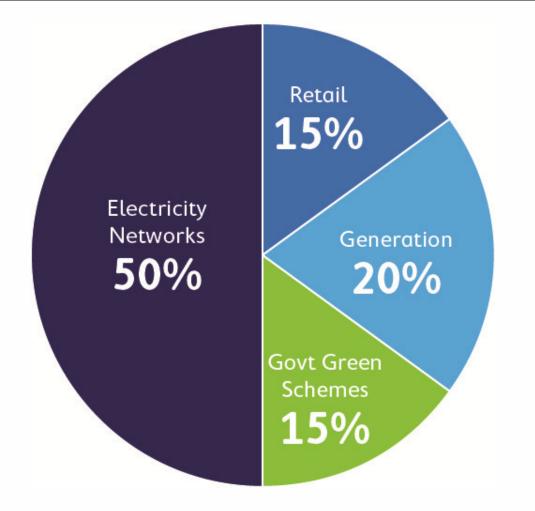


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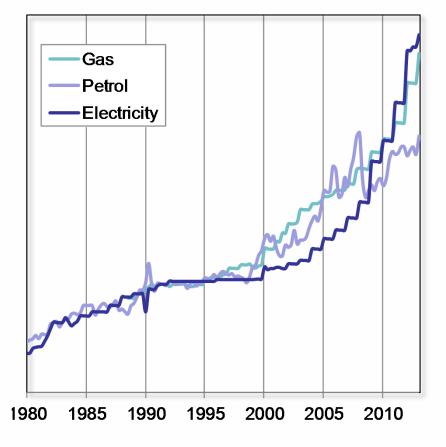
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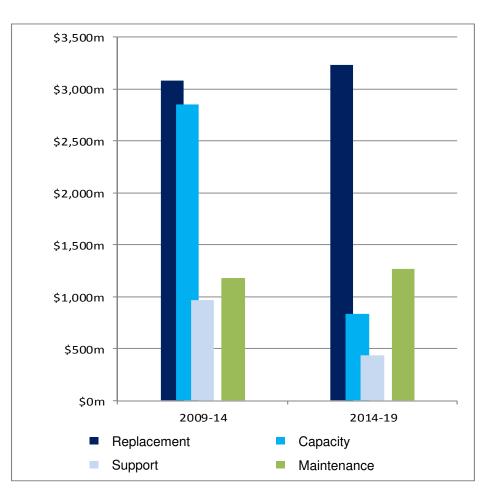
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# **Drivers for our expenditure**

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## **Our plans for the Upper Hunter**





# Distribution replacement programs

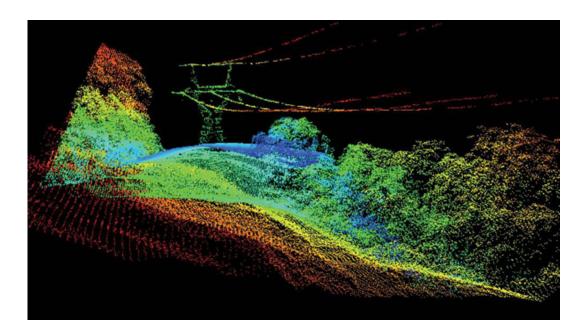
- Replace 50 kms of steel conductors per year, \$3 million per year
- Replace Quince conductors 163 kilometers over five years, total cost of about \$12 million
- Both Quince and steel mains are susceptible to corrosion over time, increasing risks.





# **Bushfire Prevention**

- Land and aerial patrols
- 4900 kms of Upper Hunter powerlines inspected using LiDAR.
- Inspectors also taking a closer look at poles and wires on private property. Homeowners remain responsible for checks and maintenance.





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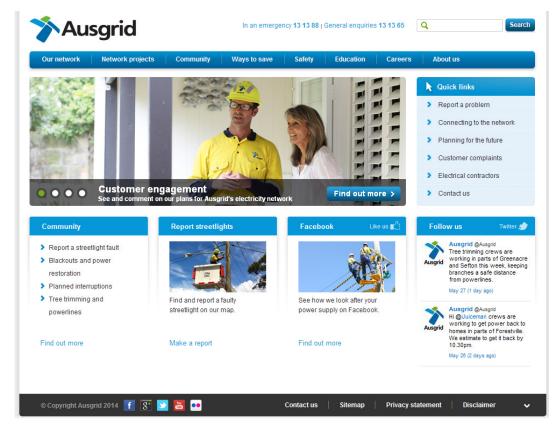
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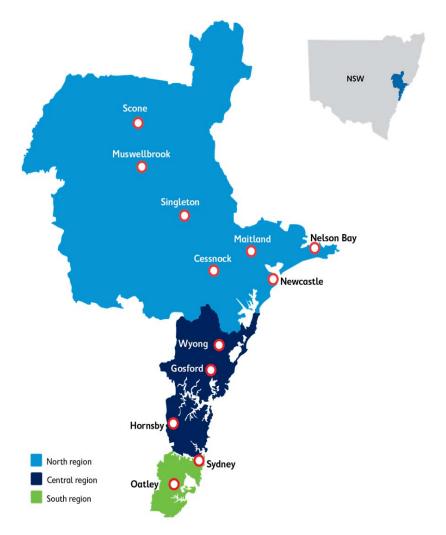
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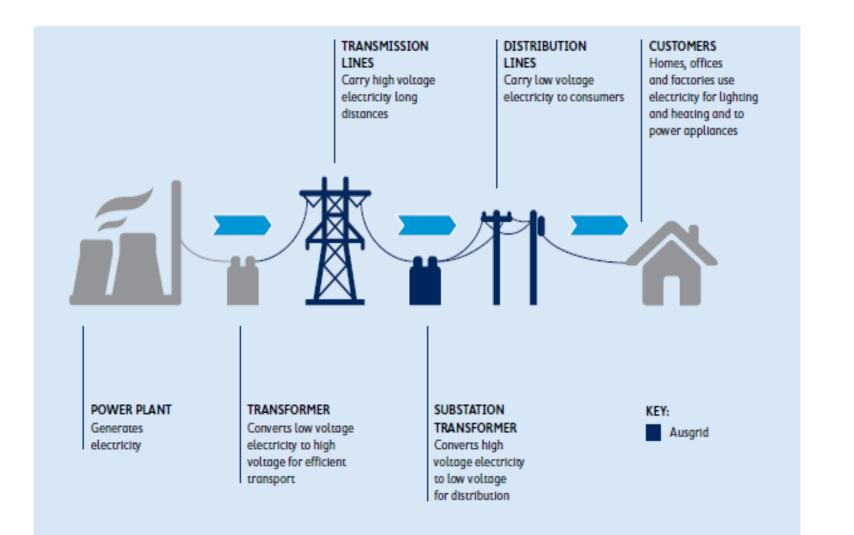
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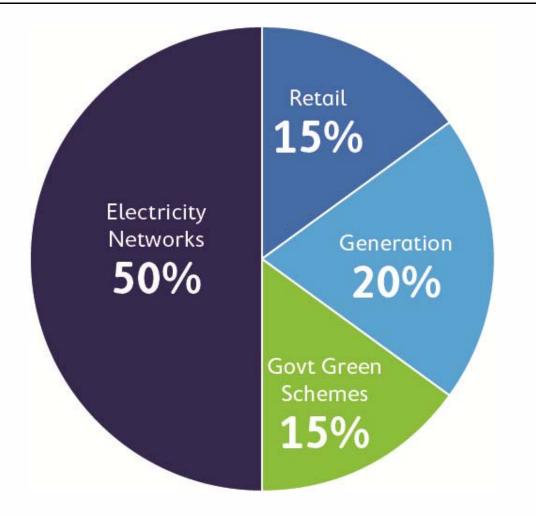


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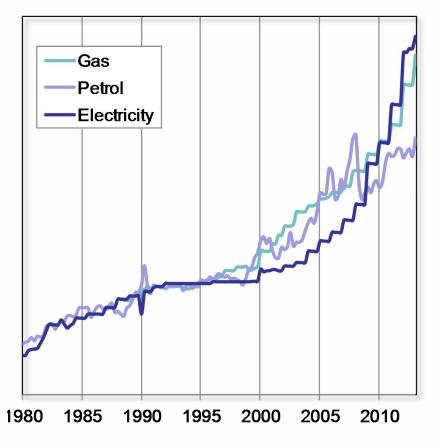
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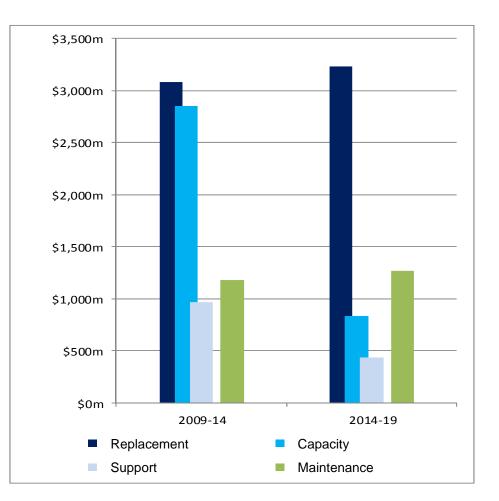
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#### **Our plans for the Hunter**





# Maintaining the network

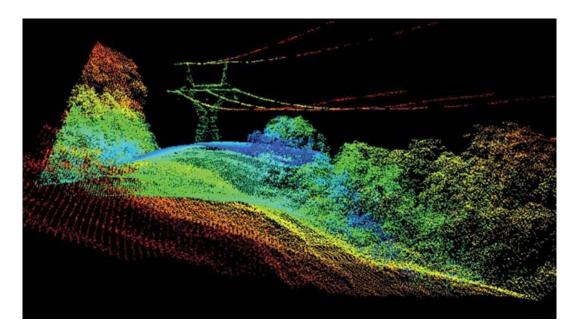
- Seven new 11kV powerlines,
- Replace 10 Newcastle CBD substations More than 50 years old.
- Increase height of five water crossings
- In the Lower Hunter and Maitland area replacing more than 200kms of steel mains.





## **Bushfire Prevention**

- Land and aerial patrols
- 7,300 kms of Hunter powerlines inspected using LiDAR.
- Also inspecting some poles and wires on private property.





# Our relationship with you

Pre-October 2013	Nov 2013 – June 2014	May 2014	June 2014 — ongoing
Existing engagement activities	New engagement activities	Review and evaluation of engagement activities	Embed activities and report
<ol> <li>Analysis of customer views from existing channels:         <ul> <li>Two years of social media and traditional media interaction.</li> <li>12 months community consultation.</li> <li>12-18 months of customer correspondence, EWON<sup>®</sup> reports.</li> </ul> </li> <li>Qualitative and quantitative customer research over multiple customer segments.</li> <li>Targeted stakeholder meetings, forums and presentations.</li> </ol>	<ol> <li>Social media campaign to provide new channel for open and two-way dialogue on business-as-usual operations and new proposals.</li> <li>New website page for customers' access to information and feedback.</li> <li>Joint presentations<sup>9</sup> to common NSW stakeholders.</li> <li>Presentations to unique Ausgrid stakeholders.</li> <li>Report how success of engagement will be measured.</li> </ol>	<ol> <li>Presentation of engagement activity reports via:         <ul> <li>Letters.</li> <li>Presentations/forums.</li> <li>Website page.</li> <li>Social media channels.</li> </ul> </li> <li>Report on how engagement results have/have not been adopted or influenced activities.</li> </ol>	<ol> <li>Comprehensive review of all engagement activities</li> <li>Publish reports via:         <ul> <li>Website.</li> <li>Social media.</li> <li>Stakeholder contact.</li> </ul> </li> <li>Embed engagement activities.</li> <li>Follow up forums.</li> </ol>



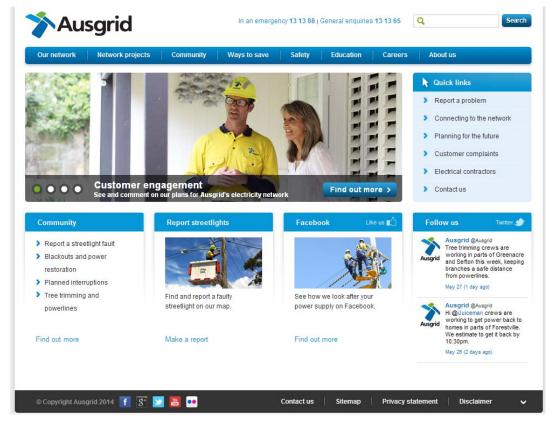
#### The key concerns of consumers



# Be part of our ongoing conversation

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# **Briefing on our plans and prices**

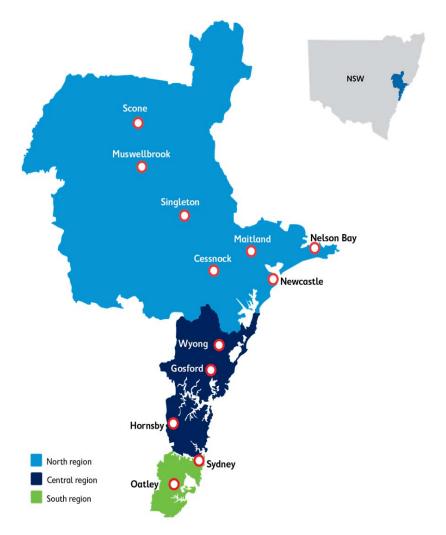
#### What we will talk about

- Who is Ausgrid?
- What your electricity bills are going to look like for the next five years
- Why they are not going to be like the previous five years
- Our plans and drivers for network projects and performance
- Our plans to improve our relationship with you



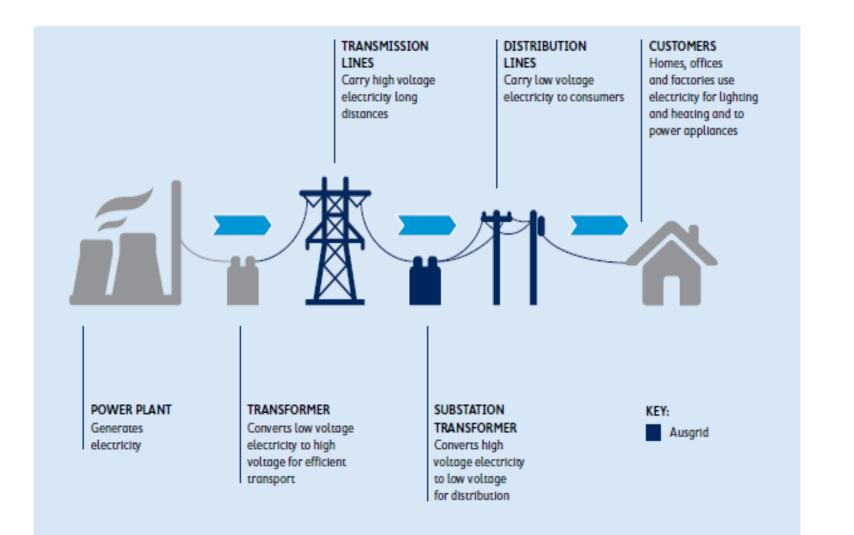
### Ausgrid runs the largest electricity network in Australia

- 1.6 million customers households and businesses
- Our network covers 22,275 square kilometres
  - 30,000 substations
  - 48,000km of power lines and
  - 500,000 power poles
  - 2.2 million meters
- Building our network today would cost an estimated \$38 billion
- Owned by the NSW Government



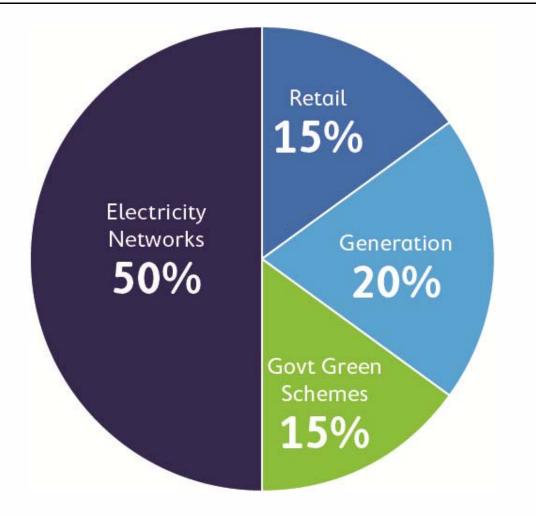


### Our role in getting power to you





#### Electricity networks account for half of your electricity bill





## Our share of your bill: rising below CPI for next 5 years

First and proposed average household price increases										
	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	2016–17	2017–18	2018–19
Dollar change	\$108	\$83	\$105	\$158	\$20	\$18	\$15	\$21	\$20	\$20
Percentage change	31.8%	18.7%	19.8%	25.0%	2.5%	2.2%	1.8%	2.5%	2.3%	2.2%
Past increases 2009–14						Proposed	increases	2014–19 –		

- Prices increased by an average 19.5% a year over the past five years
- We estimate prices in the next five years will increase by on average 2.37% pa – below CPI



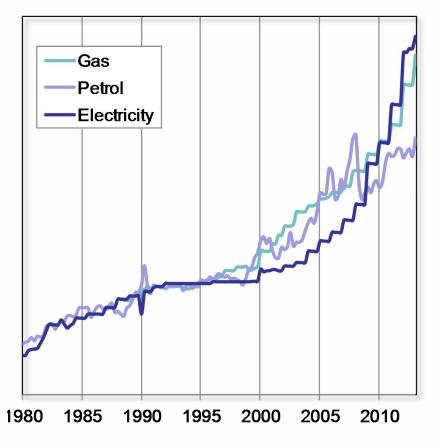
#### Why did prices go up so much last period?

Prices were artificially low from 1990-2009

Catch up needed to replace old equipment, peak demand and new standards

GFC meant higher funding costs







#### We have made changes to reduce our costs

- Forward investment program has stabilised
  - Better investment planning
- Cost of borrowing money has decreased
- Greater efficiencies in operating costs
  - Fleet one-third reduction in Ausgrid vehicles
  - Overtime \$100 million a year reduced to \$30 million
  - Reduce size of non-frontline workforce





### Our plans for the next five years

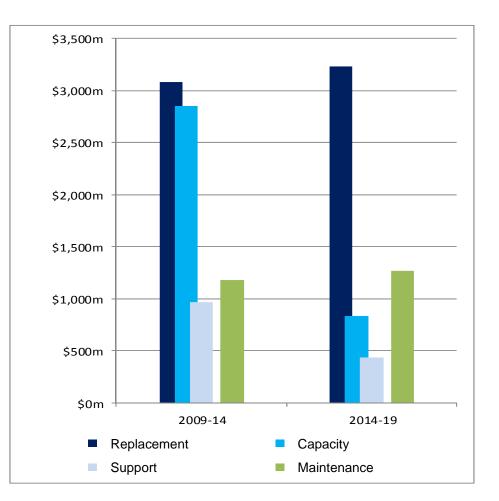
Capital expenditure	\$4.9 billion – real decrease of 47%
Operational expenditure	\$3.3 billion – real increase of 4%
Safety	improve
Reliability	steady

#### Average prices: 2.37% a year - below CPI for next 5 years



# **Drivers for our expenditure**

- Safety, reliability and affordability
- Replacing old equipment at risk of failure
- Customer connections capacity
- Maintenance to keep the network running
- Demand Management programs and innovation





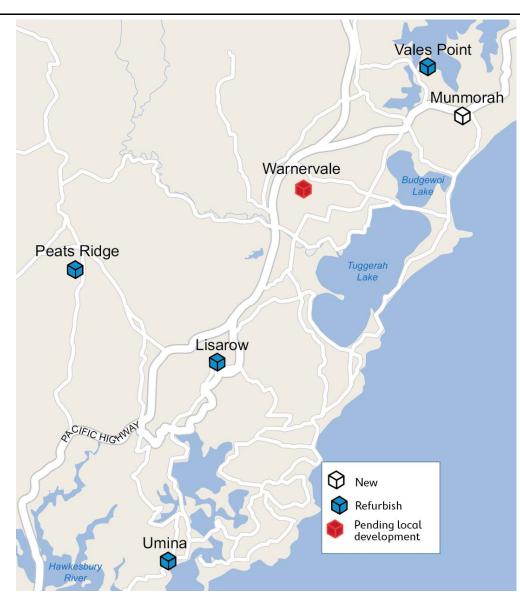
## Changes to user pays services

- Metering
- Street lighting
- Ancillary services





#### **Our plans for the Central Coast**





# Distribution replacement programs

- Replace 30kms of low voltage underground CONSAC cable, due to reliability
- CONSAC cable used from 1960s to the 90s.
- Replace 5 chamber substations.
- Duty of care no longer meet strict safety standards

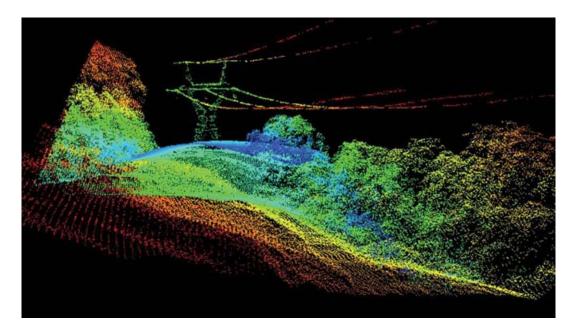






# **Bushfire Prevention**

- Land and aerial patrols
- Thermal imaging on 132kV between Rathmines and Somersby
- Powerlines inspected using LiDAR.



 Also inspecting some poles and wires on private property.



# Our relationship with you

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