Module: Introduction

Page: Introduction

0.1

Introduction
Please give a general description and introduction to your organization

Incitec Pivot is a leading global chemicals company with nitrogen-based manufacturing at its core providing commercial explosives, fertiliser products and related services. Incitec Pivot has extensive operations throughout the United States, Canada, Mexico, Australia, Turkey and Indonesia, including over 30 manufacturing plants, scores of distribution centres and well-established channels to market. The Company employs approximately 5,000 staff worldwide, 1,800 staff in Australia.
Incitec Pivot manufactures a range of fertiliser inputs and products including ammonium phosphates, ammonia, urea, sulphuric acid and superphosphates at six manufacturing sites across eastern Australia. Incitec Pivot is the only domestic manufacturer of ammonium phosphates and urea.
Our fertiliser business, Incitec Pivot Fertilisers (IPF) is Australia's largest supplier of fertilisers, dispatching around two million tonnes each year for use in the grain, cotton, pasture, dairy, sugar and horticulture industries. It operates through a comprehensive network of more than 200 distributors who supply the product to Australian farmers.
With a long-term commitment to investment into soil nutrition research, IPF is a leading provider of nutrition advice for farmers and customers and is industry accredited, promoting sustainable use of fertilisers and safe handling to customers and farmers.
Through our explosives business Dyno Nobel we are a market leader in North America and the second largest supplier in Australia. Dyno Nobel has a complete range of commercial explosives including ammonium nitrate, bulk explosives, packaged emulsions and dynamite as well as a range of initiating systems. We provide expert technical consulting services to support our product range supporting customers that include mining companies and their suppliers, quarries and companies supporting the construction industry.
In addition, Incitec Pivot manufactures various industrial chemical products used in water treatment, process manufacturing and other industrial applications.
As a major employer in remote and regional Australia, Incitec Pivot recognises the critical importance of its relationships with the members of the communities in which it operates. Our community investments range from donations to charities through to grass-root community activities and include community programs such as Help a Mate, industry sponsorships, staff participation in industry/education/community bodies and supporting rural communities through our Online Agronomy and Farmer communities.
In all of its activities, Incitec Pivot takes seriously its environmental responsibilities with a particular focus on material recycling, waste minimisation and energy conservation as part of our continuous improvement processes.

0.2

Reporting Year
Please state the start and end date of the year for which you are reporting data.
The current reporting year is the latest/most recent 12-month period for which data is reported. Enter the dates of this year first.
We request data for more than one reporting period for some emission accounting questions. Please provide data for the three years prior to the current reporting year if you have not provided this information before, or if this is the first time you have answered a CDP information request. (This does not apply if you have been offered and selected the option of answering the shorter questionnaire). If you are going to provide additional years of data, please give the dates of those reporting periods here. Work backwards from the most recent reporting year.
Please enter dates in following format: day(DD)/month(MM)/year(YYYY) (i.e. 31/01/2001).

Enter Periods that will be disclosed
Fri 01 Oct 2010 - Fri 30 Sep 2011

0.3

Country list configuration

Please select the countries for which you will be supplying data. This selection will be carried forward to assist you in completing your response

Select country
Australia
United States of America
Rest of world

0.4

Currency selection

Please select the currency in which you would like to submit your response. All financial information contained in the response should be in this currency.

AUD ($)

0.5

Please select if you wish to complete a shorter information request

0.6

Modules
As part of the Investor CDP information request, electric utilities, companies with electric utility activities or assets, companies in the automobile or auto component manufacture sectors and companies in the oil and gas industry should complete supplementary questions in addition to the main questionnaire.
If you are in these sectors (according to the Global Industry Classification Standard (GICS)), the corresponding sector modules will be marked as default options to your information request. If you want to query your classification, please email respond@cdproject.net.
If you have not been presented with a sector module that you consider would be appropriate for your company to answer, please select the module below. If you wish to view the questions first, please see https://www.cdproject.net/en-US/Programmes/Pages/More-questionnaires.aspx.

Module: Management [Investor]

Page: 1. Governance

1.1

Where is the highest level of direct responsibility for climate change within your company?

Senior Manager/Officer

1.1a

Please identify the position of the individual or name of the committee with this responsibility

Vice President Sustainability is the individual that 'specifically manages information on climate change'. This position reports to the Chief Financial Officer and is charged with providing periodic updates to the Board's HSEC Committee on Carbon Regulation and other Sustainability risks and opportunities.

1.2

Do you provide incentives for the management of climate change issues, including the attainment of targets?

Yes

1.2a

Please complete the table

Who is entitled to benefit from these incentives?	The type of incentives	Incentivised performance indicator
Environment/sustainability managers	Monetary reward	Develop and implement sustainability targets for resource reduction (energy and CO2e, water, and waste to landfill)

Further Information

Inclusion of energy and emission targets for all site managers in the Global Manufacturing team is currently under consideration.

Page: 2. Strategy

2.1

Please select the option that best describes your risk management procedures with regard to climate change risks and opportunities

A specific climate change risk management process

2.1a

Please provide further details (see guidance)

As part of the process to set the Incitec Pivot Sustainability Strategy a small cross-business risk exposure team was created. This team conducted a one-time review which identified and prioritised sustainability risks and opportunities across the supply chain using a risk impact assessment process which informed our sustainability strategy. In addition, sustainability risks are also considered as part of the annual risk review process.

2.2

Is climate change integrated into your business strategy?

Yes

2.2a

Please describe the process and outcomes (see guidance)

Potential sustainability risks to be managed and opportunities to be leveraged, including carbon regulation, have been considered at a high level by Corporate and Business Units in creating and acting on business strategies.

2.2b

Please explain why not

2.3

Do you engage with policy makers to encourage further action on mitigation and/or adaptation?

Yes

2.3a

Please explain (i) the engagement process and (ii) actions you are advocating

IPL engages with policymakers in Australia, Canada and the United States through its membership of various industry associations and in Australia we are currently engaging directly with the Government in relation to energy and carbon regulations.
The actions we are advocating include:
• simplification and alignment of related energy legislation and regulation
• appropriate assistance for trade-exposed Australian commodity businesses competing against companies domiciled in countries without domestic carbon regulation
• linkage of the Australian Carbon Farming Initiative to future carbon schemes

Page: 3. Targets and Initiatives

3.1

Did you have an emissions reduction target that was active (ongoing or reached completion) in the reporting year?

No

3.1a

Please provide details of your absolute target

ID	Scope	% of emissions in scope	% reduction from base year	Base year	Base year emissions (metric tonnes CO2e)	Target year	Comment

3.1b

Please provide details of your intensity target

ID	Scope	% of emissions in scope	% reduction from base year	Metric	Base year	Normalized base year emissions	Target year	Comment

3.1c

Please also indicate what change in absolute emissions this intensity target reflects

ID	Direction of change anticipated in absolute Scope 1+2 emissions at target completion?	% change anticipated in absolute Scope 1+2 emissions	Direction of change anticipated in absolute Scope 3 emissions at target completion?	% change anticipated in absolute Scope 3 emissions	Comments

3.1d

Please provide details on your progress against this target made in the reporting year

ID	% complete (time)	% complete (emissions)	Comment

3.1e

Please explain (i) why not; and (ii) forecast how your emissions will change over the next five years

Sustainability targets (including the reduction of CO2e) have been set for Australian sites subsequent to the Year end that this report applies to. These align with our existing focus on running lean, energy efficient plants, and emissions savings are expected.
Our Scope 1 and Scope 2 emissions will increase when our new Queensland ammonium nitrate facility is commissioned in 2012.

3.2

Does the use of your goods and/or services directly enable GHG emissions to be avoided by a third party?

Yes

3.2a

Please provide details (see guidance)

1. Use of 'Green Urea' fertiliser may reduce GHG emissions in agriculture
(i) Urea inhibitors delay the hydrolysis of urea into nitrogen forms that may enter the atmosphere during volatilisation.
(ii) Losses of nitrous oxides to the atmosphere are estimated to be reduced by a conservative 50%, but are difficult to quantify due to being affected by precipitation and application techniques. Agronomy services and education are provided to customers to increase knowledge and maximise emissions reductions.
(iii) No exact methodology to measure reductions in emissions has been developed as yet.
(iv) No carbon credits will be sought.

2. Use of nitrogen fertilisers helps to increase yields of food and biodiesel per hectare, reducing greater GHG emissions associated with land clearing.
(i) Emissions are avoided by increasing yields to meet food and biofuel demands using less cleared land, which preserves more forests for sequestration of CO2.
(ii) Fertiliser use (including manufacture) is estimated to have avoided 161 Gt of CO2e since 1961, or 31.1Gt / year.*
**Snyder et al (2010) Global crop intensification lessens greenhouse gas emissions, Better Crops 94, (4) 16-17*
**Burney et al (2010) Greenhouse gas mitigation by agricultural intensification. Proc Natl Acad Sci USA 2010 Jun 29:107(26):12052-7. Epub 2010 June 15.*
(iii) The methodology and assumptions used in this study can be obtained from the journal articles referenced above.
(iv) Carbon credits will not be sought.

3.3

Did you have emissions reduction initiatives that were active within the reporting year (this can include those in the planning and/or implementation phases)

Yes

3.3a

Please identify the total number of projects at each stage of development, and for those in the implementation stages, estimated CO2e savings

Stage of development	Number of projects	Total estimated annual CO2e savings (only for rows marked *)
Under investigation	6	
To be implemented*	1	20
Implementation commenced*	0	0
Implemented*	7	16825
Not to be implemented	4	

3.3b

For those initiatives implemented in the reporting year, please provide details in the table below

Activity type	Description of activity	Estimated annual CO2e savings	Annual monetary savings (unit currency)	Investment required (unit currency)	Payback period
Energy efficiency: processes	Replacement of an underperforming superheater coil and alterations to brickwork to increase heat transfer to coil	71556		150000	1-3 years
Energy efficiency: processes	Application of CETEK coating to reformer walls to improve heat transfer to catalyst tubes and reduce heat loss to atmosphere	3624		235338	1-3 years
Energy efficiency: processes	Installation of additional instrumentation on primary reformer				>3 years
Energy efficiency: processes	Upgrade utilities feedwater pump	5995		100000	1-3 years
Energy efficiency: processes	Repair leaking blowdown valves	50			1-3 years
Energy efficiency: processes	Adjust air conditioning timers on buildings	19		0	<1 year
Other	Improved use of site based KPIs				1-3 years

3.3c

What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	EEO and EREP (Vic). A new 5 year EEO plan will be developed by the end of 2012.
Partnering with governments on technology development	IPL undertakes a range of research projects with Universities across Australia.
Other	A key part of our Sustainability agenda is a focus on more efficient use of non-renewable resources. A number of projects have commenced (post year end) at Australian sites as a result of this agenda and working groups lead by the Environmental Sustainability Analyst.

3.3d

If you do not have any emissions reduction initiatives, please explain why not

Further Information

Where blank, 'Annual Monetary Savings' and 'Investments Required' has not been completed in 3.3b due to confidentiality.
Where savings cannot be quantified, no entry has been made.

Page: 4. Communication

4.1

Have you published information about your company's response to climate change and GHG emissions performance for this reporting year in other places than in your CDP response? If so, please attach the publication(s)

Publication	Page/Section Reference	Identify the attachment
In voluntary communications (complete)		Sustainability Report
In other regulatory filings (complete)		National Greenhouse and Energy Report 2011 (AUS)
In other regulatory filings (complete)		National Pollution Inventory (AUS)
In other regulatory filings (complete)		Toxic Release Inventory (US)
In other regulatory filings (complete)		NPRI (Canada)
In voluntary communications (complete)		FIFA Eco Efficiency Report (AUS)
In voluntary communications (complete)		IFA Environmental Performance Survey

Further Information

Reports can be downloaded from http://www.incitecpivot.com.au/

Module: Risks and Opportunities [Investor]

Page: 2012-Investor-Risks&Opps-ClimateChangeRisks

5.1

Have you identified any climate change risks (current or future) that have potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Risks driven by changes in regulation
Risks driven by changes in physical climate parameters
Risks driven by changes in other climate-related developments

5.1a

Please describe your risks driven by changes in regulation

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	Emission reporting obligations	Carbon reporting has impacted IPL resources to enable compliance	Increased operational cost	Current	Direct	Virtually certain	Low
	Carbon taxes	As a nitrogen based manufacturer, IPL's operations are carbon intensive and therefore a carbon price will impact IPL as a trade exposed Company	Increased operational cost	1-5 years	Direct	Virtually certain	Low

5.1b

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; and (iii) the costs associated with these actions

(i) Whilst IPL has prepared for carbon regulation within Australia under the current regime, uncertainty remains about the future of the scheme and the future of carbon regulation with the Opposition committed to repealing the scheme at the first opportunity. Whilst an analysis of predicted permit costs can be made for the fixed price period, forecasting beyond 2015 is not possible given pricing and political uncertainty. In addition, a full review of potential cost increases from suppliers is still not possible given the nature of the scheme.

(ii) In September 2010, IPL created a Sustainability Strategy which includes our approach to carbon risk. The financial risk of carbon costs is actively managed by the Sustainability Team, lead by the CFO to ensure that risk is managed at the Executive level. An education plan has been rolled out across the Australian finance team and key operations staff to increase awareness of costs and risks along with Group wide communications. In 2012 a voluntary assurance of our National Greenhouse Reporting forms part of our internal audit processes, designed to strengthen our data processes ahead of carbon regulation.

(iii) As noted above, costs associated with carbon taxes are as yet undefined, but with Government assistance, costs are estimated as less than 10 million annually. Costs associated with compliance actions are estimated to be approximately $400,000 per annum.

5.1c

Please describe your risks that are driven by change in physical climate parameters

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	Change in precipitation extremes and droughts	Extreme weather conditions may impact our own production as well as sections of our customer base, particularly our fertiliser trade and mine access for mining customers	Inability to do business	Current	Indirect (Client)	More likely than not	Unknown
	Tropical cyclones (hurricanes and typhoons)	An increase in the incidence of natural disasters may affect our own production as well as sections of our customer base, particularly our fertiliser trade.	Reduction/disruption in production capacity	Current	Direct	More likely than not	Unknown

5.1d

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; and (iii) the costs associated with these actions

(i) The financial implications of extreme weather events, including drought, flood and the incidence of tropical cyclones include possible temporary disruption to production and trade.

(ii) The potential operations exposure to physical risks and associated mitigation is reviewed as part of our Health Safety Environment risk management processes and business continuity planning.

(iii) Costs associated with these actions are difficult to quantify.

5.1e

Please describe your risks that are driven by changes in other climate-related developments

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	Reputation	Business reputation risk if Sustainability and Climate Change actions are not addressed and communicated	Reduced stock price (market valuation)	1-5 years	Direct	More likely than not	Unknown

5.1f

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; (iii) the costs associated with these actions

(i) Potential financial implications of the risk to business reputation in the event of ignoring sustainability and climate change issues include a possible reduction in investor interest and low morale of employees

(ii) This has been actively mitigated by the formalising of a Sustainability Strategy and a position on Climate Change together with increased communications and employee education. In particular our communications plan includes a step change in our public Sustainability Reporting, increased intranet and regular internal news articles about our Sustainability actions and achievements.

(iii) The costs associated with these actions are difficult to quantify.

5.1g

Please explain why you do not consider your company to be exposed to risks driven by changes in regulation that have the potential to generate a substantive change in your business operations, revenue or expenditure

5.1h

Please explain why you do not consider your company to be exposed to risks driven by physical climate parameters that have the potential to generate a substantive change in your business operations, revenue or expenditure

5.1i

Please explain why you do not consider your company to be exposed to risks driven by changes in other climate-related developments that have the potential to generate a substantive change in your business operations, revenue or expenditure

Page: 2012-Investor-Risks&Opps-ClimateChangeOpp

6.1

Have you identified any climate change opportunities (current or future) that have the potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Opportunities driven by changes in regulation
Opportunities driven by changes in physical climate parameters
Opportunities driven by changes in other climate-related developments

6.1a

Please describe your opportunities that are driven by changes in regulation

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact
	Carbon taxes	Customer demand for energy efficient and low NOx explosives.	New products/business services	1-5 years	Indirect (Client)	Likely	Low-medium

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact
	Carbon taxes	Customer demand for low emissions fertilisers	New products/business services	1-5 years	Indirect (Client)	Likely	Low-medium
	Carbon taxes	Increasing operational energy efficiency to reduce emissions	New products/business services	Current	Direct	Virtually certain	Low-medium

6.1b

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

(iv) As demand for low emission products increases, IPL has the opportunity to supply internally developed low emission products and support services such as soil management and energy efficient blasting to customers. Some potential to reduce costs by increasing efficiency still remains.

(v) IPL has three laboratories where research and development of new products is being undertaken.

(vi) Costs associated with research and development of new products, and with directing staff into R&D. Costs associated with increasing operational efficiency may yield financial savings. In particular abatement at key Australian nitrogen sites directly impacted by carbon regulation will have a cost benefit.

6.1c

Please describe the opportunities that are driven by changes in physical climate parameters

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	Change in precipitation pattern	Changes in weather patterns, particularly concerning rain	New products/business services	Unknown	Indirect (Client)	Unknown	Unknown

6.1d

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

Opportunity and actions have not been costed. The research and development undertaken at our laboratories targets the current and future needs of our customers.

6.1e

Please describe the opportunities that are driven by changes in other climate-related developments

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	Changing consumer behaviour	Changing consumer trends may impact our customers and therefore our products and services, particularly our agricultural customers	New products/business services	Unknown	Indirect (Client)	Unknown	Unknown

6.1f

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

Opportunity and actions have not been costed. The research and development undertaken at our laboratories targets the current and future needs of our customers.

6.1g

Please explain why you do not consider your company to be exposed to opportunities driven by changes in regulation that have the potential to generate a substantive change in your business operations, revenue or expenditure

6.1h

Please explain why you do not consider your company to be exposed to opportunities driven by physical climate parameters that have the potential to generate a substantive change in your business operations, revenue or expenditure

6.1i

Please explain why you do not consider your company to be exposed to opportunities driven by changes in other climate-related developments that have the potential to generate a substantive change in your business operations, revenue or expenditure

Module: GHG Emissions Accounting, Energy and Fuel Use, and Trading [Investor]

Page: 7. Emissions Methodology

7.1

Please provide your base year and base year emissions (Scopes 1 and 2)

Base year	Scope 1 Base year emissions (metric tonnes CO2e)	Scope 2 Base year emissions (metric tonnes CO2e)
Mon 01 Oct 2007 - Tue 30 Sep 2008	1316000	256000

7.2

Please give the name of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions

Please select the published methodologies that you use
Australia - National Greenhouse and Energy Reporting Act
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

7.2a

If you have selected "Other", please provide details below

7.3

Please give the source for the global warming potentials you have used

Gas	Reference
CO2	IPCC Second Assessment Report (SAR - 100 year)
CH4	IPCC Second Assessment Report (SAR - 100 year)
N2O	IPCC Second Assessment Report (SAR - 100 year)
SF6	IPCC Second Assessment Report (SAR - 100 year)

7.4

Please give the emissions factors you have applied and their origin; alternatively, please attach an Excel spreadsheet with this data

Fuel/Material/Energy	Emission Factor	Unit	Reference

Attachments

https://www.cdproject.net/Sites/2012/14/8914/Investor CDP 2012/Shared Documents/Attachments/InvestorCDP2012/7.EmissionsMethodology/CDP_Equations_IPL_2011.xls

Page: 8. Emissions Data - (1 Oct 2010 - 30 Sep 2011)

8.1

Please select the boundary you are using for your Scope 1 and 2 greenhouse gas inventory

Operational control

8.2a

Please provide your gross global Scope 1 emissions figure in metric tonnes CO2e

1845333

8.2b

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 1 breakdown

Boundary	Gross global Scope 1 emissions (metric tonnes CO2e)	Comment

8.2c

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 1 Total

Gross global Scope 1 emissions (metric tonnes CO2e) – Part 1 Total	Comment

8.2d

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 2

Boundary	Gross global Scope 1 emissions (metric tonnes CO2e)	Comment

8.3a

Please provide your gross global Scope 2 emissions figure in metric tonnes CO2e

325981

8.3b

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 1 breakdown

Boundary	Gross global Scope 2 emissions (metric tonnes CO2e)	Comment

8.3c

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 1 Total

Gross global Scope 2 emissions (metric tonnes CO2e) - Total Part 1	Comment

8.3d

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 2

Boundary	Gross global Scope 2 emissions (metric tonnes CO2e) - Other operationally controlled entities, activities or facilities	Comment

8.4

Are there are any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions which are not included in your disclosure?

8.4a

Please complete the table

Reporting Entity	Source	Scope	Explain why the source is excluded

8.4

Are there are any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions which are not included in your disclosure?

No

8.4a

Please complete the table

Source	Scope	Explain why the source is excluded

8.5

Please estimate the level of uncertainty of the total gross global Scope 1 and Scope 2 figures that you have supplied and specify the sources of uncertainty in your data gathering, handling, and calculations

Scope 1 emissions: Uncertainty range	Scope 1 emissions: Main sources of uncertainty	Scope 1 emissions: Please expand on the uncertainty in your data	Scope 2 emissions: Uncertainty range	Scope 2 emissions: Main sources of uncertainty	Scope 2 emissions: Please expand on the uncertainty in your data
More than 2% but less than or equal to 5%	Assumptions Metering/ Measurement Constraints Data Management	Uncertainty for Scope 1 and 2 emissions from Australian operations was calculated at 2.85% using the National Greenhouse and Energy Reporting Uncertainty Calculator (© Commonwealth of Australia 2011) provided by the Australian Government Department of Climate Change and Energy Efficiency for the purposes of National Greenhouse and Energy Reporting. This calculator takes into account the methodologies used, GWP Factors and EC and EF factors. While IPL have not estimated the accuracy through	More than 2% but less than or equal to 5%	Assumptions Metering/ Measurement Constraints Data Management	Uncertainty for Scope 1 and 2 emissions from Australian operations was calculated at 2.85% using the National Greenhouse and Energy Reporting Uncertainty Calculator (© Commonwealth of Australia 2011) provided by the Australian Government Department of Climate Change and Energy Efficiency for the purposes of National Greenhouse and Energy Reporting. This calculator takes into account the methodologies used, GWP Factors and EC and EF factors. While IPL have not estimated the accuracy through

Scope 1 emissions: Uncertainty range	Scope 1 emissions: Main sources of uncertainty	Scope 1 emissions: Please expand on the uncertainty in your data	Scope 2 emissions: Uncertainty range	Scope 2 emissions: Main sources of uncertainty	Scope 2 emissions: Please expand on the uncertainty in your data
		the calculation of a standard deviation or percentage error for emissions outside of Australia, we are of the view, based on a long corporate history of reviewing energy consumption data for efficiency purposes, that underlying energy data is reliable and accurate.			the calculation of a standard deviation or percentage error for emissions outside of Australia, we are of the view, based on a long corporate history of reviewing energy consumption data for efficiency purposes, that underlying energy data is reliable and accurate.

8.6

Please indicate the verification/assurance status that applies to your Scope 1 emissions

Not verified or assured

8.6a

Please indicate the proportion of your Scope 1 emissions that are verified/assured

8.6b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Level of verification or assurance	Relevant verification standard	Relevant statement attached

8.7

Please indicate the verification/assurance status that applies to your Scope 2 emissions

Not verified or assured

8.7a

Please indicate the proportion of your Scope 2 emissions that are verified/assured

8.7b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Level of verification or assurance	Relevant verification standard	Relevant statement attached

8.8

Are carbon dioxide emissions from the combustion of biologically sequestered carbon (i.e. carbon dioxide emissions from burning biomass/biofuels) relevant to your company?

No

8.8a

Please provide the emissions in metric tonnes CO2e

Page: 9. Scope 1 Emissions Breakdown - (1 Oct 2010 - 30 Sep 2011)

9.1

Do you have Scope 1 emissions sources in more than one country or region (if covered by emissions regulation at a regional level)?

Yes

9.1a

Please complete the table below

Country	Scope 1 metric tonnes CO2e
Australia	971325
United States of America	872602
Rest of world	1406

9.2

Please indicate which other Scope 1 emissions breakdowns you are able to provide (tick all that apply)

9.2a

Please break down your total gross global Scope 1 emissions by business division

Business Division	Scope 1 metric tonnes CO2e

9.2b

Please break down your total gross global Scope 1 emissions by facility

Facility	Scope 1 metric tonnes CO2e

9.2c

Please break down your total gross global Scope 1 emissions by GHG type

GHG type	Scope 1 metric tonnes CO2e

9.2d

Please break down your total gross global Scope 1 emissions by activity

Activity	Scope 1 metric tonnes CO2e

Page: 10. Scope 2 Emissions Breakdown - (1 Oct 2010 - 30 Sep 2011)

10.1

Do you have Scope 2 emissions sources in more than one country or region (if covered by emissions regulation at a regional level)?

Yes

10.1a

Please complete the table below

Country	Scope 2 metric tonnes CO2e
Australia	162748
United States of America	162566
Rest of world	667

10.2

Please indicate which other Scope 2 emissions breakdowns you are able to provide (tick all that apply)

10.2a

Please break down your total gross global Scope 2 emissions by business division

Business division	Scope 2 metric tonnes CO2e

10.2b

Please break down your total gross global Scope 2 emissions by facility

Facility	Scope 2 metric tonnes CO2e

10.2c

Please break down your total gross global Scope 2 emissions by activity

Activity	Scope 2 metric tonnes CO2e

Page: 11. Emissions Scope 2 Contractual

11.1

Do you consider that the grid average factors used to report Scope 2 emissions in Question 8.3 reflect the contractual arrangements you have with electricity suppliers?

Don't know

11.1a

You may report a total contractual Scope 2 figure in response to this question. Please provide your total global contractual Scope 2 GHG emissions figure in metric tonnes CO2e

11.1b

Explain the basis of the alternative figure (see guidance)

11.2

Has your organization retired any certificates, e.g. Renewable Energy Certificates, associated with zero or low carbon electricity within the reporting year or has this been done on your behalf?

No

11.2a

Please provide details including the number and type of certificates

Type of certificate	Number of certificates	Comments

Page: 12. Energy

12.1

What percentage of your total operational spend in the reporting year was on energy?

12.2

Please state how much fuel, electricity, heat, steam, and cooling in MWh your organization has consumed during the reporting year

Energy type	MWh
Fuel	
Electricity	
Heat	
Steam	

Energy type	MWh
Cooling	

12.3

Please complete the table by breaking down the total "Fuel" figure entered above by fuel type

Fuels	MWh
Other: Data unavailable	0

Further Information

Data on percentage of operational spend in reporting year on energy is not available

Page: 13. Emissions Performance

13.1

How do your absolute emissions (Scope 1 and 2 combined) for the reporting year compare to the previous year?

Decreased

13.1a

Please complete the table

Reason	Emissions value (percentage)	Direction of change	Comment
Change in output	22.5	Decrease	This reduction is largely attributable to reduced emissions from our North American operations due to: 1. A programmed shutdown at our site in Louisiana, Missouri, United States, which reduced production and thus emissions. The supply of energy for electricity was also changed during the shutdown, from steam created at a nearby coal fired plant to a combination of coal fired steam and natural gas, which will decrease emissions for the site on an ongoing basis. 2. The mothballing of the Maitland Canada site. This occurred during 2010, so production at this plant contributed to FY2009/10 emissions, but not to the FY2010/11 emissions. 3. Installation of a replacement catalyst in the No. 4 nitric acid plant at our site in Cheyenne, Wyoming, in the United States. This significantly reduced nitrous oxide emissions from the site, despite an increase in annual production.

13.2

Please describe your gross combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per unit currency total revenue

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for Change
	metric tonnes CO2e	unit total revenue			This parameter is considered meaningless for IPL due to the large range of products and services we supply: a change in the proportion of products and services that we supply would show a large change in intensity without a large change in emissions.

13.3

Please describe your gross combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per full time equivalent (FTE) employee

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for Change
499.26	metric tonnes CO2e	FTE Employee		N/A	Not calculated last year

13.4

Please provide an additional intensity (normalized) metric that is appropriate to your business operations

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for Change
	metric tonnes CO2e			N/A	

Page: 14. Emissions Trading

14.1

Do you participate in any emission trading schemes?

No, but we anticipate doing so in the next two years

14.1a

Please complete the following table for each of the emission trading schemes in which you participate

Scheme name	Period for which data is supplied	Allowances allocated	Allowances purchased	Verified emissions in metric tonnes CO2e	Details of ownership

14.1b

What is your strategy for complying with the schemes in which you participate or anticipate participating?

The Australian Federal Government Carbon Pricing Scheme, which begins with a fixed permit price (per tonne of CO2e) on 1 July 2012 will move to an emissions trading scheme in July 2015. In line with our overall Sustainability Strategy we will actively manage our risks and leverage our opportunities under a formal emissions trading scheme.

14.2

Has your company originated any project-based carbon credits or purchased any within the reporting period?

No

14.2a

Please complete the following table

Credit origination or credit purchase	Project type	Project identification	Verified to which standard	Number of credits (metric tonnes of CO2e)	Number of credits (metric tonnes CO2e): Risk adjusted volume	Credits retired	Purpose e.g. compliance

Page: 2012-Investor-Scope 3 Emissions

15.1

Please provide data on sources of Scope 3 emissions that are relevant to your organization

Sources of Scope 3 emissions	metric tonnes CO2e	Methodology	If you cannot provide a figure for emissions, please describe them
		No data is available for Scope 3 emissions.	

15.2

Please indicate the verification/assurance status that applies to your Scope 3 emissions

No emissions data provided

15.2a

Please indicate the proportion of your Scope 3 emissions that are verified/assured

15.2b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Level of verification or assurance	Relevant verification standard	Relevant statement attached

15.3

Are you able to compare your Scope 3 emissions for the reporting year with those for the previous year for any sources?

No, we don’t have any emissions data

15.3a

Please complete the table

Sources of Scope 3 emissions	Reason for change	Emissions value (percentage)	Direction of change	Comment

Module: Sign Off

Page: Sign Off

Please enter the name of the individual that has signed off (approved) the response and their job title

Clare Luehman
Vice President Sustainability