

## CDP 2009 Information Request

Respondent: Incitec Pivot Ltd

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### General introduction

#### Risk and Opportunities

##### 1. Regulatory Risks: (CDP6 1(a)(i))

1.1 Is your company exposed to regulatory risks related to climate change?

We consider our company to be exposed to regulatory risks.

IPL is exposed to regulatory risk in Australia in relation to the proposed Carbon Pollution Reduction Scheme both directly from the requirement to pay for Australian Emission Units (AEU) to cover annual emissions (net of Government assistance) and indirectly through pass through carbon costs from suppliers also impacted by the scheme.

The obligations under the National Greenhouse Emission Reporting Act (NGER) which requires IPL to report all indirect and direct emissions for Australian facilities over the 25000t Co2e threshold, has also impacted IPL resources. Work undertaken to build a reliable, accurate reporting system for this legislative reporting will underlie any future CPRS.

Regulatory risk also exists in relation to our North American plants with both the Canadian and United States Government's indicating that they will also legislate to apply a carbon cost to manufacturing emissions in the future. Reporting of emissions in these countries has also increased over the past year.

To mitigate identified regulatory risk the two key activity streams undertaken by IPL involved increasing internal expertise and creating an information-sharing relationship with the Government. The formation of a cross-functional steering committee in March 2008 highlighted risks and assisted in the preparations for NGER and CPRS while promoting education about oncoming regulation across the Australian business. The appointment of a dedicated Emissions Trading and Sustainability Manager in September 2008 provided a central role to advance this process. Throughout the past year IPL has actively responded to all Government information requests both as an individual company and within industry groups to ensure the potential impacts on our operations in relation to the scheme design is understood.

#### Further information

##### 2. Physical Risks: (CDP6 1(a)(ii))

2.1 Is your company exposed to physical risks from climate change?

We consider our company to be exposed to physical risks.

The risk on operations from the changing weather patterns and extreme weather events is recognised by IPL and our operations have been impacted by both water scarcity and flood in the current year. Changing weather patterns may also impact sections of our customer base, particularly our fertiliser trade. As a global trader, negative weather impacts in one region may be offset by exporting into another region which may have beneficial weather impacts.

The potential operations exposure to physical risks and associated mitigation is reviewed as part of our HSE risk management processes and business continuity planning.

#### Further information

##### 3. Other Risks: (CDP6 1(a)(iii))

3.1 Is your company exposed to other risks as a result of climate change?

We consider our company to be exposed to other risks.

Business reputation risk aligned to the higher publicity afforded corporate carbon footprints was also assessed. This has been actively mitigated by the commencement of Sustainability Reporting, particularly public reporting of IPL's carbon footprint and energy reduction projects.

#### Further information

##### 4. Regulatory Opportunities: (CDP6 1(b)(i))

4.1 Do regulatory requirements on climate change present opportunities for your company?

Regulatory requirements present opportunities for my company.

As a product development leader in our customer markets we have opportunities to provide energy efficient blasting services in our explosives business and our Agronomy team assists our fertiliser customers in improved soil management which increases bio-sequestration of carbon. We expect that demand for our agronomy and blasting solution services will increase as our customers seek to improve the carbon efficiency of their value chains. We also produce several products which can reduce third party emissions (refer question 14) and climate change regulation may increase demand for these products.

Operationally, our ongoing energy efficiency plans will potentially deliver carbon cost savings as well as direct financial savings.

Further information

#### 5. Physical Opportunities: (CDP6 1(b)(ii))

5.1 Do physical changes resulting from climate change present opportunities for your company?

Physical changes do not present opportunities for my company.

No material physical opportunities are expected from climate change.

Further information

#### 6. Other Opportunities: (CDP6 1(b)(iii))

6.1 Does climate change present other opportunities for your company?

Climate change does not present other opportunities for my company.

No other material opportunities are expected from climate change

Further information

### Greenhouse Gas (GHG) Emissions Accounting, Emissions Intensity, Energy and Trading

#### 7. Reporting Year (CDP6 Q2(a)(ii))

Information about how to respond to this section may be found in "The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)" developed by the World Resources Institute and the World Business Council for Sustainable Development ("the GHG Protocol"), see <http://www.ghgprotocol.org/>. ISO 14064-1 is compatible with the GHG Protocol as are a number of regional/national programme protocols. For more information see <http://www.ghgprotocol.org/> and use the guidance button above.

Please provide CDP with responses to questions 7, 8, 9, 10.1, 10.2, 11.1 and 11.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last.

Questions 10.1, 10.2, 11.1, and 11.2 are on subsequent webpages and the dates that you give in answer to question 7 will be carried forwards to automatically populate those webpages.

7.1. Please state the start date and end date of the year for which you are reporting GHG emissions.

Start date: 01 October 2007

End date: 30 September 2008

Financial accounting year: 01 October 2007

#### 8. Reporting Boundary: (CDP6 Q2(a)(i))

8.1. Please indicate the category that describes the company, entities, or group for which Scope 1 and Scope 2 GHG emissions are reported.

Companies over which financial control is exercised – per consolidated audited Financial Statements.

8.2. Please state whether any parts of your business or sources of GHG emissions are excluded from your reporting boundary.

In particular Queensland Nitrates Pty Ltd, our joint venture with CSBP, is excluded as it is a separate legal entity with independent reporting.

#### 9. Methodology: (CDP6 Q2(a)(iii))

9.1. Please describe the process used by your company to calculate Scope 1 and Scope 2 GHG emissions including the name of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 GHG emissions.

Please provide your answer in the text box. In addition to this description, if relevant, select a methodology from the list of published methodologies. This will aid automated analysis of the data.

GHG emissions have been collated in line with the GHG Protocol and include the CO2e translation of all six of the GH Gases covered by the Kyoto Protocol.

Sites record their individual energy consumption (natural gas, electricity, diesel etc.) which is then translated using applicable nationally published conversion factors. Since 1 July 2008 all Australian sites record their consumption into a national environmental reporting system. The published factors are referenced from the Australian National Greenhouse and Energy Reporting (Measurement) Determination 2008, the Environment Canada Greenhouse Gas National Inventory Report and the United

States EPA Climate Leaders Greenhouse Gas Inventory Protocol.

Some minor variations in emission factors occur from the use of local guidelines, particularly in relation to Nitrous Oxide emissions, however the impact on the calculation of IPL's global carbon footprint is not considered material.

Select methodologies:

Please also provide:

9.2 Details of any assumptions made.

Any assumptions made in calculating the emissions have been minimal and ultimately immaterial; therefore their disclosure is not warranted.

9.3 The names of and links to any calculation tools used.

Select calculation tools:

9.4 The global warming potentials you have applied and their origin.

9.5 The emission factors you have applied and their origin.

Further information

We have also provided information for the two years prior to the current reporting year for comparison purposes, noting that IPL's organisation structure has changed significantly over this time period

## 10. Scope 1 Direct GHG Emissions: (CDP6 Q2(b)(i))

Instructions for question 10 and question 11 (following page)

When providing answers to questions 10 and 11, please do not deduct offset credits, Renewable Energy Certificates etc, or net off any estimated avoided emissions from the export of renewable energy, carbon sequestration (including enhanced oil recovery) or from the use of goods and services. Opportunities to provide details of activities that reduce or avoid emissions are provided elsewhere in the information request.

Carbon dioxide emissions from biologically sequestered carbon e.g. carbon dioxide from burning biomass/biofuels should be reported separately from emissions Scopes 1, 2 and 3. If relevant, please report these emissions in question 15. However, please do include any nitrous oxide or methane emissions from biomass/biofuel combustion in your emissions under the three scopes.

Please answer the following questions using Table 1.

Please provide:

10.1. Total gross global Scope 1 GHG emissions in metric tonnes of CO<sub>2</sub>-e

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

10.2. Country or region

Please provide CDP with responses to questions 10.1 and 10.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last. Table 1 (below) and table 5 (Q11.1 and 11.2) will be automatically populated with the dates that you give in answer to 7.1.

Electric utilities should report emissions by country/region using the table in question EU3.

Table 1 - Please use whole numbers only. Use the "Other" option in the drop down menu to enter the name of a region.

Reporting year Q7.1 Start date	01/10/2007	01/10/2006	01/10/2005
Reporting year Q7.1 End date	30/09/2008	30/09/2007	30/09/2006
10.1 Total gross global Scope 1 GHG emissions in metric tonnes CO <sub>2</sub> -e	1316000	955000	555000
10.2 Gross Scope 1 emissions in metric tonnes CO <sub>2</sub> -e by country or region			

Australia	946000	955000	555000
Rest of World	370000	0	0

Your answer to question 10.1 will be automatically carried forward to tables 2 and 3 below if you add a country or region in answer to 10.2 or press "Save" at the end of the page.

Please tick the box if your total gross global Scope 1 figure (Q10.1) includes emissions that you have transferred outside your reporting boundary (as given in answer to 8.1). Please report these transfers under 13.5.

Where it will facilitate a better understanding of your business, please also break down your total global Scope 1 emissions by:

10.3. Business division  
and/or  
10.4. Facility

10.3. Business division (only data for the current reporting year requested)

Table 2 - Please use whole numbers only.

Business Divisions - Enter names below	Scope 1 Metric tonnes CO <sub>2</sub> -e
Total gross global Scope 1 GHG emissions in metric tonnes CO <sub>2</sub> -e - answer to question Q10.1	1316000

10.4. Facility (only data for the current reporting year requested)

Table 3 - Please use whole numbers only.

Facilities - Enter names below	Scope 1 Metric tonnes CO <sub>2</sub> -e
Total gross global Scope 1 GHG emissions in metric tonnes CO <sub>2</sub> -e - answer to question Q10.1	1316000

10.5. Please break down your total global Scope 1 GHG emissions in metric tonnes of the gas and metric tonnes of CO<sub>2</sub>-e by GHG type. (Only data for the current reporting year requested.)

Table 4 - Please use whole numbers only.

Scope 1 GHG Type	Unit	Quantity
CO <sub>2</sub>	Metric tonnes	
CH <sub>4</sub>	Metric tonnes	
CH <sub>4</sub>	Metric tonnes CO <sub>2</sub> -e	
N <sub>2</sub> O	Metric tonnes	
N <sub>2</sub> O	Metric tonnes CO <sub>2</sub> -e	
HFCs	Metric tonnes	
HFCs	Metric tonnes CO <sub>2</sub> -e	
PFCs	Metric tonnes	
PFCs	Metric tonnes CO <sub>2</sub> -e	
SF <sub>6</sub>	Metric tonnes	
SF <sub>6</sub>	Metric tonnes CO <sub>2</sub> -e	

10.6. If you have not provided any information about Scope 1 emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 1 GHG emissions information in future.

Further information

Note that our 'Rest of the World' emissions relate to our operations in North America (Canada, Mexico and the United States).

## 11. Scope 2 Indirect GHG Emissions: (CDP6 Q2(b)(i))

Important note about emission factors where zero or low carbon electricity is purchased:

The emissions factor you should use for calculating Scope 2 emissions depends upon whether the electricity you purchase is counted in calculating the grid average emissions factor or not – see below. You can find this out from your supplier.

Electricity that IS counted in calculating the grid average emissions factor:

Where zero or low carbon electricity is sourced from the grid and that electricity has been counted in calculating the grid average emissions factor, Scope 2 emissions must be calculated using the grid average emissions factor, even if your company purchases electricity under a zero or low carbon electricity tariff.

Electricity that is NOT counted in calculating the grid average emissions factor:

Where zero or low carbon electricity is sourced from the grid or otherwise transmitted to the company and that electricity is not counted in calculating the grid average, the emissions factor specific to that method of generation can be used, provided that any certificates quantifying GHG-related environmental benefits claimed for the electricity are not sold or passed on separately from the electricity purchased.

[Click here](#) to see the instructions from the previous page on answering question 11.

Please answer the following questions using Table 5.

Please provide:

11.1. Total gross global Scope 2 GHG emissions in metric tonnes of CO<sub>2</sub>-e.

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

11.2. Country or region

Please provide CDP with responses to questions 11.1 and 11.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last. Table 5 will be automatically populated with the dates that you gave in answer to 7.1.

Table 5 - Please use whole numbers only. Use the "Other" option in the drop down menu to enter the name of a region.

Reporting year Q7.1 Start date	01/10/2007	01/10/2006	01/10/2005
Reporting year Q7.1 End date	30/09/2008	30/09/2007	30/09/2006
11.1 Total gross global Scope 2 GHG emissions in metric tonnes CO <sub>2</sub> -e	256000	212000	208000
11.2 Gross Scope 2 emissions in metric tonnes CO <sub>2</sub> -e by country or region			
Australia	220000	212000	208000
Rest of World	36000	212000	208000

Your answer to 11.1 will be automatically carried forward to tables 6 and 7 below if you add a country or region in answer to 11.2 or press "Save" at the end of the page.

Where it will facilitate a better understanding of your business, please also break down your total global Scope 2 emissions by:

11.3. Business division

and/or

11.4. Facility

11.3. Business division (only data for the current reporting year requested)

Table 6 - Please use whole numbers only.

Business Divisions - Enter names below	Scope 2 Metric tonnes CO <sub>2</sub> -e
Total gross global Scope 2 GHG emissions in metric tonnes CO <sub>2</sub> -e - answer to question Q11.1	256000

11.4. Facility (only data for the current reporting year requested)

Table 7 - Please use whole numbers only.

Facilities - Enter names below	Scope 2 Metric tonnes CO <sub>2</sub> -e
Total gross global Scope 2 GHG emissions in metric tonnes CO <sub>2</sub> -e - answer to question Q11.1	256000

11.5. If you have not provided any information about Scope 2 emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 2 GHG emissions information in future.

Further information

Note that our 'Rest of the World' emissions relate to our operations in North America (Canada, Mexico and the United States).

## 12. Contractual Arrangements Supporting Particular Types of Electricity Generation: (CDP6 Q2(b)(i)- Guidance)

12.1. If you consider that the grid average factor used to report Scope 2 emissions in question 11 does not reflect the contractual arrangements you have with electricity suppliers, (for example, because you purchase electricity using a zero or low carbon electricity tariff), you may calculate and report a contractual Scope 2 figure in response to this question, showing the origin of the alternative emission factor and information about the tariff.

12.2. If you retire any certificates (eg: Renewable Energy Certificates) associated with zero or low carbon electricity, please provide details.

Further information

N/A

## 13. Scope 3 Other Indirect GHG Emissions: (CDP6 Q2(c))

For each of the following categories, please:

- Describe the main sources of emissions,
- Report emissions in metric tonnes of CO<sub>2</sub>-e,
- state the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

Notes about question 13

When providing answers to question 13, please do not deduct offset credits, Renewable Energy Certificates etc, or net off any estimated avoided emissions from the export of renewable energy, carbon sequestration (including enhanced oil recovery) or from the use of goods and services. Opportunities to provide details of activities that reduce or avoid emissions are provided elsewhere in the information request.

Carbon dioxide emissions from biologically sequestered carbon e.g. carbon dioxide from burning biomass/biofuels should be reported separately from emissions Scopes 1, 2 and 3. If relevant, please report these emissions in question 15. However, please do include any nitrous oxide or methane emissions from biomass/biofuel combustion in your emissions under the three scopes.

### 13.1 Employee business travel

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

### 13.2. External distribution/logistics

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

### 13.3 Use/disposal of company's products and services

For auto manufacture and auto component companies – please refer to the additional questions for these sectors before completing question 13.3.

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

#### 13.4 Company supply chain

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

#### 13.5 Other

If you are reporting emissions that do not fall into the categories above, please categorise them into transferred emissions and non-transferred emissions (please see guidance for an explanation of these terms).

Please report transfers in the first three input fields and non-transfers in the last three input fields.

#### Transfers

Describe the main sources of emissions

#### Transfers

Report emissions in metric tonnes of CO<sub>2</sub>-e.

#### Transfers

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

#### Non-transfers

Describe the main sources of emissions

#### Non-transfers

Report emissions in metric tonnes of CO<sub>2</sub>-e.

#### Non-transfers

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

13.6 If you have not provided information about one or more of the categories of Scope 3 GHG emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 3 indirect emissions information in future.

[We do not currently measure Scope 3 GHG emissions.](#)

Further information

## 14. Emissions Avoided Through Use Of Goods And Services (New for CDP 2009)

14.1. If your goods and/or services enable GHG emissions to be avoided by a third party, please provide details including the estimated avoided emissions, the anticipated timescale over which the emissions are avoided and the methodology, assumptions, emission factors (including sources), and global warming potentials (including sources) used for your estimations.

[In particular, IPL produces two products that enable GHG emissions to be avoided or reduced by a third party.](#)

SCR (Selective Catalytic Reduction) Urea which is used as a catalyst in diesel motors (eg, diesel truck or bus) and sprayed into the exhaust system at the same time as the exhaust fumes are being exhausted from the engine. This converts and reduces nitrous oxide into harmless nitrogen and water which is then emitted from the vehicle exhaust.

Green Urea fertiliser contains urea treated with a urease inhibitor which helps delay hydrolysis of urea into nitrogen forms that may be lost to the atmosphere and reduces emissions related to fertiliser usage.

Further information

## 15. Carbon Dioxide Emissions from Biologically Sequestered Carbon: (New for CDP 2009)

An example would be carbon dioxide from burning biomass/biofuels.

15.1. Please provide the total global carbon dioxide emissions in metric tonnes CO<sub>2</sub> from biologically sequestered carbon.

Emissions in metric tonnes CO<sub>2</sub> - Please use whole numbers only

Further information

N/A

## 16. Emissions Intensity: (CDP6 Q3(b))

16.1. Please supply a financial emissions intensity measurement for the reporting year for your combined Scope 1 and 2 emissions.

Please describe the measurement.

Co2e per sales revenue

16.1.1. Give the units. For example, the units could be metric tonnes of CO<sub>2</sub>-e per million Yen of turnover, metric tonnes of CO<sub>2</sub>-e per US\$ of profit, metric tonnes of CO<sub>2</sub>-e per thousand Euros of turnover.

metric tonnes of CO2e per A\$ million sales

16.1.2. The resulting figure.

Use a decimal point if necessary. Please use a "." rather than a ",", i.e. please write 15.6 rather than 15,6

538

16.2. Please supply an activity related intensity measurement for the reporting year for your combined Scope 1 and 2 emissions.

Please describe the measurement.

Co2e per production output

16.2.1. Give the units e.g. metric tonnes of CO<sub>2</sub>-e per metric tonne of output or for service sector businesses per unit of service provided.

metric tonnes of CO2e per metric tonne of production

16.2.2. The resulting figure.

Use a decimal point if necessary. Please use a "." rather than a ",", i.e. please write 15.6 rather than 15,6

0.45

Further information

Prior year comparative figures

metric tonnes of CO2e per A\$ million sales: 2007: 849 2006: 700

metric tonnes of CO2e per A\$ million sales 2007: 0.36 2006: 0.43

17. Emissions History: (CDP6 Q2(f))

17.1. Do emissions for the reporting year vary significantly compared to previous years?

Yes

Total emissions vary significantly from the prior years due to expansion of operations.

On 1 August 2006 IPL acquired Southern Cross Fertilisers Limited which manufactures ammonium phosphate in Queensland, Australia and then in June 2008 Dyno Nobel Limited was acquired which has extensive ammonium nitrate and initiation systems manufacturing facilities across North America.

If the answer to 17.1 is Yes:

17.1.1. Estimate the percentage by which emissions vary compared with the previous reporting year.

This box will accept numerical answers containing a decimal point. Please use "." not "," i.e. write 10.6, not 10,6.

Have the emissions increased or decreased?

Increased

Further information

18. External Verification/Assurance: (CDP6 Q2(d))

18.1. Has any of the information reported in response to questions 10 – 15 been externally verified/assured in whole or in part?

No information has been provided in response to questions 10-15. Please go to question 19.

It would aid automated analysis of responses if you could select responses from the tick boxes below. However, please use the text box provided if the tick boxes menu options are not appropriate.

18.2. State the scope/boundary of emissions included within the verification/assurance exercise.

Please use the text box below to describe the scope/boundary of emissions included within the verification/assurance exercise if the tick box menu options above are not applicable.

18.3. State what level of assurance (eg: reasonable or limited) has been given.

18.4. Provide a copy of the verification/assurance statement.

Please attach a copy/copies.

18.5. Specify the standard against which the information has been verified/assured.

18.6. If none of the information provided in response to questions 10-15 has been verified in whole or in part, please state whether you have plans for GHG emissions accounting information to be externally verified/assured in future.

No external verification/assurance has been undertaken and we have no current plans to instigate an external assurance process.

Further information

19. Data Accuracy: (CDP6 Q2(e) – New wording for CDP 2009)

19.1. What are the main sources of uncertainty in your data gathering, handling and calculations e.g.: data gaps, assumptions, extrapolation, metering/measurement

inaccuracies etc?

If you do not gather emissions data, please select emissions data is NOT gathered and proceed to question 20.

[Emission data is gathered.](#)

All data systems contain an element of uncertainty. While we have not estimated our accuracy through the calculation of a standard deviation or percentage error we are confident, based on a long corporate history of reviewing energy consumption data for efficiency purposes, that underlying energy data is reliable and accurate.

19.2. How do these uncertainties affect the accuracy of the reported data in percentage terms or an estimated standard deviation?

[refer 19.1](#)

19.3. Does your company report GHG emissions under any mandatory or voluntary scheme (other than CDP) that requires an accuracy assessment?

[Yes \(Please answer the following questions - 19.3.1, 19.3.2\).](#)

19.3.1 Please provide the name of the scheme.

[Other](#)

IPL reports regional emissions each year to the National Pollutants Inventory in Australia, the Toxic Release Inventory in the USA and the National Pollutant Release Inventory in Canada. Information is also provided to the Fertilizer Industry Federation of Australia, the International Fertilizer Association and the Canadian Fertilizer Institute.

19.3.2. Please provide the accuracy assessment for GHG emissions reported under that scheme for the last report delivered.

Further information

## 20. Energy and Fuel Requirements and Costs: (New for CDP 2009)

Please provide the following information for the reporting year:

Cost of purchased energy

20.1. The total cost of electricity, heat, steam and cooling purchased by your company.

Select currency

20.1.1. Please break down the costs by individual energy type.

Table 8 - The "Cost" column will not accept text. Please use whole numbers only.

Energy type	Cost	Currency
Electricity		
Heat		
Steam		
Cooling		

Cost of purchased fuel

20.2. The total cost of fuel purchased by your company for mobile and stationary combustion.

Select currency

20.2.1. Please breakdown the costs by individual fuel type.

Table 9 - The cost column will not accept text. Please use whole numbers only.

Mobile combustion fuels	Cost	Currency
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Stationary combustion fuels	Cost	Currency
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Energy and fuel inputs

The following questions are designed to establish your company's requirements for energy and fuel (inputs). Please note that MWh is our preferred unit for answers as this helps with comparability and analysis. Although it is usually associated with electricity, it can equally be used to represent the energy content of fuels (see CDP 2009 Reporting Guidance for further information on conversions to MWh).

Purchased energy input

20.3 Your company's total consumption of purchased energy in MWh.

Please use whole numbers only.

Purchased and self produced fuel input

20.4. Your company's total consumption in MWh of fuels for stationary combustion only. This includes purchased fuels, as well as biomass and self-produced fuels where relevant.

Please use whole numbers only.

In answering this question and the one below, you will have used either Higher Heating Values (also known as Gross Calorific Values) or Lower Heating Values (also known as Net Calorific Values). Please state which you have used in calculating your answers.

20.4.1. Please break down the total consumption of fuels reported in answer to question 20.4 by individual fuel type in MWh.

Table 10 - Please use whole numbers only

Stationary combustion fuels	MWh
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Energy output

In this question we ask for information about the energy in MWh generated by your company from the fuel that it uses. Comparing the energy contained in the fuel before combustion (question 20.4) with the energy available for use after combustion will give an indication of the efficiency of your combustion processes, taking your industry sector into account.

20.5. What is the total amount of energy generated in MWh from the fuels reported in question 20.4?

Please use whole numbers only.

20.6. What is the total amount in MWh of renewable energy, excluding biomass, that is self-generated by your company?

Please use whole numbers only.

Energy exports

This question is for companies that export energy that is surplus to their requirements. For example, a company may use electricity from a combined heat and power plant but export the heat to another organisation.

20.7. What percentage of the energy reported in response to question 20.5 is exported/sold by your company to the grid or to third parties?

Please use whole numbers only.

20.8. What percentage of the renewable energy reported in response to question 20.6 is exported/sold by your company to the grid or to third parties?

Please use whole numbers only.

Further information

## 21. EU Emissions Trading Scheme: (CDP6 Q2(g)(i) – New wording for CDP 2009)

Electric utilities should report allowances and emissions using the table in question EU5.

21.1. Does your company operate or have ownership of facilities covered by the EU Emissions Trading Scheme (EU ETS)?

[No \(Please go to question 22.\)](#)

Please give details of:

21.2. The allowances allocated for free for each year of Phase II for facilities which you operate or own. (Even if you do not wholly own facilities, please give the full number of allowances).

Table 11 - Please use whole numbers only.

	2008	2009	2010	2011	2012
<b>Free allowances metric tonnes CO2</b>					

21.3. The total allowances purchased through national auctioning processes for the period 1 January 2008 to 31 December 2008 for facilities that you operate or own. (Even if you do not wholly own facilities, please give the total allowances purchased through auctions by the facilities for this period).

Total allowances purchased through auction

21.4. The total CO<sub>2</sub> emissions for 1 January 2008 to 31 December 2008 for facilities which you operate or own. (Even if you do not wholly own facilities, please give the total emissions for this period.)

Total emissions in metric tonnes

Further information

## 22. Emissions Trading: (CDP6 Q2(g)(ii) - New wording for CDP 2009)

Electric utilities should read EU6 before answering these questions.

22.1. Please provide details of any emissions trading schemes, other than the EU ETS, in which your company already participates or is likely to participate within the next two years.

[We participate or anticipate participating in trading schemes other than the EU ETS in the next two years.](#)

[In Australia IPL will be required to participate in the proposed Carbon Pollution Reduction Scheme which is currently expected to apply from July 2011.](#)

22.2. What is your overall strategy for complying with any schemes in which you are required or have elected to participate, including the EU ETS?

[Our preparation strategy for the proposed scheme has been to evaluate the potential impacts of the scheme, to implement a robust emission reporting system to enable accurate, timely information to be reported and to investigate the future options to meet any emission-related permit exposure from the scheme \(currently assessed as minor\).](#)

Further information

## 22. Carbon credits

22.3. Have you purchased any project-based carbon credits?

[No. \(Please go to question 22.5\)](#)

Please indicate whether the credits are to meet one or more of the following commitments:

Please also:

22.4 Provide details including the type of unit, volume and vintage purchased and the standard/scheme against which the credits have been verified, issued and retired (where applicable).

22.5. Have you been involved in the origination of project-based carbon credits?

22.6. Please provide details including:

- Your role in the project(s),
- The locations and technologies involved,
- The standard/scheme under which the projects are being/have been developed,
- Whether emissions reductions have been validated or verified,
- The annual volumes of generated/projected carbon credits,
- Retirement method if used for own compliance or offsetting.

22.7. Are you involved in the trading of allowances under the EU ETS and/or project-based carbon credits as a separate business activity, or in direct support of a business activity such as investment fund management or the provision of offsetting services?

22.8. Please provide details of the role performed.

Further information

## Performance

23. Reduction plans & goals: (CDP6 Q3(a))

23.1. Does your company have a GHG emissions and/or energy reduction plan in place?

Yes. [\(Please go to question 23.3\)](#)

23.2. Please explain why.

It would aid automated analysis of responses if you could select a response from the options below as well as using the text box. However, please just use the text box provided if the options are not appropriate.

If the menu options above are not appropriate, please answer the question using the text box below:

Goal setting

23.3. Do you have an emissions and/or energy reduction target(s)?

No. [\(Please go to question 23.8\)](#)

23.4 What is the baseline year for the target(s)?

23.5. What is the emissions and/or energy reduction target(s)?

23.6. What are the sources or activities to which the target(s) applies?

23.7. Over what period/timescale does the target(s) extend?

Further information

## 23. GHG emissions and energy reduction activities

23.8. What activities are you undertaking or planning to undertake to reduce your emissions/energy use?

All of IPL's plants have a strategy of minimising energy consumption, consistent with best practice operations. We have not set quantitative reduction targets against a base year but consider energy efficiency projects in light of capital investment required and projected annual energy savings. In particular IPL has participated in Government run energy efficiency programs in Australia (Gibson Island, Geelong and Phosphate Hill) and the United States (Donora, Battle Mountain and Cheyenne).

Further information

## 23. Goal evaluation

23.9. What benchmarks or key performance indicators do you use to assess progress against the emissions/energy reduction goals you have set?

Further information

## 23. Goal achievement

23.10. What emissions reductions, energy savings and associated cost savings have been achieved to date as a result of the plan and/or the activities described above? Please state the methodology and data sources you have used for calculating these reductions and savings.

23.11. What investment has been required to achieve the emissions reductions and energy savings targets or to carry out the activities listed in response to question 23.8 and over what period was that investment made?

Table 13 - The "Investment number" column will not accept text. Please use whole numbers only.

Emission reduction target/energy saving target or activity	Investment number	Investment currency	Timescale
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Further information

## 23. Goal planning & investment

Electric utilities should read the table in question EU3 for giving details of forecasted emissions.

23.12. What investment will be required to achieve the future targets set out in your reduction plan or to carry out the activities listed in response to question 23.8 above and over what period do you expect payback of that investment?

Table 14 - The "Number" column will not accept text. Please use whole numbers only.

Plan or action	Investment number	Investment currency	Payback
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23.13. Please estimate your company's future Scope 1 and Scope 2 emissions for the next five years for each of the main territories or regions in which you operate or provide a qualitative explanation for expected changes that could impact future GHG emissions.

If possible, please use table 15 below to structure your answer to the question or alternatively use the text box below.

Scope 1 forecasted emissions in Table 15 below are in the following units.

Scope 2 forecasted emissions in Table 15 below are in the following units.

Table 15 - The "Scope" columns will not accept text. Please use whole numbers only.

Type in the name of the territory or region for which you are giving data and then press "Add Territory/Region". If giving a global figure instead of separate figures for regions or territories, please write "global" in the box labelled "Enter name of territory or region".

[Click here to see a sample table.](#)

<b>Future reporting years:</b>										
<b>End date for year end DD/MM/YYYY</b>										
<b>Emission forecasts</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 1</b>	<b>Scope 2</b>

23.14. Please estimate your company's future energy use for the next five years for each of the main territories or regions in which you operate or provide a qualitative explanation for expected changes that could impact future GHG emissions.

If possible, please use table 16 below to structure your answer to the question or alternatively use the text box below.

Table 16 - Please use whole numbers only.

Type in the name of the territory or region for which you are giving data and a description of the data you are giving e.g. electricity consumption. Then press "Add Row". If giving a global figure instead of separate figures for regions or territories, please use the word "global". This table will also accept different types of units e.g. units of volume or mass.

[Click here to see a sample table.](#)

<b>Future reporting years:</b>										
<b>End date for year end DD/MM/YYYY</b>										
<b>Energy use estimates for territory/region</b>	<b>Number</b>	<b>Units</b>	<b>Number</b>	<b>Units</b>	<b>Number</b>	<b>Units</b>	<b>Number</b>	<b>Units</b>	<b>Number</b>	<b>Units</b>

23.15. Please explain the methodology used for your estimations and any assumptions made.

Further information

24. Planning: (CDP6 Q3(c))

24.1. How do you factor the cost of future emissions into capital expenditures and what impact have those estimated costs had on your investment decisions?

[Estimated future emission costs are assessed as part of capital expenditure proposals on a case by case basis.](#)

Further information

Governance

25. Responsibility: (CDP6 Q4(a))

25.1. Does a Board Committee or other executive body have overall responsibility for climate change?

25.2 Please state how overall responsibility for climate change is managed and indicate the highest level within your company with responsibility for climate change.

[The Board has overall responsibility for climate change management and reviews reports of regarding climate change risk and opportunities periodically.](#)

25.3. Which Board Committee or executive body has overall responsibility for climate change?

25.4. What is the mechanism by which the Board or other executive body reviews the company's progress and status regarding climate change?

Further information

26. Individual Performance: (CDP6 Q4(b))

26.1. Do you provide incentives for individual management of climate change issues including attainment of GHG targets?

[Yes. \(Please go to question 26.2\)](#)

26.2. Are those incentives linked to monetary rewards?

26.3. Who is entitled to benefit from those incentives?

Further information

Individual performance of IPL people include climate change management incentives where the role specifically relates to climate change or energy efficiency.

27. Communications: (CDP6 Q4(c))

27.1. Do you publish information about the risks and opportunities presented to your company by climate change, details of your emissions and plans to reduce emissions?

Yes such information is contained in our 2008 Sustainability Report available on our website.

[http://www.incitecpivot.com.au/zone\\_files/PDFs/ipl\\_sustainability\\_report\\_2008.pdf](http://www.incitecpivot.com.au/zone_files/PDFs/ipl_sustainability_report_2008.pdf)

If so, please indicate which of the following apply and provide details and/or a link to the documents or a copy of the relevant excerpt:

27.2. The company's Annual Report or other mainstream filings.

Yes

27.3. Voluntary communications (other than to CDP) such as Corporate Social Responsibility reporting.

Yes

[http://www.incitecpivot.com.au/zone\\_files/PDFs/ipl\\_sustainability\\_report\\_2008.pdf](http://www.incitecpivot.com.au/zone_files/PDFs/ipl_sustainability_report_2008.pdf)

Further information

28. Public Policy: (CDP6 Q4(d))

28.1. Do you engage with policymakers on possible responses to climate change including taxation, regulation and carbon trading?

Yes

IPL engages with policymakers in Australia, Canada and the United States through its membership of various industry associations and in Australia we are currently engaged with the Department of Climate Change in relation to the proposed CPRS.

Further information