



Australian Government
Department of Climate Change



The National Greenhouse and Energy Reporting System (NGERS)

Information Sessions July 2008

Greenhouse and Energy Reporting Taskforce
Department of Climate Change



Presentation Overview

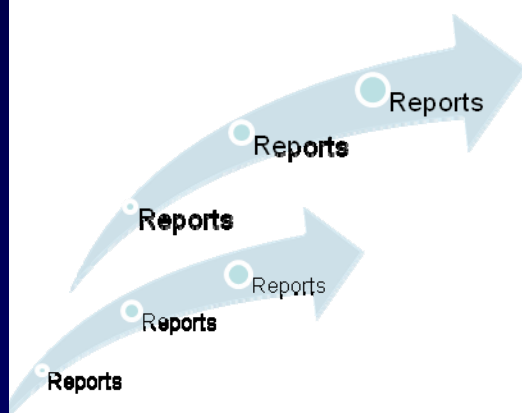
- Background
- Overview of National Greenhouse and Energy Reporting Legislation
- Tools for reporters
- Next Steps
 - Registering
 - Streamlining Reporting





Background

Increasing
reporting
burden



Council of
Australian
Governments
2006/07



National Greenhouse
& Energy Reporting
legislation
2007/08





The National Greenhouse and Energy Reporting Act 2007

- provides for a reporting system that will ensure:
 - **robust and transparent** emissions and energy reporting for an Australian emissions trading scheme
 - A **streamlined national reporting point** for greenhouse gas emissions and energy data to assist Commonwealth, State and Territory government programs and activities
 - Consistent information provided to the **Australian public**
 - Australia's **international reporting obligations** are met





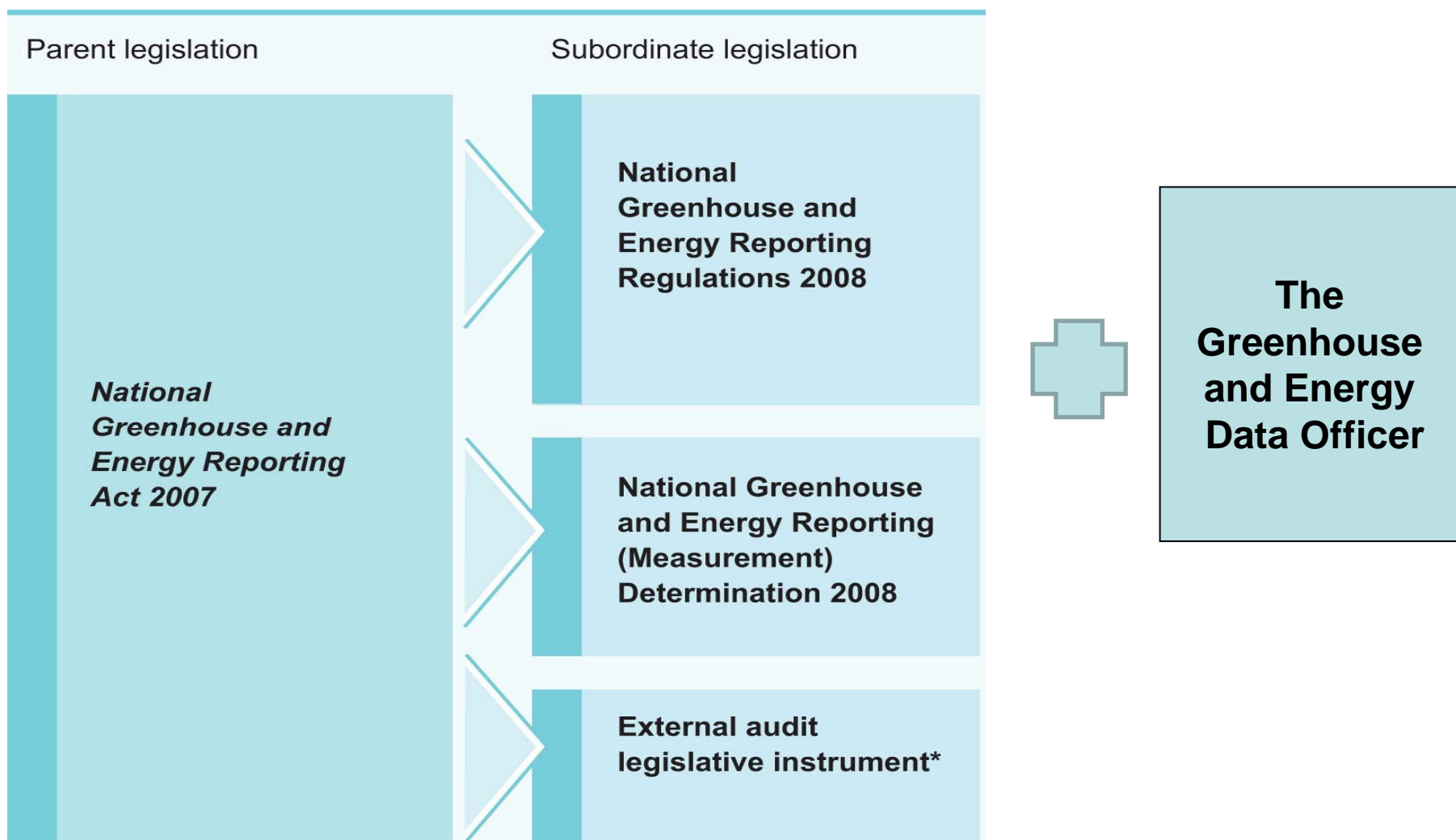
Coverage

- By the 2010-11 reporting period the legislation is expected to cover around **700 medium and large corporations**.
- The reporting system will improve data coverage to over **70% of greenhouse gas emissions** in the covered sectors.
- Non energy greenhouse gas emissions from agriculture, land use, land use change and forestry activities will not be included until methodologies for reporting at the facility and corporation level are sufficiently developed.





Legislative Framework





What is required by the legislation?

- Corporations that *may* meet or exceed thresholds should be collecting greenhouse gas emissions and energy data
- Corporations *likely* to meet thresholds next financial year should be considering setting up GHG and energy accounting and reporting systems





Key issues to consider

- Constitutional corporations
- Controlling corporations and corporate group
- Operational control
- Facility
- Thresholds – corporate and facility





Who registers and reports?

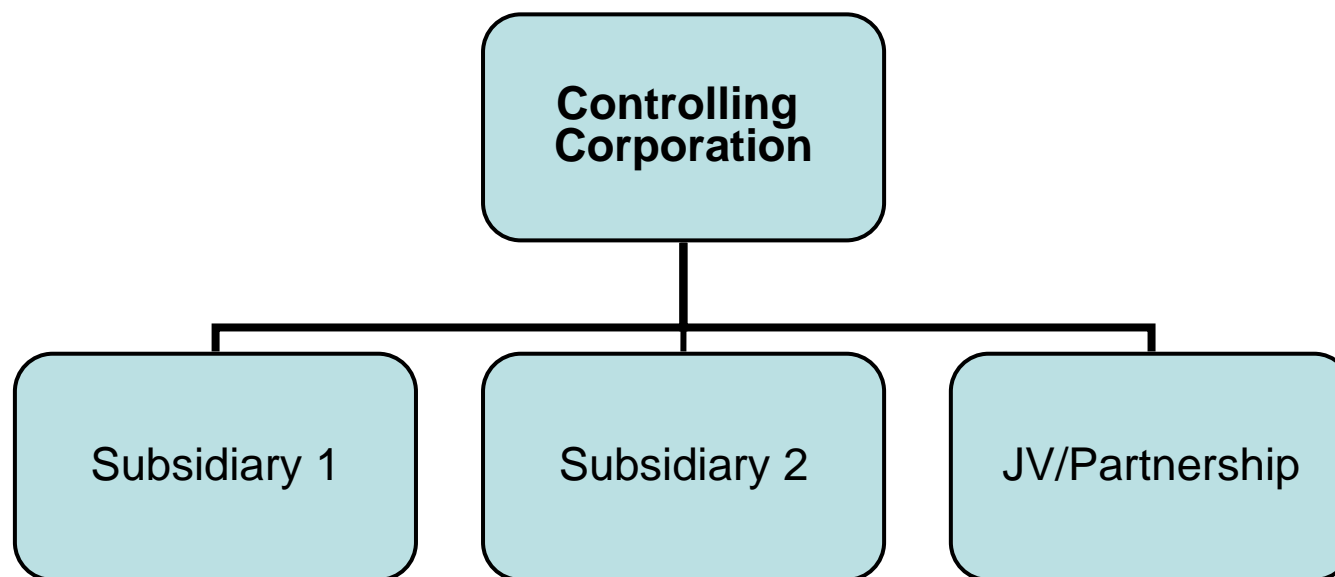
- Constitutional Corporations
 - A corporation under section 51 (xx) of the Constitution
 - If an organisation is unsure of their status they should seek legal advice





Who registers and reports?

- **Controlling Corporation** is a corporation which does not have a holding company incorporated in Australia.
- The corporate group includes:





Who registers and reports? Operational control

- A corporation is considered to have operational control over a facility if it has the authority to **introduce** and **implement**:
 - i) operating;
 - ii) health and safety; and
 - iii) environmental policies.





Who registers and reports?

Facilities

- A facility is an activity, or a series of activities (including ancillary activities) ... that form a single undertaking or enterprise and meet the requirement of the regulations...
- Regulations specify that a single undertaking or enterprise consists of:
 - Activities that together produce 1 or more products or services; and
 - occur at a **single site**
- The GEDO can also declare a facility





Who registers and reports?

- Specific circumstances:
 - **Networks** (electricity, gas, water, sewerage and telecommunications) can cross large distances but may be reported as a single facility.
 - **Transport (principal activity)**: are non stationary in nature and therefore difficult to attribute to a single site. Regulations allow for reporting at a state or territory level.
 - Network and transport sectors exempt from single site criteria are listed in the Regulations



Facility
thresholds

25kt
100 TJ

NGER Act thresholds

Corporate
group
thresholds

125kt
500 TJ

87.5 kt
350 TJ

50 kt
200 TJ

FIRST REPORTING YEAR
2008–09

SECOND REPORTING YEAR
2009–10

THIRD REPORTING YEAR
2010–11

FOURTH
2011–12

Corporations
to apply for
registration by

31 August 2009

31 August 2010

31 August 2011

31 Aug 2012

Corporations
to provide
data report by

31 October 2009

31 October 2010

31 October 2011

31 Oct 2012

Government
to publish
data by

28 February 2010

28 February 2011

28 February 2012

28 Feb 2013

Notes: TJ = terajoule (10^{12} joules) of energy consumed or produced; kt = kilotonne (10^6 kilograms) CO₂-e equivalent of greenhouse gases emitted. Conversion factors: Energy—1 terajoule = 1000 gigajoules, 1 gigajoule = 1000 megajoules, 1 megajoule = 1000 kilojoules, 1 kilojoule = 1000 joules; CO₂-e emissions—1 kilotonne = 1000 tonnes, 1 tonne = 1000 kilograms.

KYOTO GREENHOUSE GASES

CO₂

SF₆

CH₄

N₂O

HFCs

PFCs

Greenhouse Gas Emissions

Scope 2*

The release of greenhouse gas as a result of one or more activities that generate electricity, heating, cooling or steam that is consumed by the facility but that *do not* form part of the facility.



Mandatory to report under NGERS

Scope 1*

The release of greenhouse gas into the atmosphere as a direct result of an activity, or series of activities (including ancillary activities) that constitute the facility.



Scope 3

Emissions that occur outside the boundary of a facility as a result of activities at a facility and are not scope 2 emissions.



Not mandatory to report under NGERS

* The definitions of scope 1 and scope 2 emissions are summarised from r. 2.23.



Energy Reporting

- **Energy reporting covers:**

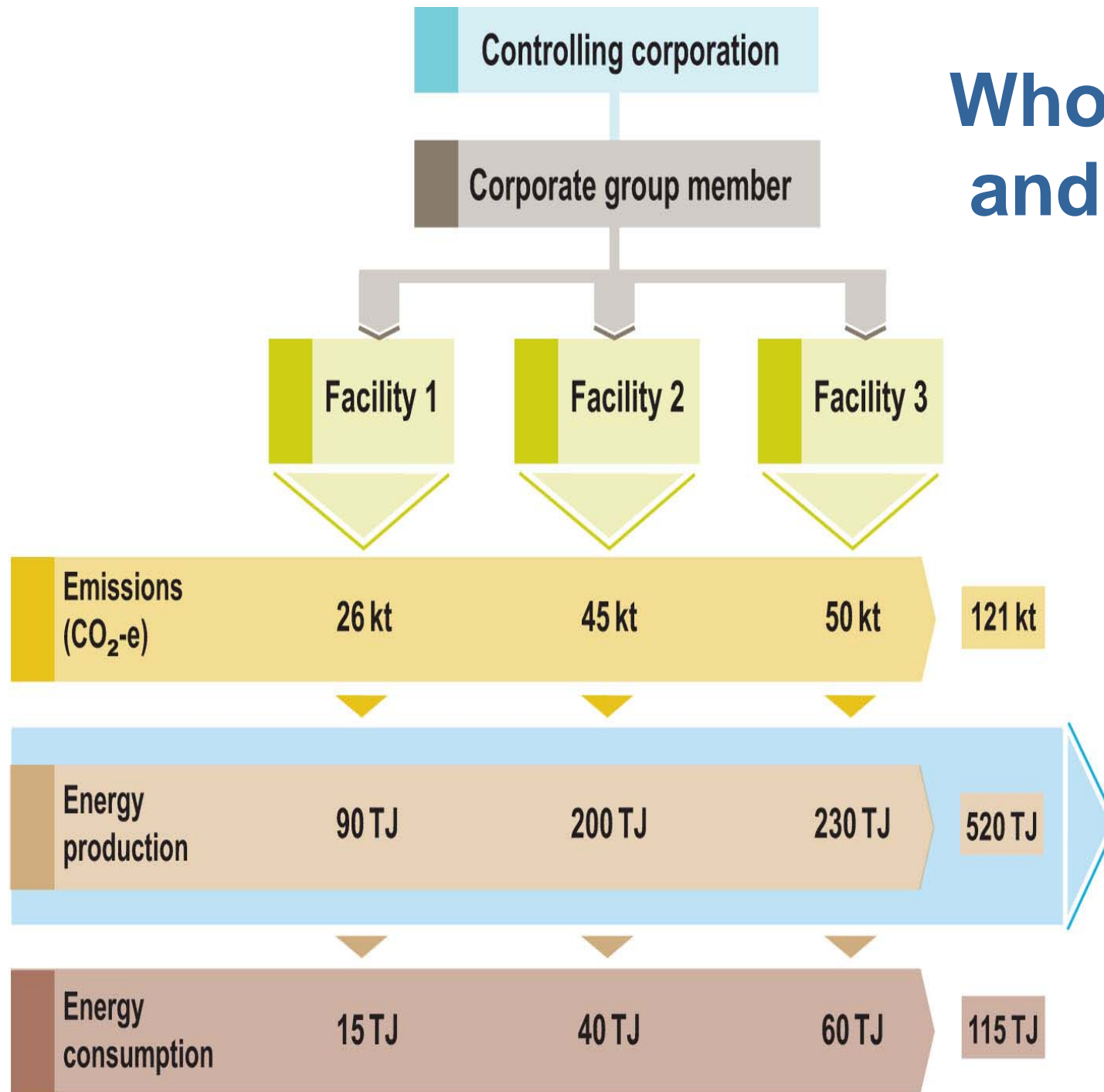
Production of energy

= mandatory to report

Consumption of energy



Who registers and reports?



The corporate threshold has been met and the controlling corporation is required to apply for registration and report emissions, energy production and energy consumption from facilities under its operational control.



Reporting Obligations

- Data needs to be reported to the GEDO from facilities covering:
 - Greenhouse gas emissions – activity data converted to emissions using default emissions factors or other estimation techniques (as outlined in the Measurement Determination)
 - Energy Consumption – amount consumed multiplied by an energy content factor
 - Energy Production – amount produced multiplied by an energy content factor



The Online Reporting Tool

Menu

Entity Reports

Australian Government
Department of Climate Change

Standard reports

Contact list

Entity list

Questionnaire Response

Analysis reports

Abatement

Emissions Data

Energy

Member Statistics

Member reporting statistics

My reports *

Custom report builder

Key

* Report data is updated every 15 minutes

Click to edit report/group

Australian Government
Department of the Environment and Heritage
Australia Emissions Office

National Products

Current reporting period: **1/07/1998 to 30/06/1999**

Current period due date: **31/12/1999**

Selected reporting period: **1/07/1998 to 30/06/1999**

Region: **National**

Primary contact: **Jo User**

Industry advisor:

Report data last refreshed at 27/01/2006 12:16 PM

Search

Advanced search

<< Hide Menu

Dimensions

Measures

Agreement type

ANZSIC

Category

Data type

Display years

Entity status

Entity type

Financial year

Fuel

Fuel group

Fuel Type

Drag dimensions to define Columns and Rows

Data Source: **Activity and emission data**

Select Cube: **Activity and emission data**

[dimension]

Children

Columns

[dimension] Children

[dimension] Children

[dimension] Children

https://www.challenge.edgar.gov.au - EmissionSummaryYearByYear - Microsoft Internet Explorer

of 1

100%

Find | Next

Select a format

Export

Include sub entities data: Yes

Nett Emissions

Financial Year	Scope 1	Scope 2	Scope 3	Total
FY1997-1998	450,000	700,000	150,000	1,300,000
FY1998-1999	450,000	600,000	150,000	1,200,000
FY1999-2000	50,000	350,000	50,000	450,000
FY2000-2001	50,000	350,000	50,000	450,000
FY2001-2002	50,000	400,000	50,000	500,000

Activity Data | Offset/Abatement | Business Measure | Public Statement | Questionnaire | KPI

Sector

Activity data fuel type

Quantity

Cost

Base unit

Scope 1 emissions tonnes CO₂-e

Scope 2 emissions tonnes CO₂-e

Scope 3 emissions tonnes CO₂-e

Emissions

Show/Hide Sector

Transport energy

Wood (Fuel)

All

Bill entry

786 tonnes

\$

12,733 GJ

17.83

Special Antarctic blend

All

Bill entry

1,241 tonnes

\$

57,407 GJ

4,018

Renewable energy

Solar-photovoltaic

Bill entry

5,425 kWh

\$

19.53 GJ

Gross Emissions

\$ 0.00

\$15,109 GJ

29,763

0.00

6,964



Public disclosure

- GEDO will publish on a website:
 - greenhouse gas emissions (**scope 1 & 2 disaggregated**);
 - energy consumption; and
 - energy production totals;
- for a **controlling corporation** and the **members of the controlling corporation's group** or **business units under the controlling corporation**.
- Focus group being formed to discuss public disclosure





Compliance

- Range of approaches to ensure confidence in reported data
 - Capacity building and cooperation
 - Enforceable undertakings and infringement notices
 - Civil penalties – e.g. For not registering, not reporting, not keeping records etc.
 - CEO liability
 - Offence under Crimes Act to provide false information
 - External audit provisions

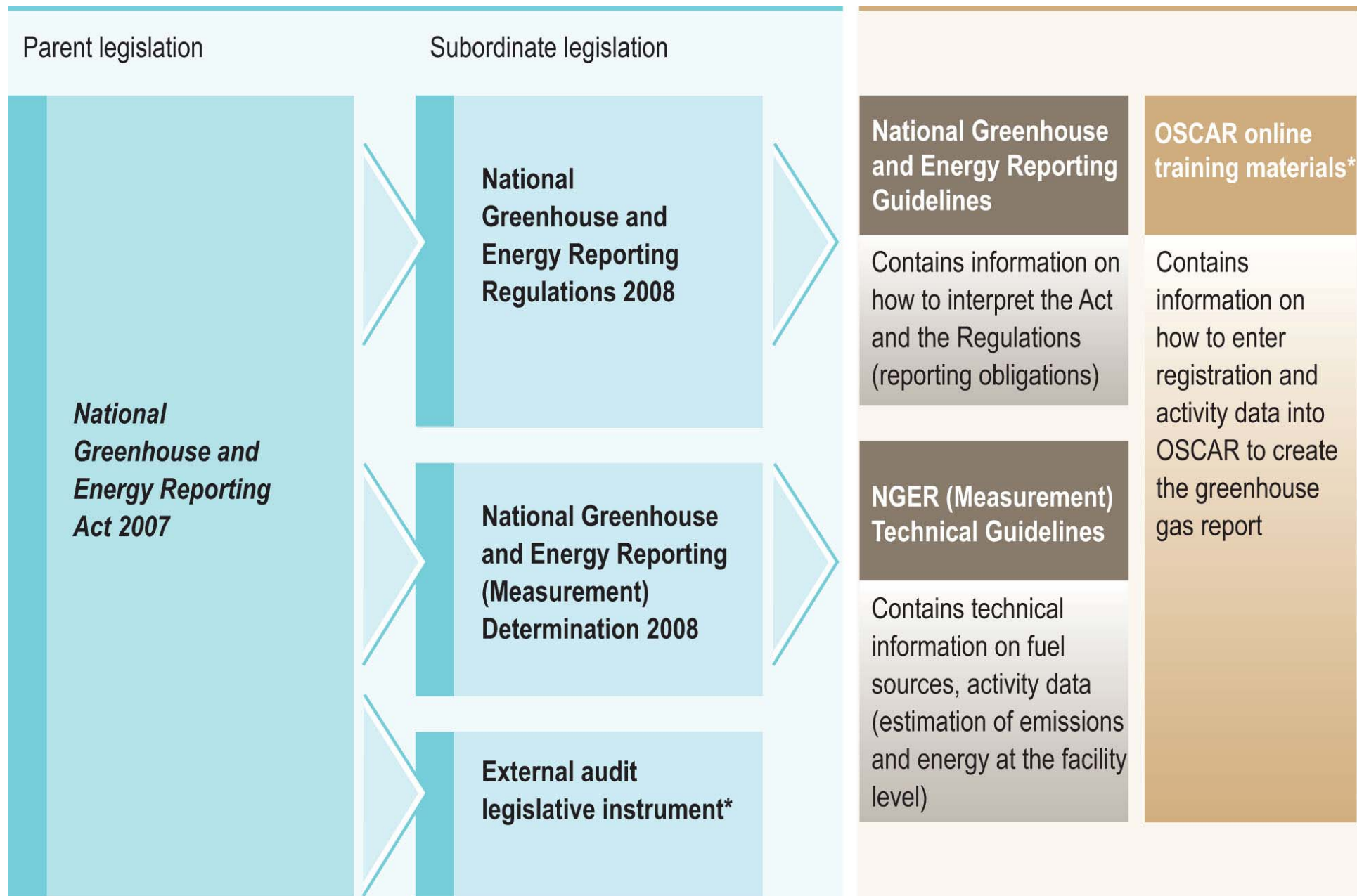




Compliance - External Audit

- Key compliance testing measure
 - Corporations can be instructed to undertake audits by the GEDO on suspicion of non-compliance.
 - Alternatively the GEDO can choose to undertake random audits at his own discretion
- Subordinate legislation needed for the measure to be applied
 - Further consultation during 2nd half 2008





Support materials



Online Calculator

- Assessing whether a corporation is likely to meet thresholds under the Act

If you are assessing an individual facility please identify the state in which it is located. If you are assessing multiple facilities please select the state in which the majority of your facilities are located.

State/Territory: *

Fuel/process	Quantity	Unit
Electricity		Select
Automotive diesel		Select
Automotive gasoline (petrol)		Select
Aviation gasoline (AVGAS)		Select
Aviation turbine fuel		Select
Biodiesel		Select
Fuel oil		Select
Ethanol		Select
Kerosene		Select
LPG		Select
Other petroleum products nec (including waste oils)		Select
Ethane		Select
Natural Gas - coal mine waste gas		Select
Natural Gas - non-transport		Select
Natural gas - Transport (heavy vehicles)		Select
Landfill gas and biogas		Select
Bagasse (Other primary solid biomass)		Select
Black Coal - Uses other than for electricity and coking		Select
Brown coal		Select
Brown coal briquettes		Select
Coking Coal (metallurgical)		Select
Coke oven coke		Select
Industrial Waste (Tyres)		Select
Municipal materials recycled for energy (biomass) - Non-transport		Select
Municipal materials recycled for energy (non-biomass) - Non-transport		Select
Other Primary Solid Biomass (Other than Bagasse)		Select
Wood/Wood Waste - Non-Residential uses		Select

NGERS Calculator

Step 4 of 4 - Assessment Outcome

Help

1. Introduction 2. Data Entry 3. Summary 4. Assessment

Assessment

An estimate based on the information you have submitted today is presented below against the NGERS thresholds. The information presented assumes the level of greenhouse gas emissions and energy consumption will remain constant for all NGERS reporting periods.

If the information below indicates your corporation's greenhouse gas emissions or energy consumption meets, or is approaching any of the reporting thresholds, the Department of Climate Change recommends your corporation apply to register.

Your estimate may also indicate that your corporation may not meet the first year reporting thresholds, but may meet the lower thresholds for the 2009-10, 2010-11 reporting years and beyond. Corporations will need to submit applications to register under NGERS by 31 August following the year in which the threshold is met. Corporations are encouraged to apply to register as early as possible, as once registered they will obtain access to training and support from the Department of Climate Change.

For information on applying for registration under the NGERS please see the Department of Climate Change website at: www.climatechange.gov.au/reporting/.

An Adobe PDF of this assessment outcome can be saved by clicking on the 'save' button below. If you would like to delete all data entered and start again, please click 'start over'.

Fields marked with an asterisk * are mandatory fields

Reporting Assessment for: *

State/Territory: NSW

Year	Data	Threshold	Assessment
Greenhouse Gas Emissions			
2008 - onwards	21.55	25.00 kt CO ₂ -e	Approaching the threshold: Registration recommended
Energy Consumption			
2008 - onwards	308.80	100.00 TJ	Threshold met or exceeded: Registration recommended

DISCLAIMER:

The National Greenhouse and Energy Reporting System Calculator (the application) is provided for your information only. Use of the application should not be construed as determinative of whether the legislative requirements of the National Greenhouse and Energy Reporting Act 2008 are met. Users should not use the application as a substitute for obtaining independent legal advice and undertaking independent investigation to ascertain whether thresholds are met.

As custodian of the application the Department cannot warrant its accuracy, currency or completeness. Except as required by law, the custodian will not be liable for any loss, damage, expense or cost incurred by any person or organisation arising out of use of the information contained in this application. In no event will the custodian be liable for any incidental or consequential loss or damage resulting from use of the information.



What next?

- If a corporation is likely to meet any of the thresholds then it should apply to register.
- For the 2008-2009 period corporations need to apply to register by **31 August 2009** and report by **31 October 2009**.
- An online registration tool is available on the website.





Next steps - streamlining

- NGER Act is the first step in bringing together a nationally consistent reporting system
- Experts Group under COAG looking at streamlining reporting
- Commonwealth, state and territory program managers working to ensure that reporting approaches are nationally consistent.





Next Steps - NGERS

- Further OSCAR development
- External Audit consultations
- Regulations for external auditors and mandatory external audit guidelines
- Public disclosure focus group
- Case studies





Further information

- Visit the website
www.climatechange.gov.au/reporting
- Contact the Greenhouse and Energy Data Officer:
 - Email: reporting@climatechange.gov.au
 - Toll free hotline: 1800 018 831





Australian Government
Department of Climate Change



Questions?