

05:

Stakeholder Engagement



The Gorgon Joint Venturers are committed to open and accountable processes that encourage stakeholder engagement throughout all stages of the Development. The Joint Venturers have established an extensive and ongoing stakeholder engagement program that builds on the pro-active approach to consultation that commenced in early 2002 during the ESE Review process. Stakeholders consulted include a broad range and diverse cross-section of government, industry and community representatives.

Active participation in the carefully designed and implemented stakeholder engagement program has provided opportunities for stakeholders to obtain both technical and environmental information on potential issues and to express their views directly to the Development Team. Input from these stakeholders has provided the Joint Venturers with valuable feedback and contributes to guiding the assessment and management of the proposed Development. This input will continue to be sought throughout the ensuing phases of the Development.

In this chapter, the stakeholders are identified, the primary issues they have raised are grouped and the management and mitigation measures that address these concerns are outlined.



5.1 Introduction

In 2002, as part of the ESE Review process, the Joint Venturers embarked on an extensive program of community consultation with a broad range of government, industry and community stakeholders to discuss the proposed Development on Barrow Island. This level of stakeholder involvement has continued and is a vital part of the EIS/ERMP process.

The Gorgon Development is unique in that prior to starting the formal environmental approvals process in late 2003, it had already undergone intensive community scrutiny and involvement through the ESE Review process, which included two periods of public comment (Chapter 2). As a result, the community, governments and the Venturers have a solid understanding of the major issues surrounding the proposal. However, this level of community involvement does not mean that all stakeholders support development on Barrow Island. As the Western Australian Department of Environment (DoE) points out in its publication Interim Industry Guide to Community Involvement (DoE 2003):

...it should be recognised that community involvement does not necessarily produce solutions that are acceptable to all parties or resolve all differences of opinion. Successful community involvement relies on the quality and appropriateness of the engagement processes used. Ideally these should provide for a sound, fair and transparent process that the community can be satisfied with, regardless of the outcome.

While stakeholder engagement activity has been substantial since early 2002, this chapter focuses on the stakeholder involvement since the Joint Venturers formally commenced the EIS/ERMP process. While consultation in the ESE Review process (2002 and 2003) was generally at a strategic level (ChevronTexaco 2003a), the stakeholder engagement process since that time has focussed on specific issues of interest.

A broad range of organisations and key individuals including environmental, quarantine, resource planning and development experts throughout Australia have been consulted through briefing sessions, discussions, workshops, community meetings, conferences and familiarisation tours to Barrow Island. The engagement has involved senior Joint Venturer representatives, its specialist contractors and consultants to provide meaningful discussion and review of important topics and issues. This is particularly evident in the approach to quarantine management on Barrow Island where the work of a Quarantine Expert Panel provided guidance in the development of a Quarantine Management System. The work of the Expert Panel was regularly reported to interested parties. This community involvement was strengthened through a number of Community Consultation Meetings which led to Community Workshops.

Similarly, as part of the EIS/ERMP process, specialists were retained to carry out a Social and Economic Impact Assessment of the Development. In order to assist in identification of the impacts, they undertook comprehensive stakeholder consultation in Perth and the Pilbara Region. The breadth of stakeholders consulted can be categorised as:

- federal and state ministers and their advisers
- federal and state members of parliament
- federal and state government agencies
- local government representatives
- industry and regional development groups
- conservation groups
- local and regional community groups
- indigenous groups
- employees and contractors
- research centres, including universities
- potential customers and suppliers
- media and general public
- land and lease holders
- banking and commercial sector representatives.

The following initiatives and activities have all contributed to focusing attention on the proposed Gorgon Development:

- signing of the State Agreement, the passage through State Parliament of the *Barrow Island Act 2003*
- preliminary agreements to provide Gorgon LNG to the Chinese and North American markets
- visits by senior federal and state political leaders to China, the United States, Mexico, Korea and Japan
- the Western Australian Government Local Industry Forum
- a national geosequestration conference in Perth
- public release of the EIS/ERMP Scoping Document.

This attention has generated considerable media coverage and increased public knowledge of the proposal and awareness of key issues associated with the proposed Development.

5.2 Methods of Engagement

A number of methods were used to engage the public on the proposed Development, depending on the issue or information required. Complicated and scientific topics and issues were generally handled through workshops and panel discussions while information meetings and briefings were held to disseminate general Development details and schedules. The methods are explained in more detail below.

5.2.1 Community Consultation – Quarantine

The ESE Review and response to submissions identified the importance of Barrow Island and the need for a robust Quarantine Management System to protect the biodiversity of the island. In November 2003, the Joint Venturers established a Quarantine Expert Panel of respected, experienced, and independent technical specialists. The purpose of the Panel was to specifically provide independent expert advice with the aim of developing a world-class Quarantine Management System for the Gorgon Development. The Panel was chaired by a former Chairman of the Western Australian Environmental Protection Authority, Dr Bernard Bowen. Advertisements were placed in Western Australian newspapers seeking interested members of the public to attend technical workshops and meetings organised by the Expert Panel secretariat; and to become involved with the development of plans, studies and programs designed to identify and address quarantine management issues.

By September 2004, there had been four quarantine community consultation meetings, four community workshops, eight Expert Panel meetings (plus a special meeting held to consider the Quarantine Management System) and 14 technical workshops involving over 40 recognised experts. Outputs, such as the technical design of baseline surveys to investigate the existence of non-indigenous (introduced) marine and terrestrial species, summaries from the community consultation meetings and brief reports of each Expert Panel Meeting were posted on the Gorgon Australian Gas website (www.gorgon.com.au). Further information on Quarantine aspects of the proposed Development are detailed in Chapter 12 and associated Technical Appendices.

5.2.2 Technical Workshops for Government and Industry Stakeholders

The Gorgon Joint Venturers have organised a number of technical workshops with stakeholders to examine specific aspects of the impacts of the Development. In addition to quarantine, consultation workshops have been held to assist in the planning and design of environmental studies and identification of potential issues. In May 2004, the Joint Venturers held seminars with key federal and state government stakeholders to discuss the preliminary findings of environmental field studies conducted for the Draft EIS/ERMP and in August and September 2004, proposed environmental management strategies to reduce potential impacts and risks were discussed at informal workshops with government agencies.

The Gorgon Development proposal is contributing to the national debate on greenhouse gas management and geosequestration regulation through membership of the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC) and a reference group advising the Geo-Sequestration Regulatory Working Group. This Group, which was established by the Ministerial Council on Minerals and Petroleum Resources, comprises federal and state/territory officials who are developing principles for a nationally consistent regulatory framework for geosequestration.

5.2.3 Briefings and Meetings

Since gaining in-principle approval for the Gorgon Development in late 2003, the Joint Venturers have continued to be pro-active in talking and listening to a diverse range of stakeholders. Key stakeholders at all levels of government, industry, non-government organisations (NGOs), the media and the community generally have indicated an eagerness to know more about the Development and provide views across a broad spectrum of topics. Joint Venturer representatives, including senior management, the Development Team, Subsurface Team, Health, Environment and Safety, Government and External Affairs, and Marketing, continue to be involved in these discussions with stakeholders.

5.2.4 Regional Visits – Pilbara

There have been numerous discussions with stakeholders in the Pilbara region of Western Australia. The Joint Venturers established a Pilbara Community Reference Group in 2003 as a means of seeking early input from the community. While this is a focal point for stakeholder engagement in the Pilbara, discussion of the Development has not been exclusively through this group. Senior Development Team members have discussed the Development with officials of both the Roebourne and Ashburton Shire Councils. A town meeting was held in Onslow and a number of the Ashburton Shire Councillors visited Barrow Island to inspect the proposed Development site in June 2004.

The Gorgon Development Team and Cultural Heritage consultants have met with representatives of Pilbara Indigenous communities and organisations to discuss the Development and identify potential opportunities for local employment and businesses. Dialogue with these communities, focusing on cultural heritage, education, training, employment, and methods to enhance positive social and economic aspects of the Development, will continue throughout the current phase of design and in the lead up to construction. This consultation and engagement form part of the Social Impact Management Plan (SIMP) that is being developed as required under the State Agreement.

5.2.5 Stakeholder Consultation Plan as Part of the Social and Economic Impact Assessment

As part of the Social and Economic Impact Assessment for this Draft EIS/ERMP, a Stakeholder Consultation Program was developed. Specialist consultants sought comment from a broad range of stakeholders including members of state and federal parliaments, state government advisers, government agencies (state and local), community and Indigenous organisations, educational institutions and special interest groups located both in the Pilbara and Perth regions.

The issues identified during the Social and Economic Impact Assessment have been considered in detail in the relevant sections of this Draft EIS/ERMP, and a summary of the key issues raised during the consultation is included in section 5.4.

5.2.6 Conferences and Forums

The Joint Venturers sponsored and addressed a Carbon Capture and Storage Conference in Perth organised by the Conservation Council of Western Australia in April 2004. The conference brought together industry, government and community representatives with scientific experts to examine the role of geosequestration in Australia's energy future.

The President of Chevron Global Gas, John Gass, addressed the 2004 Australian Petroleum and Exploration Association (APPEA) about the future of global gas markets and the important role the Gorgon Development will have. The Managing Director of Chevron Australia, James W Johnson, participated in a local content forum of government, industry and union representatives convened by the Western Australian Government. As a result of the forum, James W Johnson is now a member of the Oil and Gas Coordination Council, established by the State Development Minister.

In 2003 and 2004, the General Manager of Gorgon Gas, Paul Oen, addressed luncheons organised by the Liberal and Labor Parties on the markets and milestones for the Gorgon Development.

In 2003 and 2004, Mark Watson, Gorgon Development Environmental Coordinator, addressed the APPEA Environmental Workshop, the LandCorp Sustainable Urban Development Forum, the Sustainability Working Group (established by the Department of Premier and Cabinet) and the National Conference of Parliamentary Committee. These presentations related specifically to the Gorgon Development, its schedule, environmental approval requirements, environmental topics and potential issues.

5.2.7 Barrow Island Site Visits

During the ESE Review process, a comprehensive program of Barrow Island site visits was carried out to ensure key stakeholders could observe the island's environment, the current oilfield operation and the proposed development site. During the preparation of this Draft EIS/ERMP, the program of stakeholder visits has continued. It has included: state and federal ministers, representatives of the Ashburton Shire Council, officers from government agencies and representatives of the Conservation Council of Western Australia, Members of the Quarantine Expert Panel, Quarantine Advisors, the Waterbird Conservation Group, the West Australian Weeds Council, and the California Foundation on the Environment and Economy.

5.2.8 Supplier Communication

A dedicated on-line supplier registration system for the Gorgon Development has been established using Supply-base Vendor Registration System (VRS), a supplier registration system for the oil and gas industry. This service is provided free of charge for suppliers registering with the Gorgon Development. Regular project updates and supplier-related information can be accessed at www.supplybase.com.au. Part of Chevron Australia's display at the 2004 APPEA exhibition was dedicated to an online supplier registration facility. Currently there are more than 3600 vendors registered with the system. These vendors cover an extremely wide range of services and products.

In May 2004, Chevron Australia sponsored representatives of four Western Australian suppliers to attend the global oil and gas industry key supply exhibition – the Offshore Technology Conference in Houston, USA. The purpose of the trip was to initiate business contact with international companies to identify potential alliance and partnering opportunities for the Gorgon Development.

5.2.9 Media Announcements

The proposed Gorgon Development is a significant capital project, having global commercial impact. In 2003, two market announcements by the Joint Venturers attracted local, national and international media attention (Plate 5-1). The first was the signing of preliminary sales agreements to supply LNG to proposed terminals on the West Coast of North America. The second was a preliminary equity and sales agreement with the China National Offshore Oil Corporation (CNOOC). Other statements released by the Venturers announced the establishment of the Gorgon Development Quarantine Expert Panel and the opening of a marketing office in China.

The Joint Venturers have also responded to numerous inquiries for information about the Gorgon Development from international, national, state and regional media organisations. These have included television and radio stations, newspapers, magazines, trade journals and newsletters and industry publications. The majority of media interest has focused on the LNG market prospects although generally there has also been interest on the importance of the Development on the health and future of Australia and Western Australia, the significance of the Development to the Joint Venturers, and potential impact to trade, employment, investment and the environment.

Plate 5-1:

Media Conference on Barrow Island

**5.2.10 Gorgon Australian Gas Website**

The Gorgon Development has a dedicated website at www.gorgon.com.au which contains considerable detail of the proposed Development. The website was designed to provide interested stakeholders with the current description of the Development. It allows them to keep abreast of critical approvals and decisions being made, and provides the opportunity to contact the Development Team.

5.3 Key Gorgon Development Stakeholders**5.3.1 Western Australian State Ministers, their Advisers and Members of State Parliament**

Briefings, meetings, discussions and Barrow Island site visits have been held with a number of members of the Western Australian Cabinet, their advisers and Members of Parliament, in particular those with portfolio or electorate interests in the proposed Development (Plate 5-2). They include the:

- Premier
- Deputy Premier, Treasurer and Energy Minister
- Minister for State Development
- Minister for the Environment
- Minister for Local Government and Regional Development, the Kimberley, Pilbara and Gascoyne
- Minister for Consumer and Employment Protection; Indigenous Affairs Minister Assisting the Minister for Public Sector Management
- Parliamentary Secretaries to the Premiers and Ministers for State Development and Environment and Heritage
- Leader of the Opposition
- Leader of the National Party
- Western Australian Greens member with responsibility for Energy and Mining
- Members of the Legislative Council representing the Mining and Pastoral Region
- Members for Pilbara and Burrup.

Plate 5-2:

Premier and Members of State Cabinet Visit to Barrow Island September 2003



5.3.2 Federal Ministers, their Advisers and Members of Federal Parliament

Briefings, meetings, discussions and Barrow Island site visits have been held with a number of members of Federal Cabinet, their advisers and Senators and Members of House of Representatives, in particular those with portfolio or electorate interest in the Gorgon Development (Plate 5-3). They include the:

- Prime Minister's Office
- Deputy Prime Minister
- Minister for Industry, Tourism and Resources
- Minister for the Environment
- Minister for Trade
- Minister for Foreign Affairs
- Minister for Finance
- Treasurer's Office
- Federal Opposition Shadow Minister for Resources
- Western Australian Senators and Members of the House of Representatives.

5.3.3 State Government Agencies of Western Australia

Briefings, meetings, discussions, workshops and Barrow Island site visits have been held with a range of state agencies and advisory bodies. They include the:

- Standing Inter-Agency Committee of Chief Executive Officers
- Environmental Protection Authority
- Department of Industry and Resources (specifically the Petroleum Division, the Office of Major Projects and the Office of Aboriginal Economic Development)
- Department of Environment
- Conservation Commission
- Department of Conservation and Land Management
- Department of Agriculture
- Department of Treasury and Finance
- Department of Premier and Cabinet, Policy Unit
- Department of Planning and Infrastructure
- Marine Parks and Reserves Authority
- Department of Indigenous Affairs
- Botanic Gardens and Parks Authority
- Department of Health
- Department of Fisheries.

5.3.4 Federal Government Agencies

Briefings, meetings, discussions, workshops and Barrow Island site visits have been held with a range of federal agencies and advisory bodies. They include the:

- Department of Prime Minister and Cabinet
- Department of Industry, Tourism and Resources
- Department of the Environment and Heritage
- Invest Australia
- Treasury
- Department of Finance and Administration
- Australian Tax Office
- Australian Greenhouse Office
- Australian Quarantine and Inspection Service
- Department of Foreign Affairs and Trade
- AusIndustry
- Department of Defence
- Foreign Investment Review Board.

5.3.5 Regional Stakeholders – Pilbara

Briefings, meetings, discussions, workshops and Barrow Island site visits have been held with a range of Pilbara stakeholders. They include the:

- Shire of Roebourne
- Shire of Ashburton
- Gorgon Pilbara Reference Group
- Pilbara Development Commission
- Pilbara Regional Council
- Pilbara Area Consultative Committee
- Department of Community Development
- Department of Fisheries
- Department of Indigenous Affairs
- Department of Education and Training
- Department of Health
- Karratha Fire and Emergency Services
- Karratha Police
- Lifeline Karratha

Plate 5-3:

EPA Visit to Barrow Island



- Salvation Army Karratha
- Dampier Port Authority
- Karratha and Districts Chamber of Commerce and Industry
- Karratha Business Enterprise Centre
- Pilbara College of TAFE
- Karratha Visitor Centre
- Western Australian Tourism Commission
- Point Samson Community Association
- Dampier Community Association
- Yabburara/Mardudhunera Indigenous Community
- Kurama Marthudunera Indigenous Community
- Buurabalyji Thanlanyji Association
- Ngarda Ngarli Yarndu Regional Council
- Ngarda Civil and Mining
- Carey Mining
- Bujee-Nhoor-Pu Aboriginal Cultural Enterprises
- Pilbara Aboriginal Chamber of Commerce
- Juluwarlu Aboriginal Corporation
- Pilbara Native Title Service
- Roebourne Indigenous Job Seekers Working Group
- Pilbara Trap Fisheries
- Pilbara Trawl Fisheries
- Onslow Prawn Fisheries
- Pearl Producers Association
- Mardie Station leaseholder.

5.3.6 Conservation Organisations

Briefings, meetings, discussions, workshops and Barrow Island site visits have involved a range of regional, state, national and international conservation organisations. These organisations had a primary interest in how the proposed Development would potentially impact the environment, how the Joint Venturers plan to manage these impacts, the

opportunities for public and community input into the Draft EIS/ERMP and the approval process. For example, the Quarantine Community Meetings and Risk Standards Workshops (refer to Chapter 12) have resulted in the involvement of a wide range of conservation groups. It should be noted that there was also valuable discussion and engagement with these organisations on general Gorgon Development information, planning and design. Stakeholders consulted include the:

- Conservation Council of Western Australia
- Marine and Coastal Communities Network
- Waterbird Conservation Group
- Wildflower Society of Western Australia
- Australian Marine Conservation Society
- Western Australian Naturalists' Club
- West Australian Weeds Committee
- Royal Society of Western Australia
- Pilbara Wildlife Carers Association
- Speleological Group (Western Australia)
- Wilderness Society of Western Australia
- Environmental Weeds Action Network of Western Australia
- Birds Australia (Western Australia Group)
- Care for Hedland Environmental Interest Group
- Cape Conservation Group
- Nickol Bay Naturalists Club
- Greenpeace
- Australian Conservation Foundation
- Worldwide Fund for Nature.

Also included in this group is Dr Harry Butler, a well-known conservationist, who has had some 40 years of active involvement with and stewardship for Barrow Island. Dr Butler helped establish the system and policies for quarantine on Barrow Island as early as the 1960s.

5.3.7 Industrial Interests and Organisations

Briefings, meetings, discussions, workshops, conference presentations and Barrow Island site visits have been held with a range of industry stakeholders. They include the:

- Chamber of Minerals and Energy of Western Australia
- Chamber of Commerce and Industry Western Australia (including Apprenticeships WA)
- Australian Petroleum Production and Exploration Association
- Australian Pipeline Industry Association
- Australian Gas Association
- American Chamber of Commerce
- Petroleum Club of Western Australia
- Oil and gas companies with interests in the area (including Apache Energy, Woodside Petroleum and Santos Limited)
- Resources and support companies with interests in the Pilbara and Kimberley (Pilbara Iron, BHP Billiton, Argyle Diamonds, ESS, Newcrest Mining, Burrup Fertilisers)
- Australian Marine Complex
- Australian Council of Trade Unions
- UnionsWA
- Representatives of industrial unions.

5.3.8 Academic and Scientific Organisations

Briefings, meetings, discussions, workshops, conference presentations and Barrow Island site visits have been held with a range of scientific stakeholders. The primary focus was to inform and engage these stakeholders in matters related to their specific area of interest. For instance, discussions and workshops with the CO2CRC related to the potential impact of the Gorgon Development on the disposal of reservoir carbon dioxide (CO₂) by injection and the design and implication of national CO₂ disposal principles and policies. The stakeholders include the:

- Commonwealth Scientific Industrial Research Organisation
- Cooperative Research Centre for Greenhouse Gas Technologies
- Australian Institute of Marine Science
- Australian Marine Science Association
- Curtin University of Technology
- Edith Cowan University
- Murdoch University
- University of Western Australia
- Western Australian Museum.

5.3.9 Other Stakeholders

Briefings, meetings, discussions, workshops, Barrow Island site visits and formal presentations on the Gorgon Development were undertaken to provide a wide range of information and issues to the following stakeholders:

- employees and contractors in Perth and on Barrow Island (Plate 5-4)
- Joint Venturer representatives
- potential customers.

Plate 5-4:

Development Team Members in Environmental Familiarisation Tour of Barrow Island



5.4 Key Issues Identified by Stakeholder Groups

The Joint Venturers have been consulting and engaging with a wide number of stakeholder groups since 2002 about locating a gas processing facility on Barrow Island to develop the Greater Gorgon gas resources. Stakeholder engagement for this Draft EIS/ERMP needs to be viewed in the context of the Venturers' ongoing commitment to consultation which includes understanding and addressing stakeholder concerns and issues.

The ESE Review contains a detailed list of questions raised by stakeholders directly with the Joint Venturers (ChevronTexaco Australia 2003b). The release of the ESE Review was followed by a public review and comment period after which the Environmental Protection Authority (EPA) and the Department of Industry and Resources (DoIR) summarised the questions raised by stakeholders. The Venturers then responded to the matters raised by the EPA and DoIR (ChevronTexaco Australia 2003a).

Many of the matters raised by stakeholders since 2002 were addressed during the ESE Review process such as size of development footprint (300 ha), and Barrow Island as a development location. Other matters such as quarantine, impact on the marine environment, stygofauna, endangered species that were raised in the ESE Review process are specifically dealt with throughout this Draft EIS/ERMP. The following tables (Table 5-1, Table 5-2, Table 5-3 and Table 5-4) are summaries of key questions about various factors that were raised by stakeholders during the EIS/ERMP process. Questions that are addressed in greater detail in subsequent chapters and/or technical appendices of this document are noted. As expected, there is often overlap between, and duplication of, questions received from the stakeholders. In an attempt to minimise the duplication and make the document easier to read, similar questions have been grouped.

Table 5-1:
Key Questions Raised by Stakeholders about Strategic Factors

Factors	Stakeholder Question	Response
Development location	Have other Development location options been fully explored?	As documented in the ESE Review, the Joint Venturers conducted an exhaustive examination of alternative development sites before concluding that Barrow Island was the only location that would enable gas from the Gorgon gas field to be competitive in today's market. This position was supported by an independent report prepared for the Western Australian Government by The Allen Consulting Group which concluded that based on all the available information '...Barrow Island represents the only commercial option for monetising the substantial national asset represented by the Gorgon resource.' This was accepted by the Government of Western Australia and the <i>Barrow Island Act 2003</i> was passed. (Refer to Chapter 3 for additional details.)
Level of detail in the Draft EIS/ERMP	Will the Draft EIS/ERMP be sufficiently detailed to demonstrate that all potential impacts can be mitigated appropriately?	The scope (including the level of detail) for the environmental, social and economic studies was strongly influenced by the results of the extensive stakeholder engagement program. The Venturers allocated substantial resources to the work and employed a large team of over 100 specialist consultants from over 20 companies over a period of 18-months to conduct the research, modelling, field surveys and assessments. The assessment scope and methodology was discussed with regulatory agencies and the preliminary findings presented to agency workshops.

Table 5-2:
Key Questions Raised by Stakeholders about Environmental Factors

Factors	Stakeholder Question	Response
Quarantine Risk and Management	Will the Gorgon Development result in a substantial increase in the risk of a quarantine breach?	<p>The Joint Venturers are actively engaged in developing a Quarantine Management System that will deliver a world's best practice level of quarantine protection for Barrow Island. This effort involves a team of 25 experts dedicated to develop a system that will continue to manage risks to the conservation values of Barrow Island and the marine environs. Furthermore, the Gorgon Quarantine Expert Panel was established to oversee and provide expert advice on the development of quarantine measures for the proposed Development.</p> <p>The Venturers are confident the level of risk can be effectively assessed, managed, and mitigated to a level considered acceptable by technical experts, the community, and relevant government agencies. (Refer to Chapter 12).</p>
	Will the proposed Development remain commercially viable on Barrow Island with the substantial incremental cost of quarantine management?	The Joint Venturers have conducted an exhaustive assessment of a number of possible sites for the proposed Gorgon Development. These assessments, which include the cost of quarantine, consistently identify Barrow Island as the only commercial site for the proposed Development.
Injection of reservoir CO ₂	Can the Joint Venturers be confident that the injected CO ₂ will remain underground?	<p>Studies undertaken by the Development Team have established that the technical risk of the CO₂ injection project failing is very low. In the remote event of a leak, impacts on the island would be minor and would not jeopardise the island's conservation values.</p> <p>(Refer to Chapters 10 and 13).</p>
	Will the Joint Venturers be responsible for the sequestered CO ₂ ?	<p>The Joint Venturers will hold a licence for this facility and are responsible for ensuring the planned CO₂ injection project does not pose a threat to other assets or the conservation values of Barrow Island.</p> <p>(Refer to Chapter 13).</p>
Subterranean Fauna	Can the Joint Venturers be confident that risks to subterranean fauna biodiversity will be adequately understood and managed?	In consultation with experts from CALM and the Western Australian Museum, the Joint Venturers and specialist consultants designed and implemented the most comprehensive, rigorous and robust subterranean fauna investigation yet undertaken by a proponent as part of an environmental impact assessment.

Table 5-2: (continued)		
Questions Raised by Stakeholders about Environmental Factors		
Factors	Stakeholder Question	Response
Dredging	How will potential impacts on sensitive marine flora and fauna from dredging the shipping channel, MOF and spoil disposal sites be approached?	Sensitive reef areas will be considered when selecting the location of marine facilities. The volume of dredging required for marine facilities has been reduced to as low as reasonably practicable. Specialist studies have been undertaken in potentially affected marine areas. Sensitive periods for marine primary producers have been identified. Particle-size of marine sediments and substrates has been incorporated into a comprehensive mathematical model of marine currents around Barrow Island resulting in the appropriate location of dredge disposal sites. Management plans will be developed to monitor coral health and guide actions to further reduce potential impacts. (Refer to Chapters 8 and 11).
Air Emissions	How will potential impacts of air emissions on public health and the flora and fauna on Barrow Island be approached?	Air emission specialists were retained to model existing and planned emission sources, types (NO _x , SO ₂ , Particulates, H ₂ S and ozone depleting substances) and dispersal contours and ground concentrations. Modelling results predict negligible impacts to local and regional receiving environments with impacts to flora and fauna unlikely. (Refer to Chapters 7 and 10 and Technical Appendix B1).

Note: All acronyms and abbreviations are provided in the supplementary information section of this document.

Table 5-3:

Key Questions Raised by Stakeholders about Economic Factors

Factors	Stakeholder Question	Response
Australian Industry Participation	Will there be opportunities for Australian industry to compete to supply goods and services to the proposed Development?	<p>The Joint Venturers actively support Australian industry participation as a core business policy. Part of this commitment is to provide full, fair and reasonable opportunity for Australian industry to supply goods and services to the Development. The Joint Venturers will utilise the services of the Industry Capability Network (ICN WA) to assist in identifying potential Australian companies to provide goods and services. A dedicated supplier registration system for the Gorgon Development has already been established for Australian suppliers, with more than 3600 vendors currently registered.</p> <p>Clause 15(1)(c) of the State Agreement imposes requirement on the Gorgon Joint Venturers that Western Australian suppliers, manufacturers and contractors be given fair and reasonable opportunity to tender and quote.</p>
Regional Opportunities	Will there be opportunities for the Pilbara Region to participate in the proposed Development through local employment and use of local businesses?	<p>Through the Barrow Island State Agreement and the ESE Review, the Joint Venturers are committed to providing opportunities for the Pilbara Region. A Pilbara Community Reference Group has been formed to provide advice to the Joint Venturers on socio-economic issues for Pilbara communities, businesses and organisations arising as a result of the Gorgon Development. Several studies are also currently underway to assess the ability of the Pilbara to support various development requirements such as a supply base, logistics and lay-down area.</p>

Table 5-4:
Key Questions Raised by Stakeholders about Social Factors

Factors	Stakeholder Question	Response
Unemployment	As unemployment is a growing concern for the Pilbara Region, will there be employment opportunities from the proposed Development for groups such as youth and Indigenous people?	The Joint Venturers are considering opportunities for establishing partnerships with existing government and community (including Indigenous) groups to contribute to, or create, employment and/or training programs and opportunities for people in the Pilbara region. (Refer to Chapter 14).
Opportunities for Onslow	Will the Onslow area receive benefits from the Development?	Pursuant to current legislation, the Shire of Ashburton will have the ability to levy reasonable and appropriate rates on the portion of the Barrow Island that will be used for the Development. This will generate a beneficial source of income without a substantial cost to the community. The Joint Venturers are also considering other opportunities to contribute to improved social infrastructure and services in Onslow. (Refer to Chapter 14).
Workforce Health and Safety	Have the social impacts associated with using a fly-in fly-out workforce been recognised?	The potential impacts associated with use of fly-in fly-out on workers are recognised, however it is common in the oil and gas industry. Fly-in and fly-out options will be available from Perth and Karratha such that employees can be based in the Pilbara. The Gorgon Development health and safety management system will consider health impacts of fly-in fly-out. (Refer to Chapter 14).
Use of Fly-in Fly-out Workforce	Will the use of a fly-in fly-out regime reduce the opportunities for the Pilbara region to benefit from the Development; and will it contribute to negative social effects on community stability such as family breakdowns, reduced public participation and volunteering in local activities, increases in single persons/decline in family numbers?	Currently there are not enough workers in the Pilbara region to meet the high labour demand during the construction of the Development, regardless of its location. Fly-in fly-out is the only practical method to meet the labour requirement and places the least demand on existing social infrastructure. During operations, workers will be sourced where they have the necessary skills; some of these will be from the Pilbara region. There is an existing Chevron camp on Barrow Island for the WA Oil operations and there will be a construction village for the Gorgon Development. Because the only economical location for the Development is currently on Barrow Island, fly-in fly-out is the only option available.

Table 5-4: (continued)

Key Questions Raised by Stakeholders about Social Factors

Factors	Stakeholder Question	Response
Capacity of local services and infrastructure	Will the existing services/social infrastructure in Karratha and the Pilbara be adequate to service the Gorgon Development? That is, will the proposed Development result in increased pressure on: health and emergency services in Onslow and Port Hedland; childcare facilities in Karratha; men's health and related issues; facilities and services for youth particularly indigenous youth; secondary and tertiary education facilities?	The Development is not expected to have a significant impact on population numbers in the region; however the Joint Venturers will be developing a SIMP during the next stage of development. The SIMP will consider the issues identified in the Social and Economic Impact Assessment and identify management measures. Further consultation will be conducted to ensure that proposed management measures are appropriate. (Refer to Chapter 14).
Impacts on other land and sea uses	Will activities associated with the Gorgon Development restrict other land uses or values including Mardie Station, commercial fishers, native title and cultural heritage?	The Joint Venturers have consulted with relevant stakeholders including Mardie Station, commercial fishers, Indigenous people and Local Government to identify specific impacts. A draft Cultural Heritage Management Plan has been prepared and the SIMP will address in further detail other potential impacts. (Refer to Chapter 14).
Increased traffic to and from supply base	How will the potential for increased traffic and congestion with associated safety issues for other road users and businesses operating nearby be addressed?	The Joint Venturers will prepare a detailed traffic management plan in consultation with local government to ensure that this issue is managed.

5.5 Conclusion and Further Engagement Plan

Comprehensive and effective community consultation, engagement and participation are planned for all stages of the Gorgon Development. The Joint Venturers understand that involving the community in development planning represents best practice in environmental management. Effective community engagement has been, and remains, a key element of the Gorgon Development, and will be incorporated into the SIMP pursuant to the State Agreement.

The Gorgon gas field was discovered over two decades ago and since that time, stakeholder input has helped shape the Development's location, concept and plans. Participatory engagement was undertaken at a very early stage of the Development planning, well before the preparation of the ESE Review. This active engagement has continued during the scoping of environmental and social issues and the planning of comprehensive studies. The wide range of community interest and involvement in these activities has, for the most part, been a very positive influence on the Development.

The commitment to community involvement identified in the earlier ESE Review remains unchanged. That is to 'maintain open and accountable processes through all stages of the Development that encourages

stakeholder engagement in relation to the Gorgon Development' (ChevronTexaco Australia 2003b). The record of community involvement by the Venturers since the government granted in-principle access to Barrow Island demonstrates the importance the Venturers place on that commitment.

The Joint Venturers will continue to meet with stakeholders, answer questions and seek feedback throughout the EIS/ERMP process. The federal and state government review of this Draft EIS/ERMP document and the 10-week public comment period will provide stakeholders with further opportunity to provide formal input into the environmental approval process. The Venturers will then address these submissions.

The comprehensive consultation plan implemented as part of the approvals process will continue following the release of this Draft EIS/ERMP and through all stages of the Development. Specifically during the public comment period, the plan is designed to encourage stakeholder participation in the public submission process.

Feedback from submissions received through the formal public comment period will further assist the Venturers in formulating responses and addressing the issues raised.