Pilbara LNG Project
“Pilbara LNG” at Onslow site recently announced - 6mtpa phase 1 development – BHP Billiton 100% owner/operator of the LNG project phase

- Onslow location has local stakeholder/Govt, State and Commonwealth support
- no significant environmental issues have been identified
- initial gas supply to Pilbara LNG expected to be Scarborough (BHPB 50%)
- Pilbara LNG may tie in other gas in the area – site allows ultimately for 4 trains

Scarborough gas resource:
- BHPB 50%, ExxonMobil 50%
- P+P reserves 8tcf
- Negligible CO₂
- 2 existing wells
- 3D seismic survey May 2004
- Scarborough-3 well planned for Dec 2004
• EIS and environmental approvals – kick off approval process in October 2004

• Complete pre-feasibility Q1, 2005

• Complete FEED and project sanction Q1, 2006

• Start-up operation 2009/10
Cabrillo Port LNG Import Terminal
Pipeline Gas Supplies for California
Projected Additional Infrastructure

Western Canadian Sedimentary Basin

Resource Potential
Positive +
Neutral
Negative

Large Market Potential

Enbridge 1 Bcf/d
KM Advantage 330 MMcf/d
Cheyenne Plains 730 – 1,700 MMcf/d

Kern Expansion 500 MMcf/d (undersubscribed)
Silver Canyon 750 MMcf/d

El Paso Natural Gas Co.
Kern River Gas Trans.
Northwest Pipeline Corp.
Questar Pipeline Co.
PG&E Gas Co.
SoCal Gas Co.
PG&E Gas Trans.
Paiute Pipeline Co.
Transwestern Pipeline Co.
Southern California and Baja, Mexico
Proposed Regasification Facilities

Bakersfield
Wheeler Ridge
Kramer Junction
Topock
Needles
Ehrenberg
Oxnard-Ventura
Los Angeles
San Diego
BHP Billiton
Mitsubishi
ChevronTexaco
Sempra/Shell
Cabrillo Port Development Components

“A combination of proven technology components”
Visual Simulation – Typical Conditions

Photo simulation of the FSRU 14.04 miles offshore, under typical marine layer conditions
Floating Storage & Regasification Unit (FSRU)

- Storage Capacity = 273,000 m³
- Length = 928 ft
- Displacement ~ 210,000 DWT
- Normal Throughput = 650 - 850 MMSCFD
- Design Throughput = 1,500 MMSCFD
- Permanently Turret Moored in 2,850' wd.

Proven Technologies

- Single Point Mooring
- conventional LNG transfer arms
- Moss spherical LNG storage tanks
- LNG regasification
### Cabrillo Port Permits Process - Deepwater Port License & California Land Lease

<table>
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<tr>
<th>Date</th>
<th>Event Description</th>
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<tr>
<td>Sep 03</td>
<td>Filed Applications with U. S. Coast Guard and CSLC</td>
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<tr>
<td>Jan 04</td>
<td>Data Requests, Application Deemed Complete</td>
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<tr>
<td>Mar 04</td>
<td>Public Comment &amp; Participation</td>
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<td>Oct 04</td>
<td>Joint NEPA / CEQA Environmental Review Scoping</td>
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<td>Jan 05</td>
<td>Draft Distribution</td>
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<td>Draft Comment Period Final EIR / EIS Issued</td>
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<td>Mar 05</td>
<td>MARAD / USCG &amp; CSLC Approvals Permit Approval</td>
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<td>Coastal Commission</td>
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<td>Consistency Certificate &amp; Coastal Development</td>
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<tr>
<td>May 05</td>
<td>Deepwater Port License &amp; California State Lands Lease</td>
</tr>
<tr>
<td>2003</td>
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<tr>
<td>Pre-Application Submittal Activities &amp; Initial Meetings with Key Stakeholders</td>
<td>Deepwater Port &amp; State Lands Lease Application Submitted</td>
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</tbody>
</table>

Cabrillo Port
Proposed Project Schedule – Calendar Years