

Gas Australia Asia Pacific Conference 2004
12 - 13 October, Perth

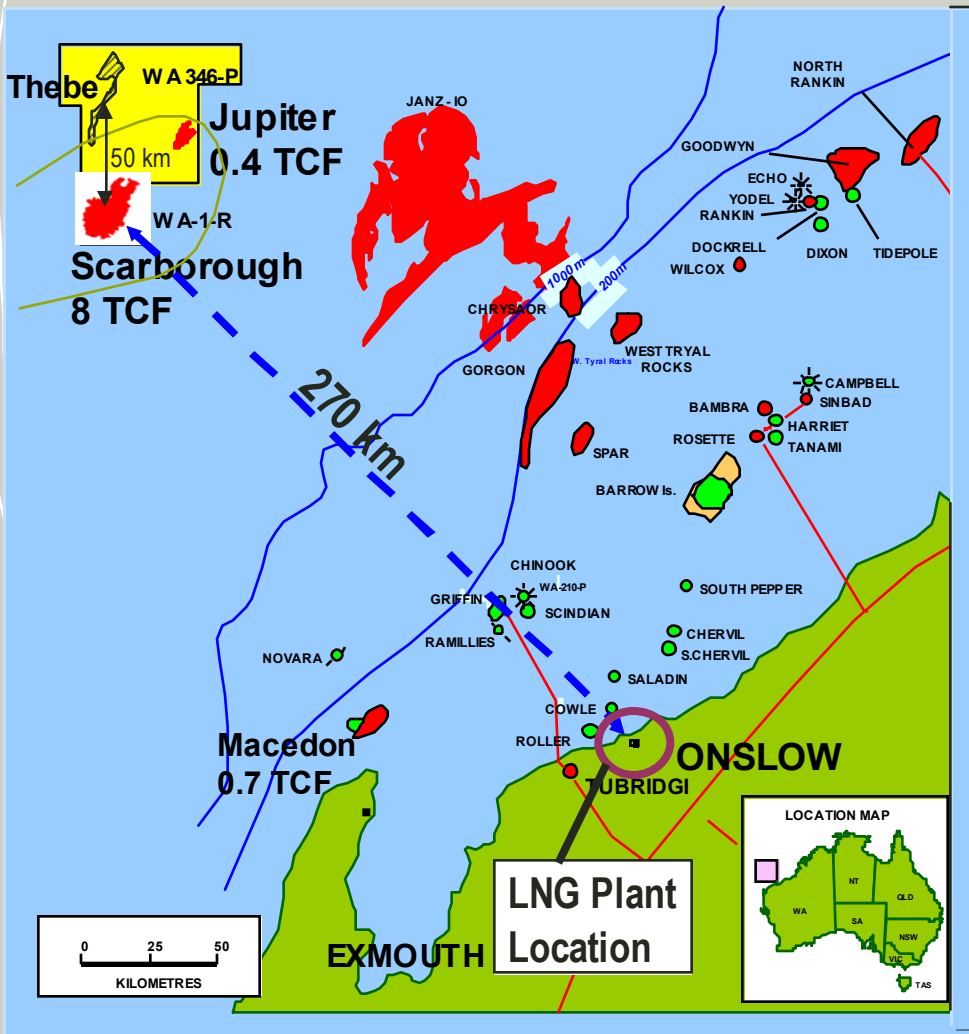


bhpbilliton

Pilbara LNG Project



Pilbara LNG Project Overview



- “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

Pilbara LNG Project Milestones

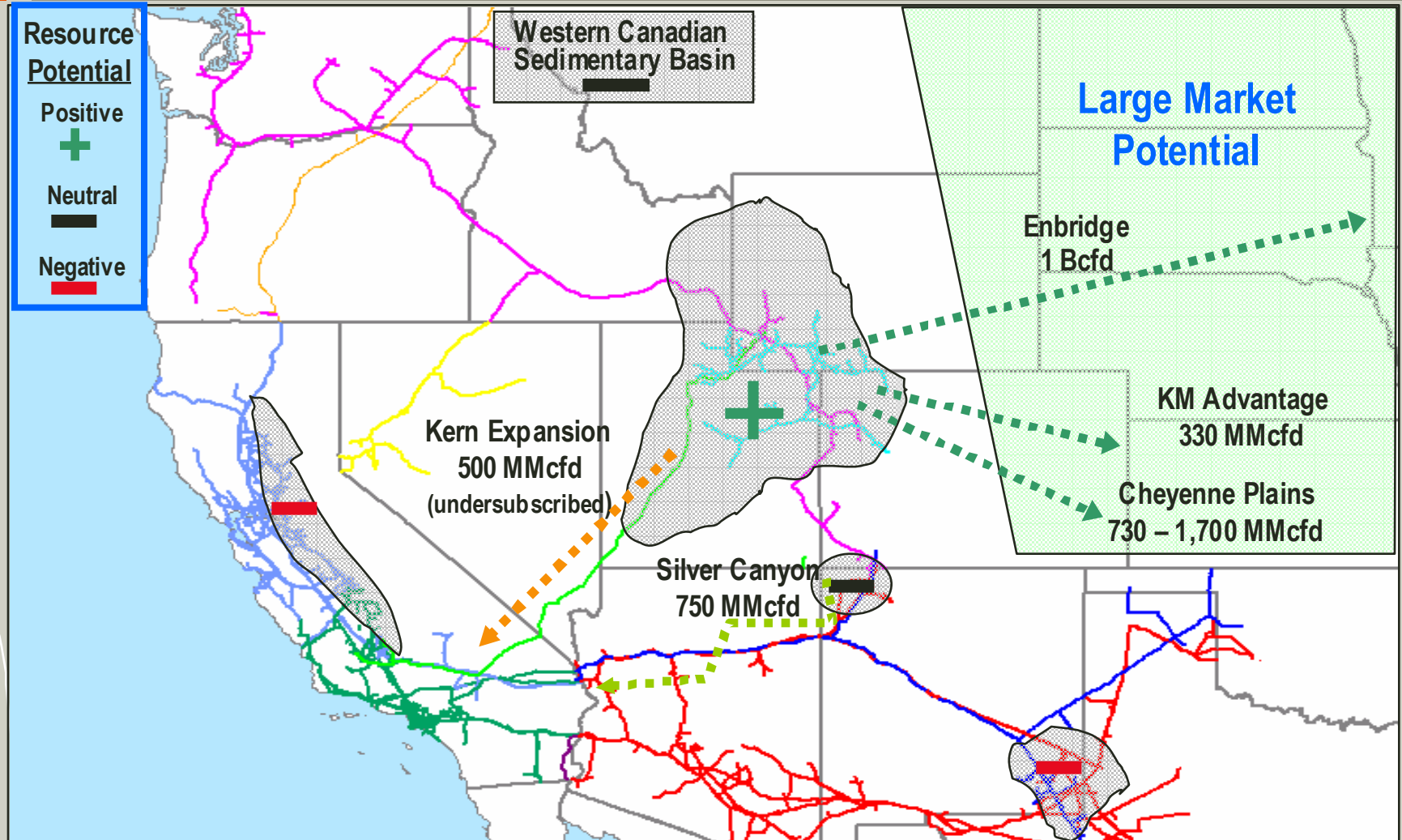
- **EIS and environmental approvals – kick off approval process in October 2004**
- **Complete pre-feasibility Q1, 2005**
- **Complete FEED and project sanction Q1, 2006**
- **Start-up operation 2009/10**

Cabrillo Port LNG Import Terminal



Pipeline Gas Supplies for California

Projected Additional Infrastructure



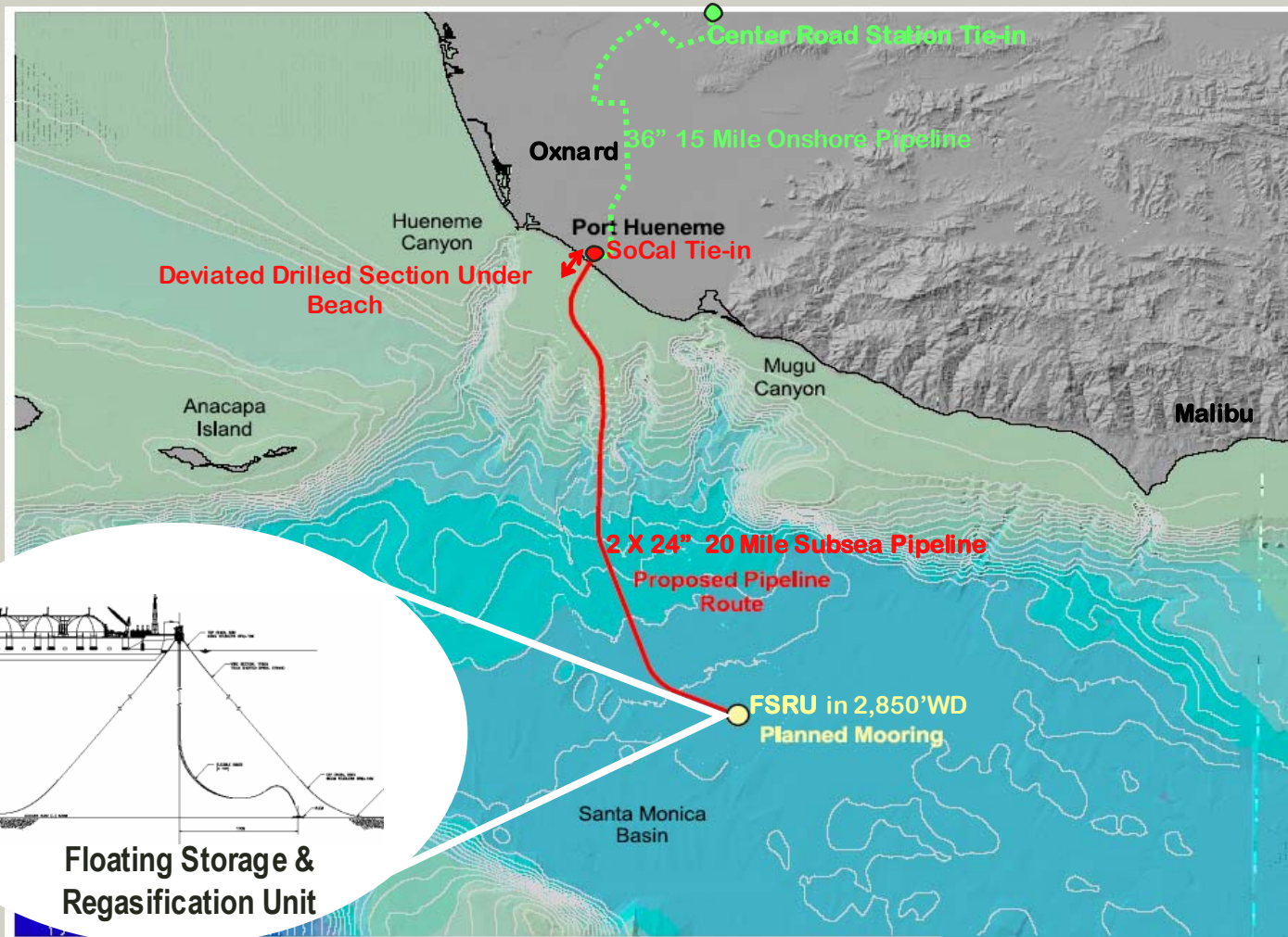
El Paso Natural Gas Co.	—	Questar Pipeline Co.	—	PG&E Gas Trans.	—
Kern River Gas Trans.	—	PG&E Gas Co.	—	Paiute Pipeline Co.	—
Northwest Pipeline Corp.	—	SoCal Gas Co.	—	Transwestern Pipeline Co.	—

Southern California and Baja, Mexico Proposed Regasification Facilities



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)

Proven Technologies

- Single Point Mooring
- conventional LNG transfer arms
- Moss spherical LNG storage tanks
- LNG regasification



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

Cabrillo Port

Permitting Process - Deepwater Port License & California Land Lease

Sep 03	Filed Applications with U. S. Coast Guard and California State Lands Commission		
Jan 04	Data Requests Application Deemed Complete		
Mar 04	Public Comment & Participation	Joint NEPA / CEQA Environmental Review Scoping	Other Permits EPA Air & Water Quality permit DOE Import Permit Others
Oct 04		Draft Distribution	
Jan 05	Public Comment & Participation	Draft Comment Period Final EIR / EIS Issued	
Mar 05	MARAD / USCG & CSLC Approvals Permit Approval by Other Agencies Coastal Commission Consistency Certificate & Coastal Development Permit		
May 05	Deepwater Port License California State Lands Lease		

Cabrillo Port Proposed Project Schedule – Calendar Years

