

Gas Australia Asia Pacific Conference 2004

12 - 13 October, Perth

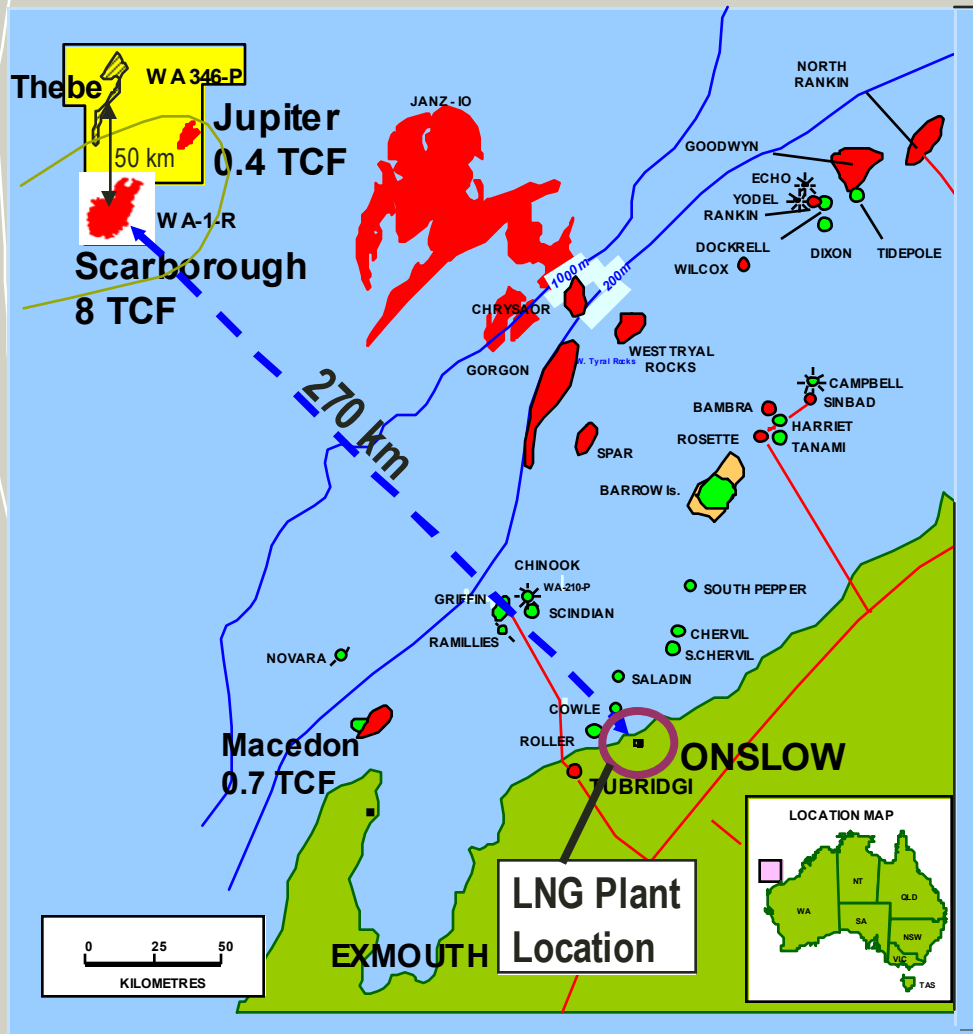


bhpbilliton

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

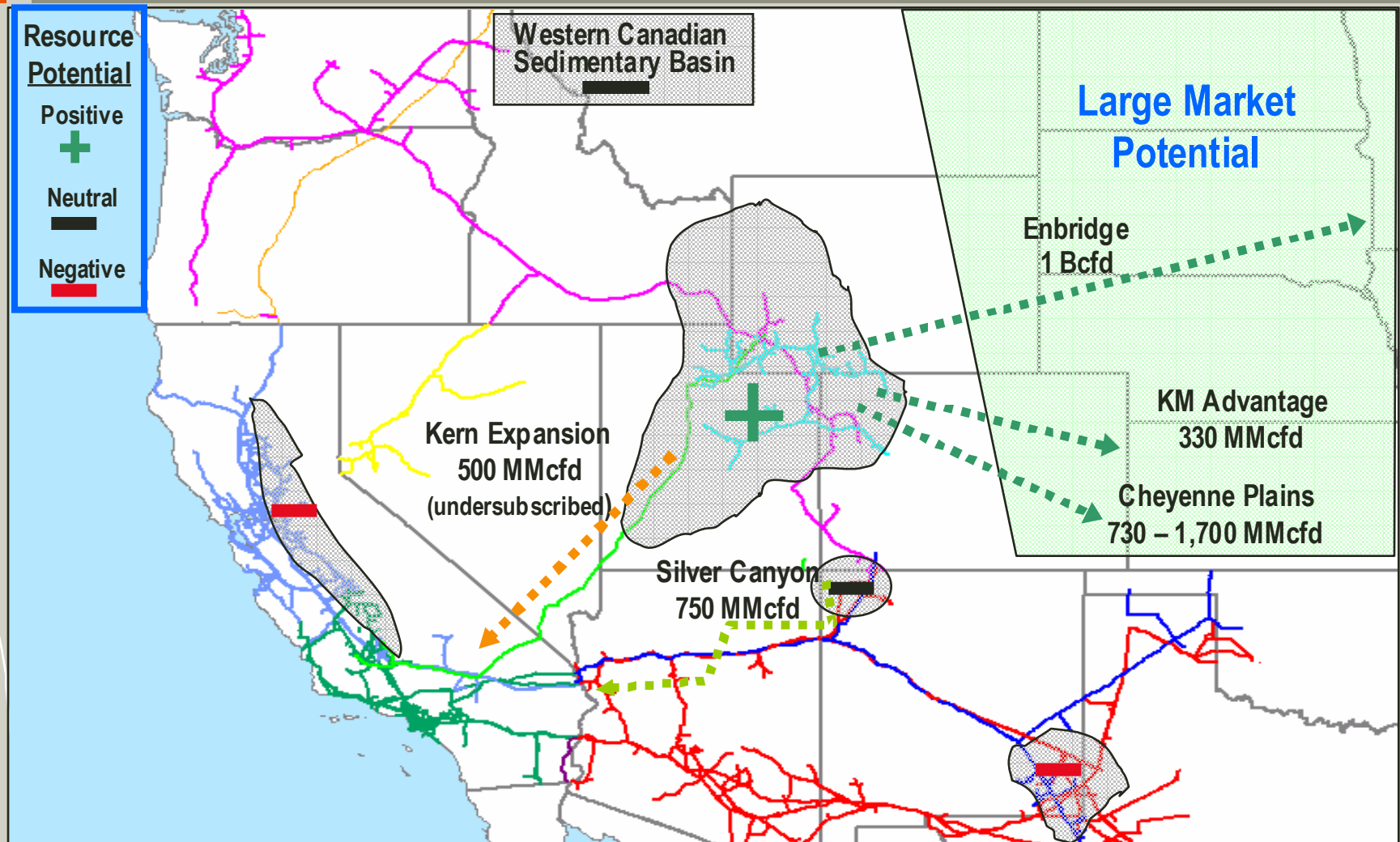
- **EIS and environmental approvals – kick off approval process in October 2004**
- **Complete pre-feasibility Q1, 2005**
- **Complete FEED and project sanction Q1, 2006**
- **Start-up operation 2009/10**

Cabrillo Port LNG Import Terminal



Pipeline Gas Supplies for California

Projected Additional Infrastructure

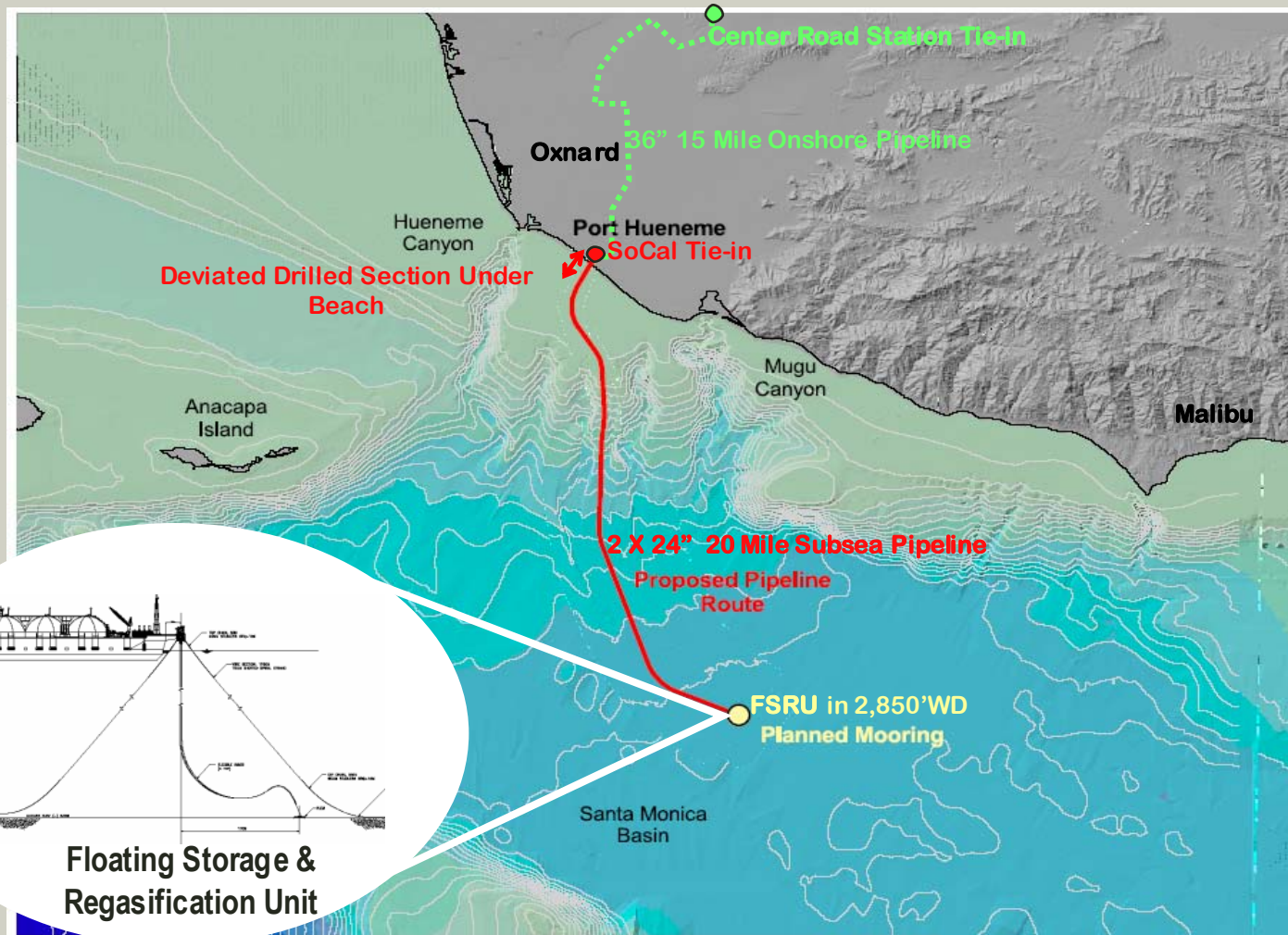


Southern California and Baja, Mexico Proposed Regasification Facilities



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

