Strategic Factors Impacting The California Crude Oil Market



California Independent Petroleum Association 28th Annual Meeting

June 12, 2004 **Hyatt Regency Huntington Beach**

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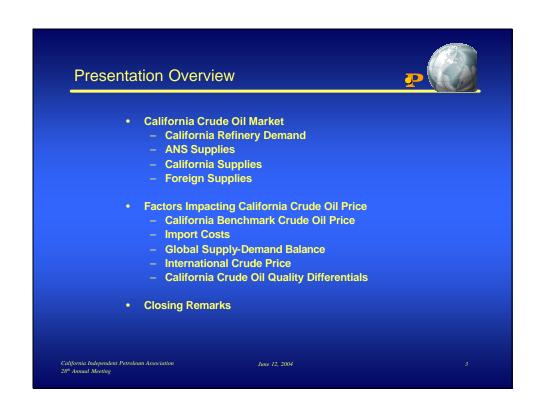
- Founded in 1947
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 Refinery analysis (technical a economic)
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 Terminal/Pipeline infrastructure analysis degrees
 Due diligence/ Independent engineer
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- - Houston, Texas (Headquarters)
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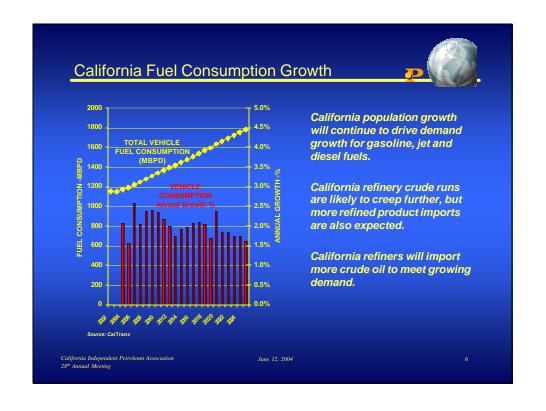
 - Routine Publications
 - Petroleum & natural gas price forecastGlobal supply/demand projections

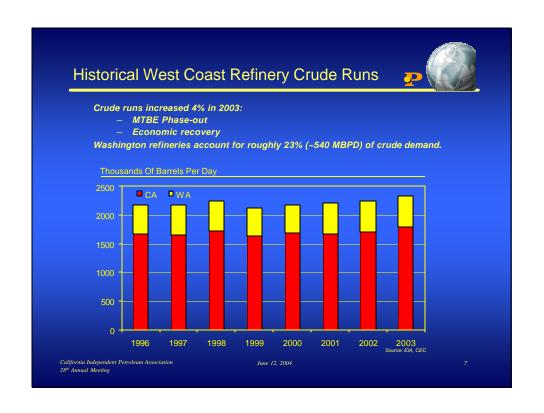
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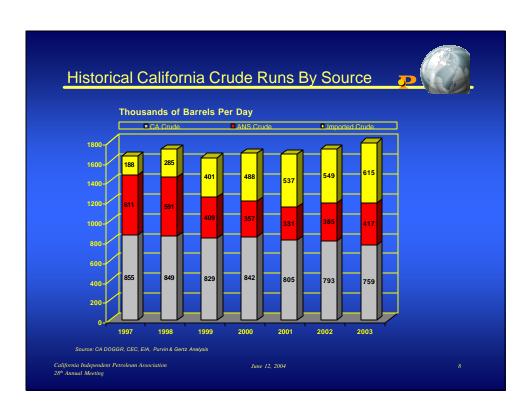


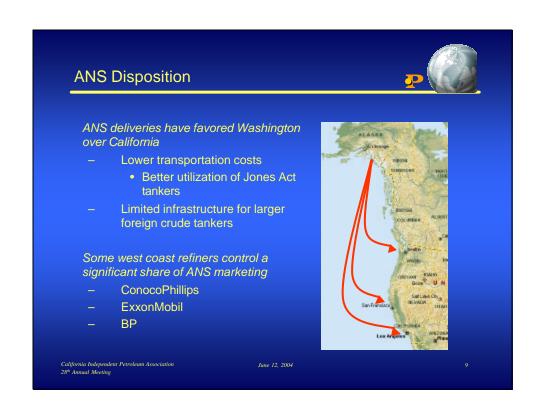


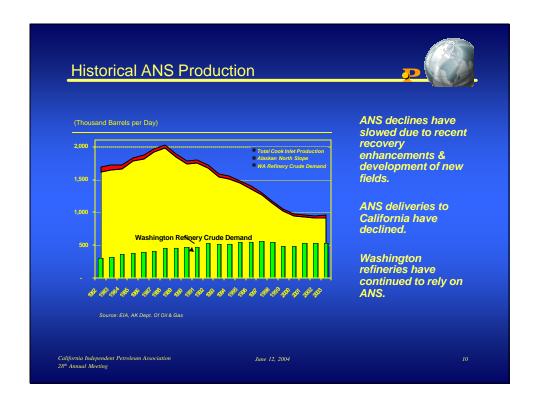


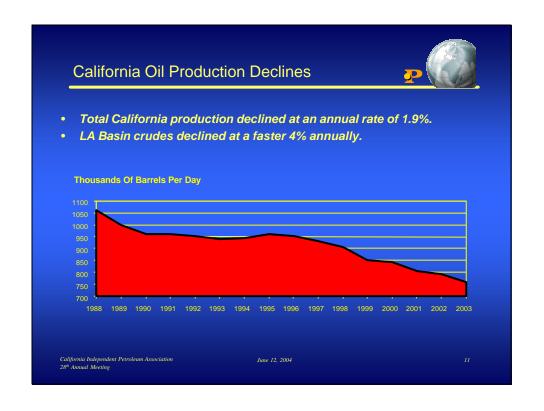


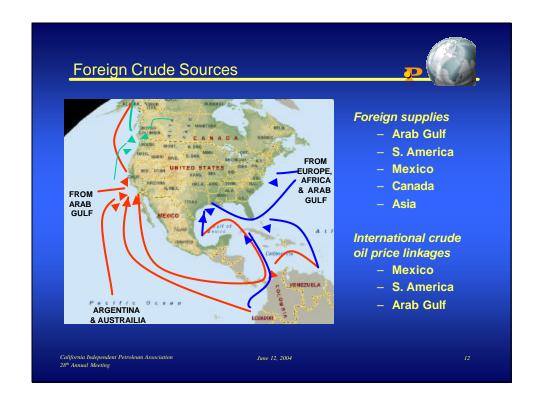


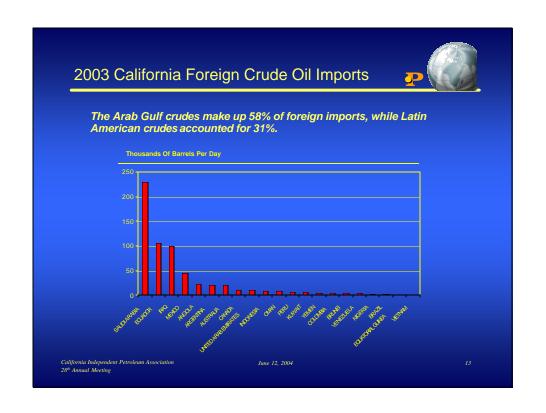


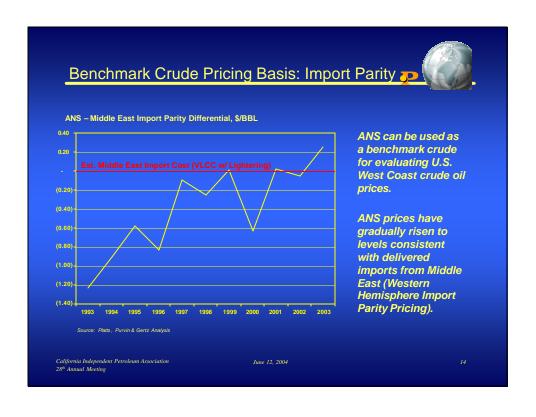




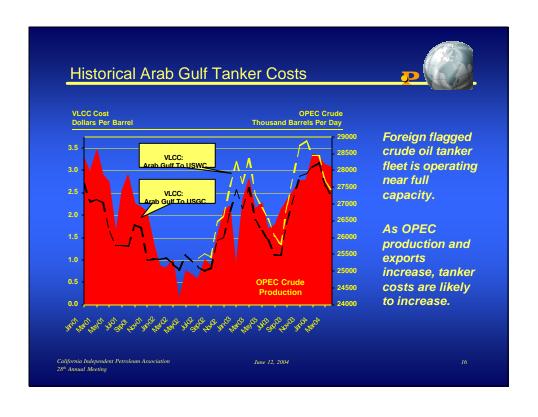


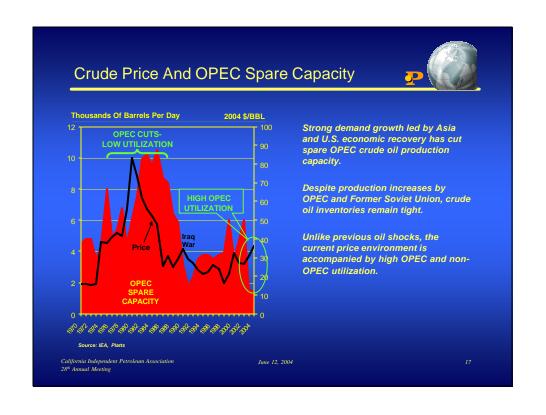


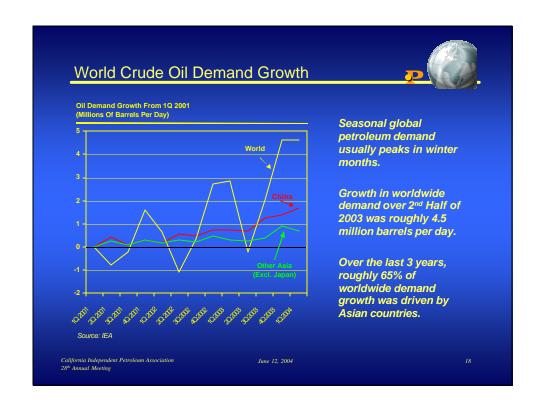


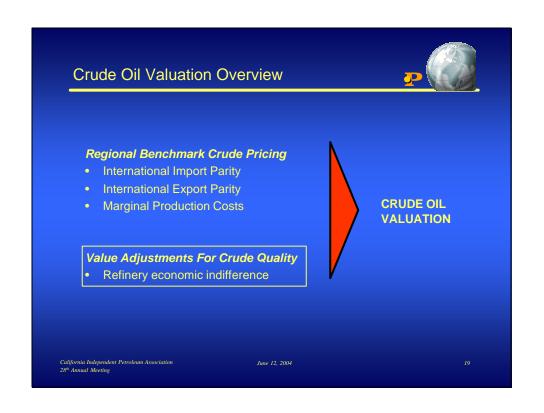


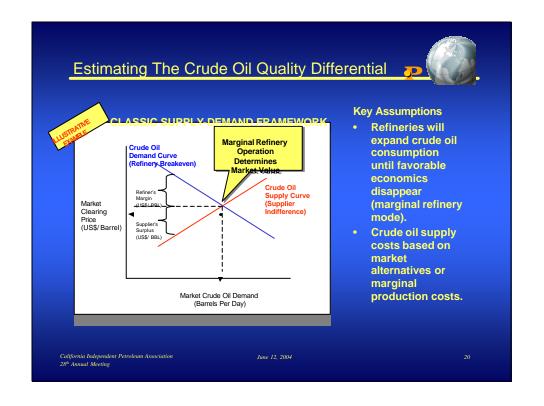


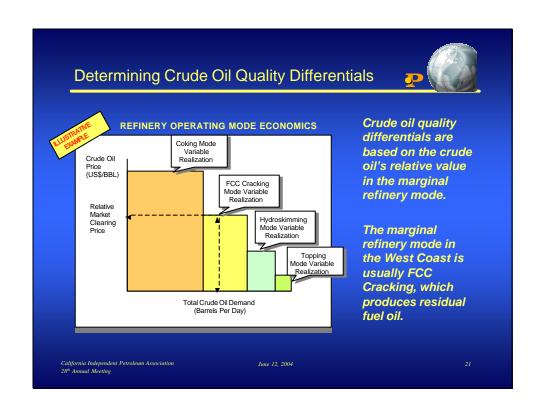


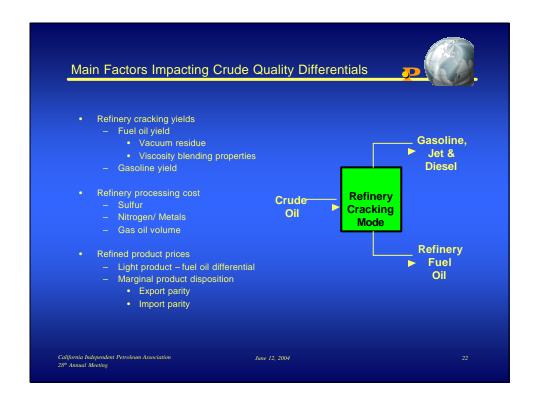












Recap



- California refineries are expected to expand as California product demand grows.
- Foreign crude imports will continue to increase as ANS and California supplies decline.
- Light sour crude oil from the Arab Gulf and Latin America will be the main source of foreign crude.
- Quality differentials for crude oils are usually dependent on the economics of the marginal refinery mode.

- Crude oil supplies in California are expected to follow import parity.
- Worldwide petroleum demand growth, particularly in Asia, has created a tight market for crude oil and tanker services.
- VLCC tanker costs from the Arab Gulf to the U.S. can have a significant impact California crude oil prices.

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Outlook And Comments



- Although significant risk exists, strong Asian demand growth is likely to continue requiring increases in worldwide production.
- Supply concerns related to Middle East tensions have recently moved crude oil prices beyond industry fundamentals.
- Iraq and Former Soviet Union are seen as the main wildcards for increased crude supplies.
- Near-term crude oil prices should ease as non-OPEC production increases in 2004 and 2005
- Long-run crude oil prices should more closely follow reserve development costs.
- Some California refiners may elect to import product rather than increase crude run due to high cost of expansion and difficulty with latest CARB specifications.

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