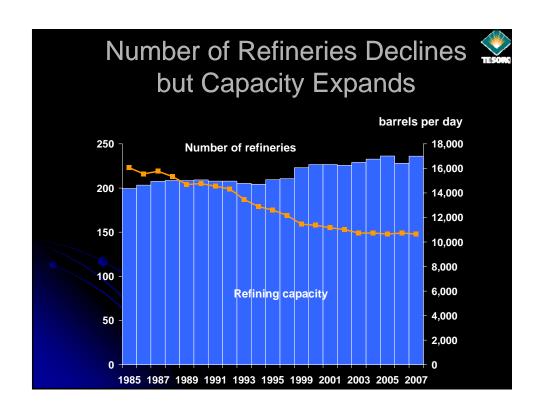






## **Industry Fundamentals**

- Demand is growing and will continue to grow
- Refining capacity is, effectively, fully utilized
- Markets are fragmented by government regulations
- Supply balance is tight
- Imports are growing



## Considerations for Building New Refineries

- Location
- Financing
- Federal, State and local permit process
- Crude oil supply and pipeline access (crude & products)
- Access to electrical, water, natural gas, etc.
- Community acceptance
- Will not help meet consumer demand in near term

## Refining Capacity: Why Expansion?



- Expansions can help meet demand more quickly
  - Up to 10 years for new; 3 years for expansion
- More cost-effective
  - ~ \$24K p/daily barrel v. \$ 15K
- Community established
  - Less NIMBY
- Infrastructure in place

