

COOK INLET- 2008 & BEYOND



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Marathon 

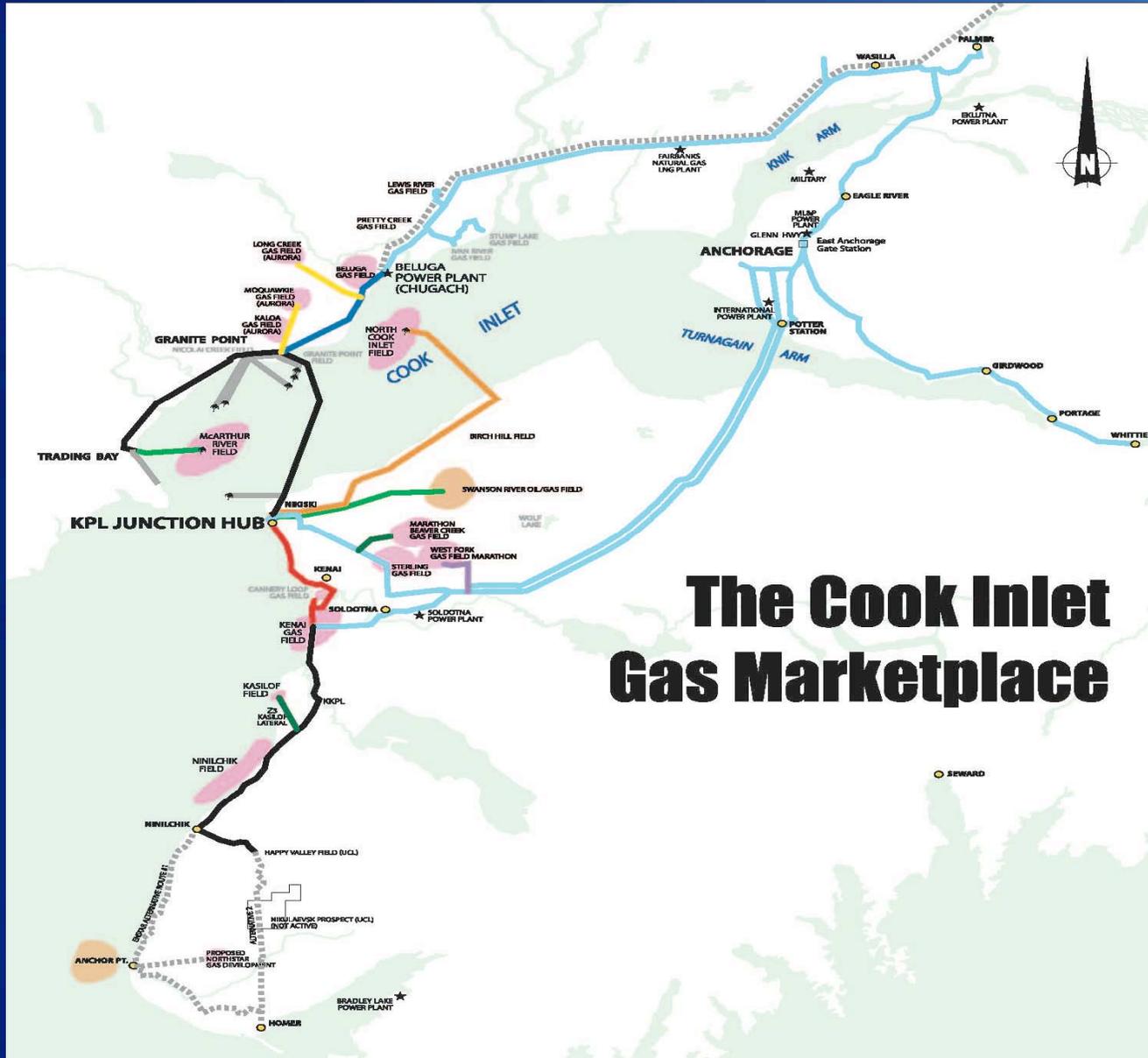
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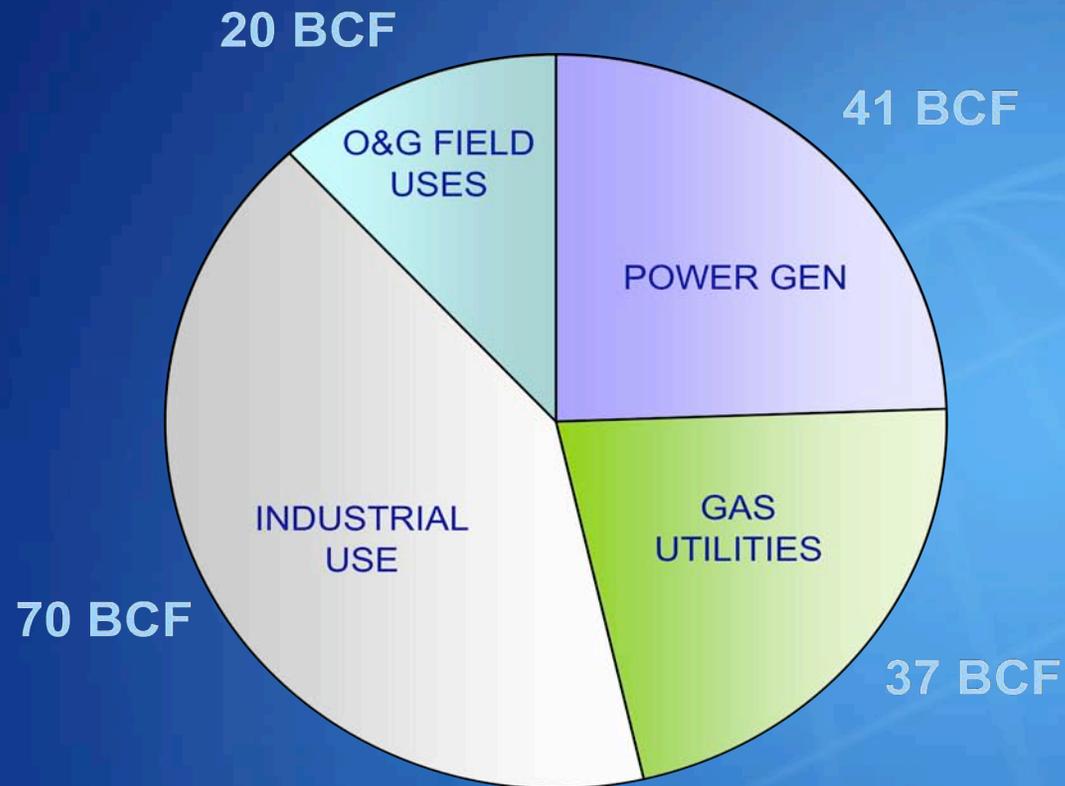
Cook Inlet Gas Supply : Today



Cook Inlet Gas Market Components



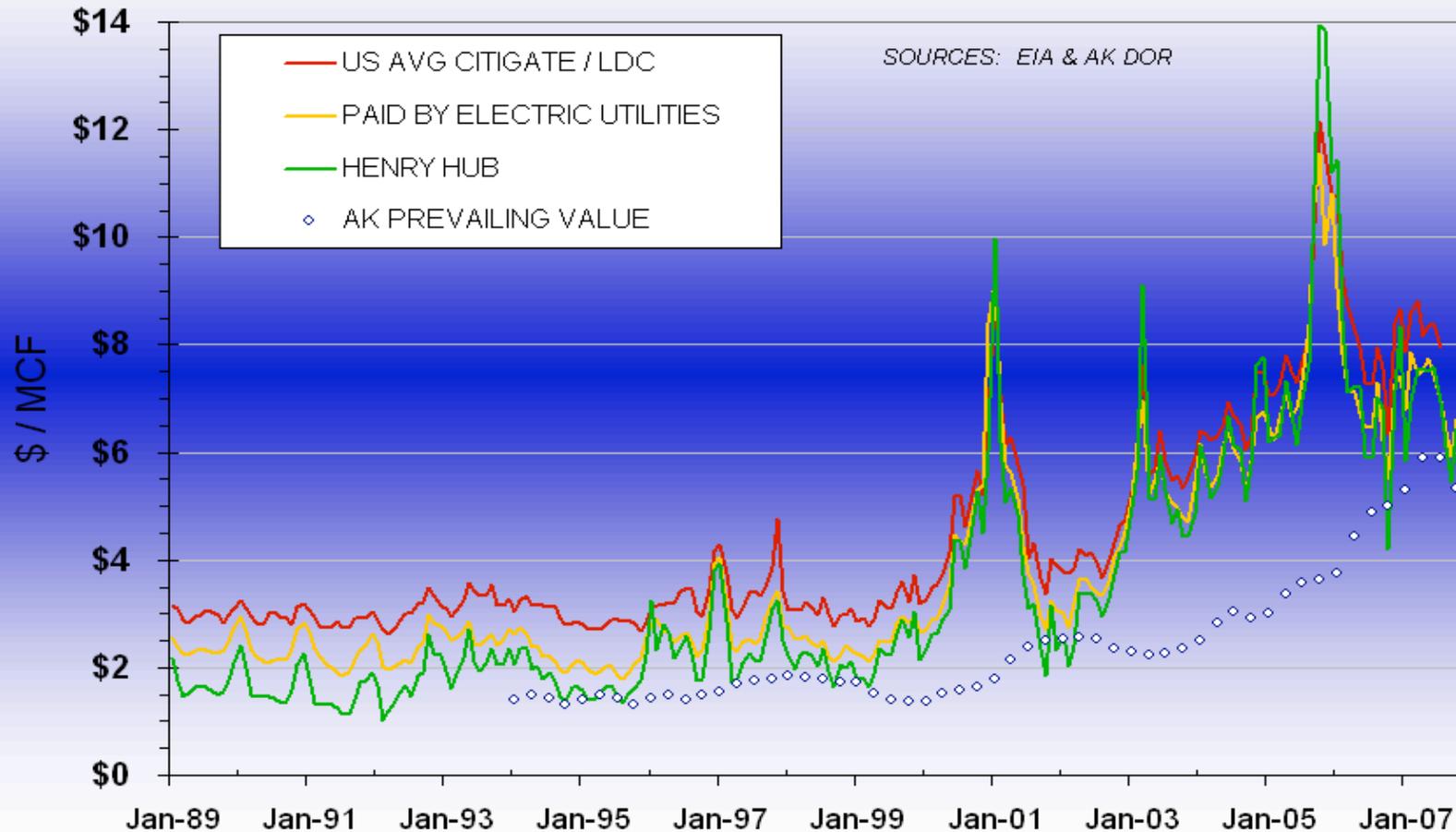
2008 Estimated Consumption
(Total 168 BCF)



Cook Inlet Market Fundamentals



**PRICES PAID BY L-48 UTILITIES
vs. ALASKA'S PREVAILING VALUE**



Present Day Practices



- ✓ To date, Enstar has required its key suppliers to meet its “full requirements”;
 - ✓ No price discrimination between baseload and peak deliveries
- ✓ With well cycling no longer an option in most cases, some producers have integrated moderate gas storage capabilities into existing operations to help facilitate these requirements.
- ✓ Producers also attempt to structure flexible sales contracts with other buyers (e.g. allowing temporary interruptions to non-critical load), to ensure peak utility demands are met on the coldest winter days.
 - ✓ The Kenai LNG plant has provided this service for several years.
 - ✓ The plant remains a critical component of supply security for South Central Alaska’s residential and commercial customers.

Cook Inlet : Looking to the Future



◆ Significant Remaining Resource Potential

– In existing fields

- 1,650 BCF Proven reserves remaining
(ADNR Feb. 2007)
- 515 BCF Probable
(N.S.A.I. January, 2007)
- 1,000 to 3,000 BCF reserve growth
(D.O.E. 1999)

– And/Or New Field Discoveries

- 1,005 BCF to 6,550 BCF Undiscovered Resource
(Potential Gas Committee – 2003)
- 13,000 to 17,000 BCF of additional recoverable gas potential
(D.O.E. 2004 – South Central Alaska Natural Gas Study)

Challenges to providing future Gas Supply from the Cook Inlet



- ✓ South Central Alaska gas prices, although improving, remain well below benchmark U.S. Markets
- ✓ Operations are remote, the environment is harsh, and activity levels are low
 - ✓ Higher development and operating costs are incurred
- ✓ Regulatory Practices are burdensome, expensive and very time consuming
- ✓ The Net result.....
 - ✓ The Cook Inlet is a relatively small market and is competitively disadvantaged given the current conditions

Challenge can lead to Opportunity



- ◆ *In the long term.....*
North Slope Gas is likely to play a significant role
- ◆ *Until then.....*
Suppliers, Buyers, and State Agencies must build the “Bridge” using “Cook Inlet Iron”
 - Let market forces work
 - Streamline Regulatory processes
 - Preserve market access for producers
 - Provide Incentives for risk takers
 - Exploration and/or Technology
 - Development of a portfolio of gas storage services
 - dictated by market driven fundamentals

The many roles of Gas Storage



- ✓ Seasonal swing (*depleted underground reservoirs*)-
 - ✓ Banks summer supplies to meet winter “baseload” needs;
 - ✓ Improves year round load factor of future pipeline, reducing end user costs by improving capital efficiency
- ✓ Winter peak shaving (*LNG peak shaver*)-
 - ✓ Provides “needle peak” supplies while allowing gas producing wells to flow at constant, more efficient rates;
- ✓ Reliability enhancement (*LNG peak shaver*)-
 - ✓ Increases the reliability of gas delivery systems by moving gas closer to markets, & downstream of potential pipeline constraints.

In Summary: C.I. 2008 & Beyond



- ✓ Substantial resources (perhaps as much as 17 TCF) remain to be discovered and developed in the Cook Inlet given an appropriate investment climate.
- ✓ The State of Alaska and Regulatory Agencies must streamline existing policy, and develop new policy that encourages growth and investment in Cook Inlet gas.
- ✓ The Kenai LNG plant, while in operation, will continue to provide “virtual” storage
 - ✓ A vital service, at least until other alternatives are developed.
- ✓ Development of additional “peak shaving” capability is critical for South Central Alaska’s consumers to “bridge” the gap to North Slope gas;
- ✓ Seasonal storage projects are also likely to play a key role.
 - ✓ When a “Spur” from the North is eventually built, its gas could refill Cook Inlet storage in the summer, & serve base-loads in the winter;
 - ✓ Using a “spur” pipeline year-round, —at a high load factor, —would improve capital efficiency, & thus reduce end user costs for South Central Alaska consumers.



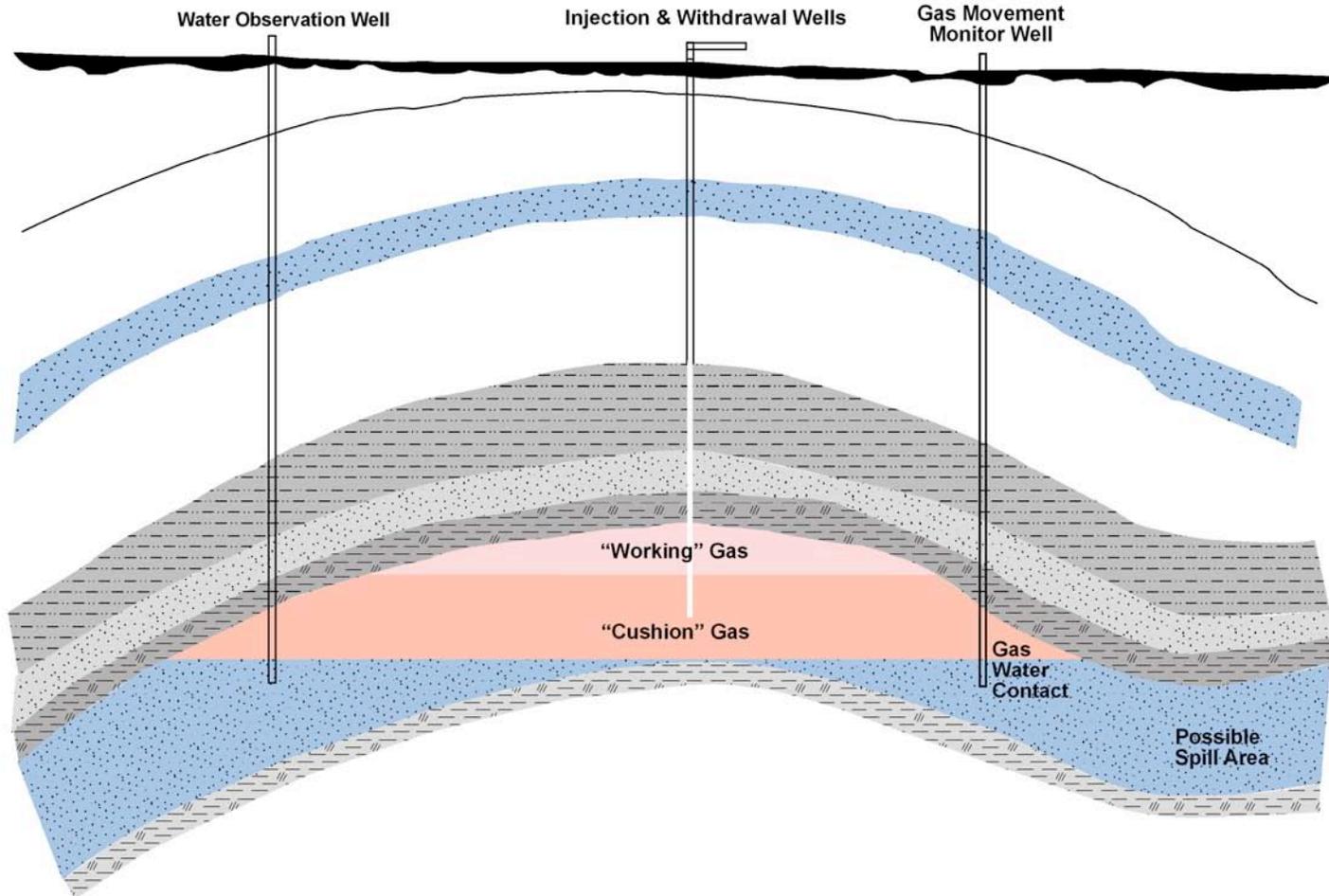
Marathon Oil Corporation
On the web at: “www.marathon.com”

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Gas Reservoir Dynamics



“Schematic of Gas Storage Reservoir”



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