

Resource Development Council January 15, 2009

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Director, Corporate & External Affairs



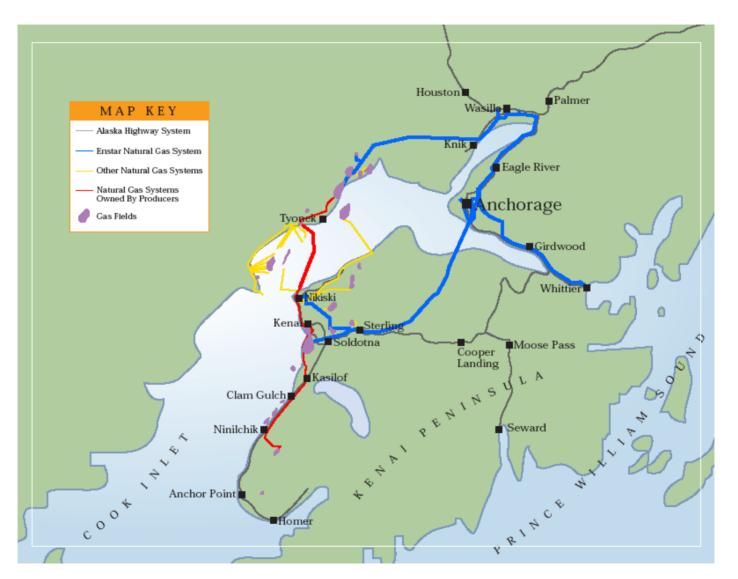
Who We Are – ENSTAR Facts

- Established 1961
- Number of Meters − 128,000+
- Number of Alaskans Served* 345,600
- Miles of Distribution Mains and Transmission Mains – 3,100
- Direct Impact on Alaska's Economy \$306 mil
- Number of ENSTAR Employees 180
- Rank among Alaskan energy Utilities 1
- New Customers in 2007 2,376

* 128,000 Meters x 2.7 Alaskan Consumers per Meter



South Central Gas Distribution





System Record Set Jan. 3, 2009

- ENSTAR Throughput (Record): 314.5 MMcf/d
- ENSTAR Gas Purchases (Record): 234.6 MMcf/d
 - Residential & Commercial Customers
- Commercial Transport: 21Mmcf/d
- Power Transport: 55.9MMcf/d
- Industrial Transport: 4 MMcf/d
- Average Temp. for Day: -11° F
- New Record Minimum High for the Day: -6° F

Note: Volume Information is Preliminary Based upon ENSTAR SCADA



ENSTAR System Peak Day Comparison

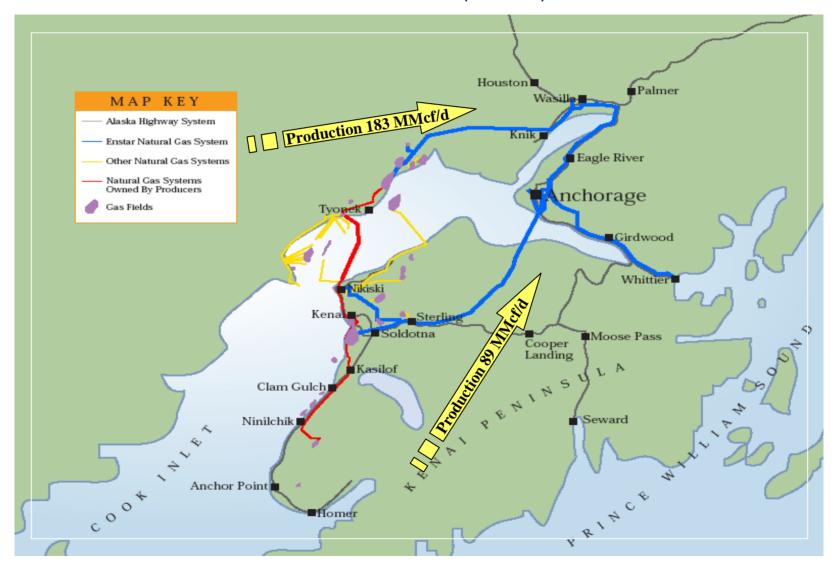
Volumes in MMcf

	2/3/99	1/9/07	1/3/09
Average Temp	-19º F	-10º F	-11º F
ENSTAR Throughput	272	292	314
ENSTAR Gas Sales	187	227	235
Commercial Transport	29	16	21
Power Transport	56	44	56
Industrial Transport	0	5	4



February 3, 1999

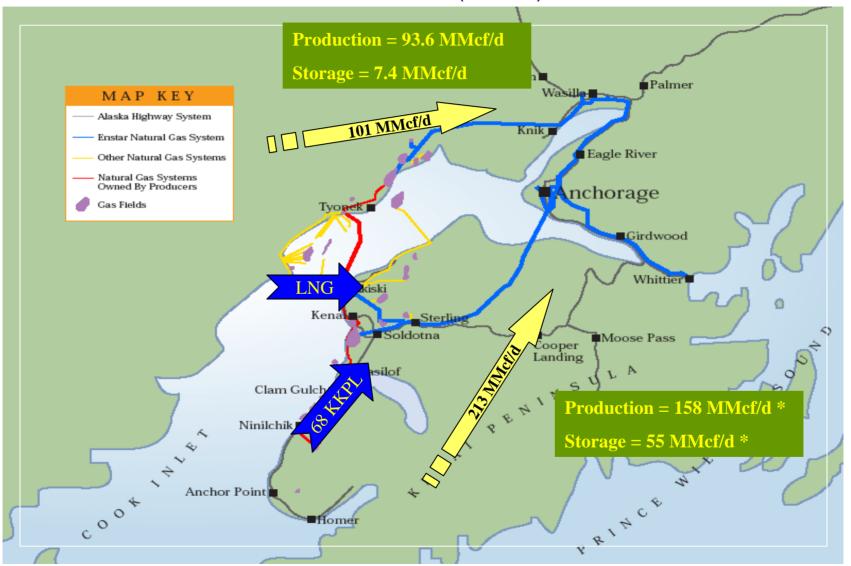
272 MMcf/d (-19° F)





January 3, 2009

314 MMcf/d (-11° F)

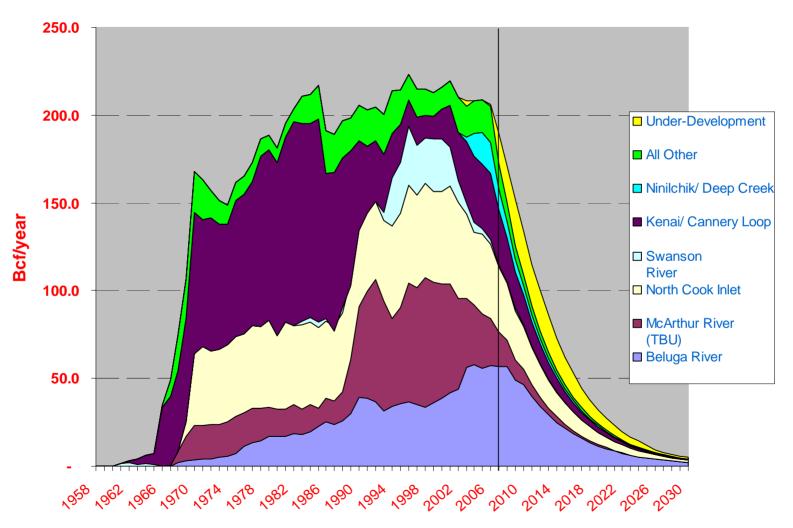




Historic & Projected Natural Gas Production

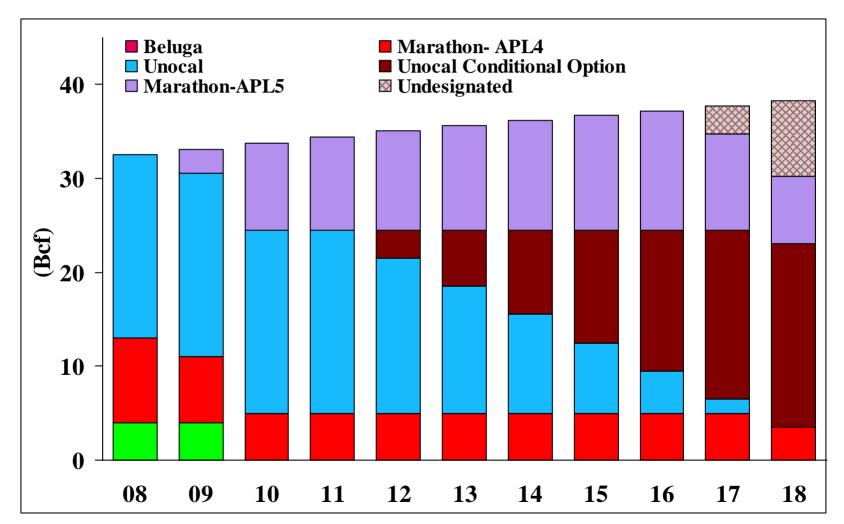
(Bcf/Year)

Source: Division of Oil & Gas Report 2006



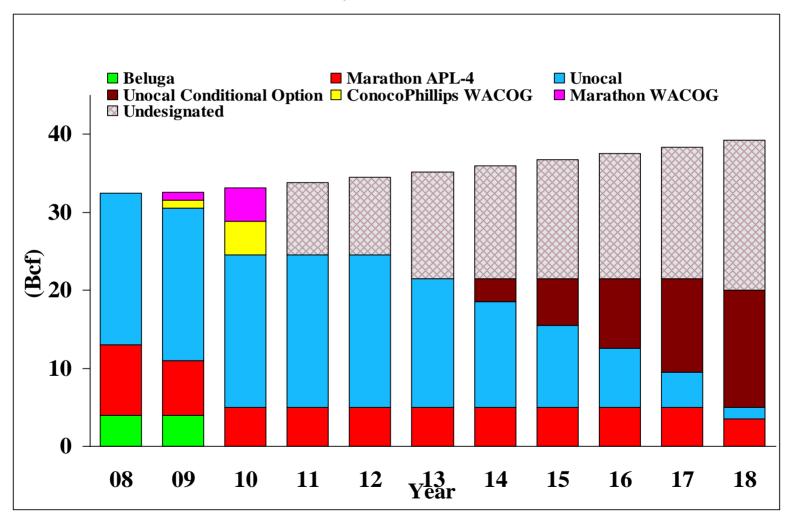


Gas Supply Marathon Contract (APL5)





Gas Supply Dec 22, 2008 Outlook



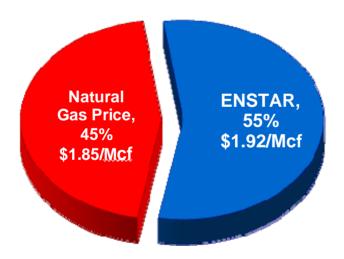


Cost Comparison

Percentage of Annual Bill

Cost Comparisons 1998

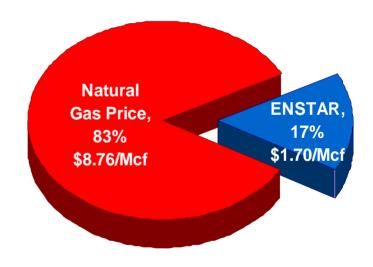
Average Bill = \$3.77/Mcf



^{*}Average Consumption per household in 1998 = 179 Mcf

Cost Comparisons 2009

Average Bill = \$10.46/Mcf*



^{*}Average Consumption per household in 2009 = 169 Mcf



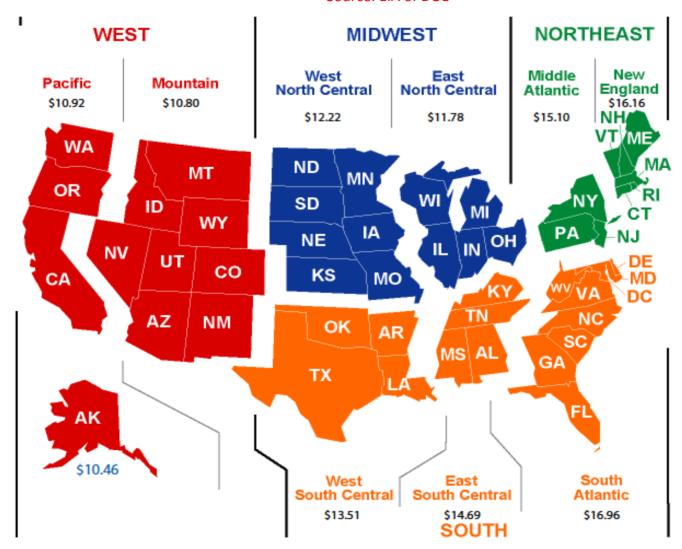


^{*}Average Annual Bill = \$675.00 (\$56.25/month)

^{*}Average Annual Bill = \$1834.00 (\$153.00/month)

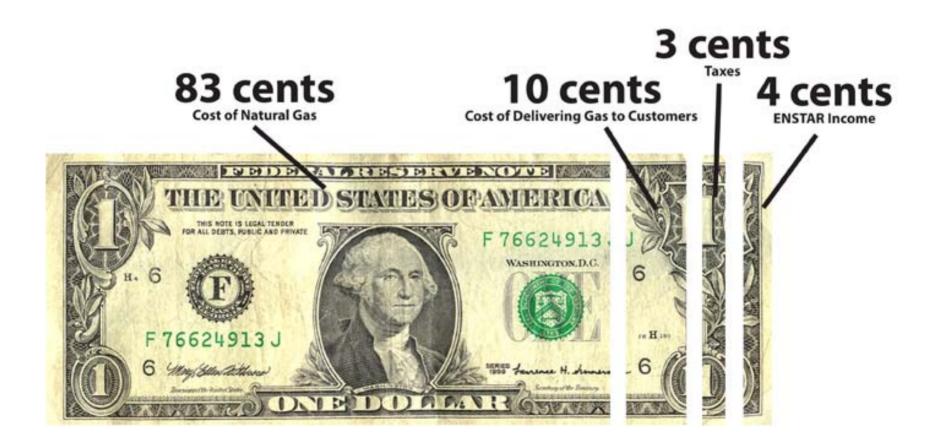
Residential Costs by Region

Average Natural Gas Cost for 2009(\$/Mcf)
Source: EIA of DOE



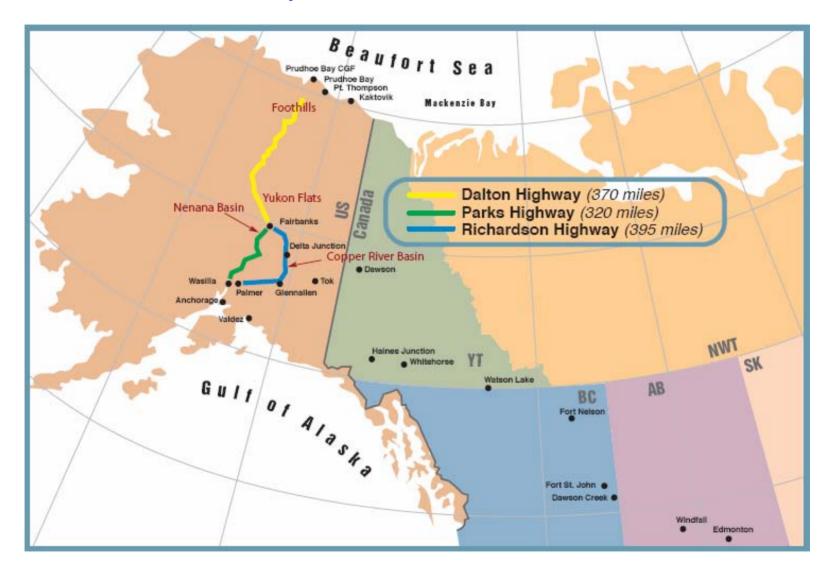


Where Your Heating Dollar Goes



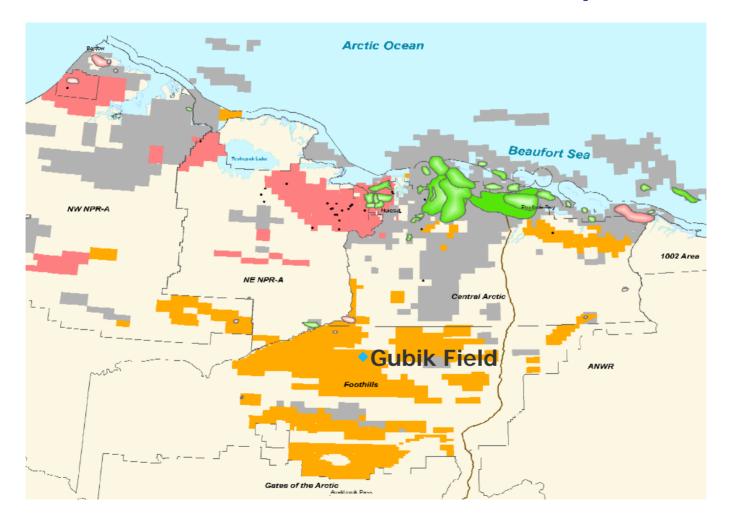


Natural Gas Options for Southcentral Alaska





Foothills Unit Area Map



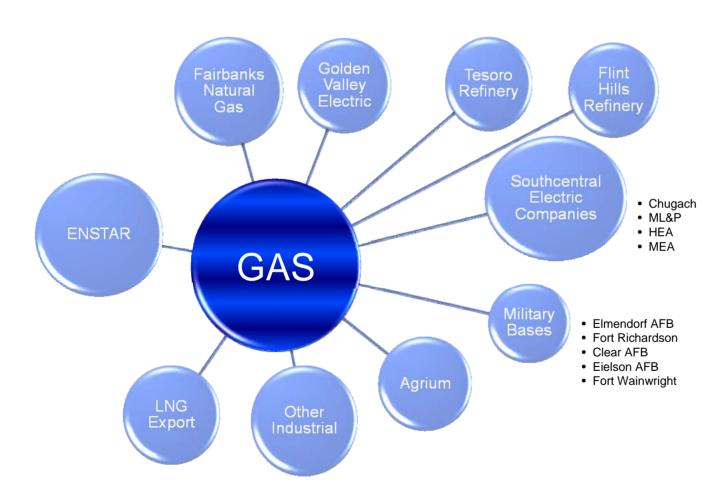


Advantages of the In-State Pipeline

- Timing
- Alaska controls its own destiny
- Long-term supply solution for the railbelt communities
- Not mutually exclusive with pipeline to Lower 48
- Compliments AGIA and the DENALI project
- Could revive Agrium plant
- Could extend life of Kenai LNG plant
- Creates opportunities for natural gas-based industrial growth in South-Central Alaska
- In-state markets qualify for lower tax burdens under Alaska's ACES
- Achieves reasonable end-user pricing for Alaskans
- Ensures sufficient wellhead prices for exploration & development



Accessible In-State Market





ENSTAR Team

Primary Project Consultants

- Michael Baker Jr., Inc. Engineering Baker
- ASRC Energy Services Environmental & Regulatory



Other Specialized Consultants

- DEM Services Cost Estimating & Construction Planning
- HC Price/CONAM Cost Estimating & Constructability Review
- Ward Whitmore & Associates Pipeline Hydraulics & Station Design
- Mike Metz & Associates Geotechnical & Seismic Consulting
- AeroMetric Aerial Photography & Lidar
- True Nature 3D Graphics
- Ray Krieg & Associates Permafrost & Terrain Unit Mapping

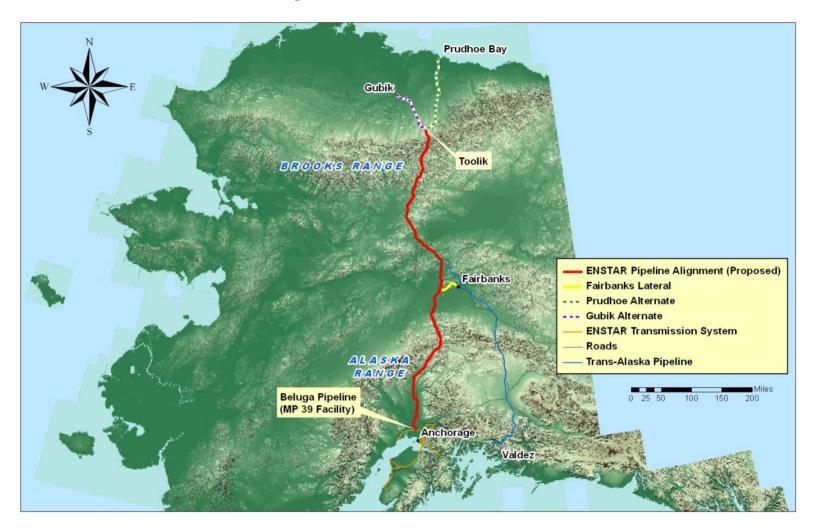


ENSTAR Pipeline

- Pipeline 690 miles
- Product* Sales Quality Natural Gas
- Gas Source** Gubik (in Foothills near Umiat)
- Diameter 20 inch
- Wall Thickness 0.496 inch
- Unit Weight 104 plf
- Steel Grade API 5LX70
- MAOP 2,500 psig
- Flow 500 mmscfd
- Stations 1-3 for startup (7 for full build out)
 - Operating pressure & design allow for additional hydrocarbon spiking
 - ** Alternate source is Prudhoe Bay area gas

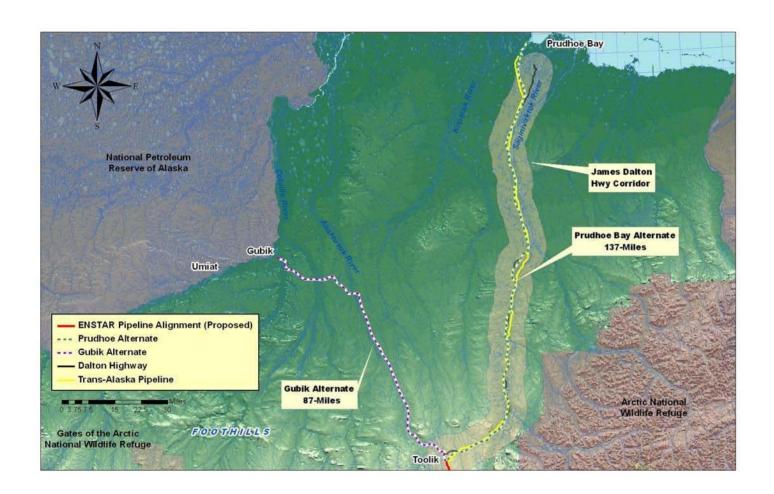


Proposed Route



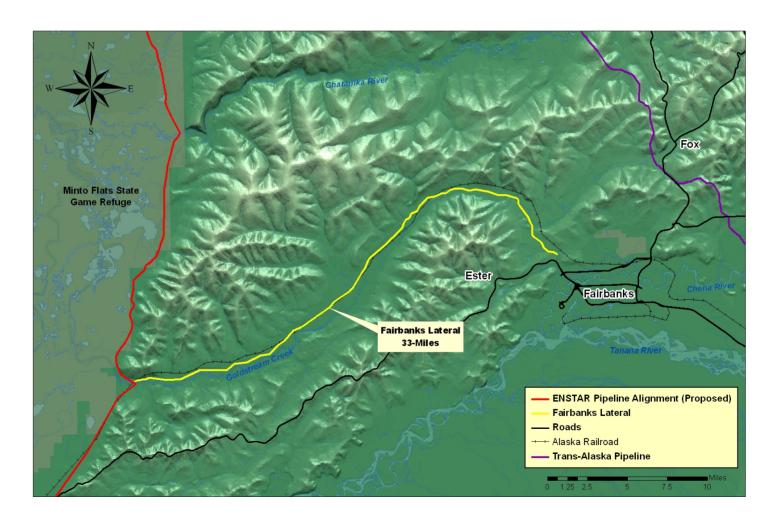


Mile Post One





Interior Alaska





Pipeline Route & Cost

- Parks Highway to Fairbanks
 - Approximately 320 Miles Cost \$970 million
- Richardson Highway to Fairbanks
 - Approximately 395 Miles Cost \$TBD
- Fairbanks to the Foothills
 - Approximately 370 miles
 - Dalton Highway Route

Cost \$2.3 Billion

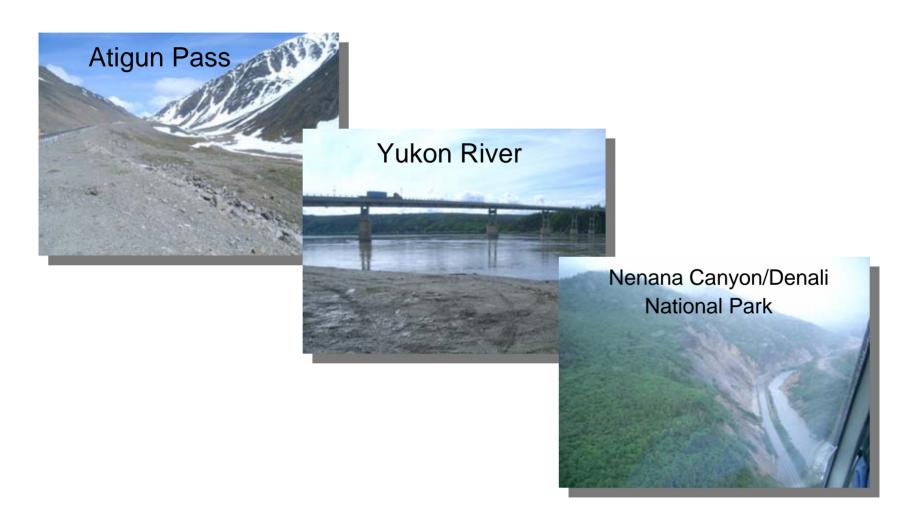


Total Project Cost - \$3.8 (+/-) Billion for 20" Diameter

New updated cost estimate due out in Q1 2009



Challenges and Pinch Points





2009 Development Plan

2009

- Complete Cost Estimate (March)
- Submit ROW applications (April)
- Submit DRAFT Environmental Evaluation Document (May)
- Environmental & Engineering Field Programs (May-Sept)
- Prepare economic & financial models
- Continue public outreach & public involvement
 - Alaska Support Alliance, Fairbanks Economic Development Corporation, Rotary Clubs, South Central Chambers, ASRC, CIRI, Doyon, KTUU, KTVA, Anchorage Daily News, Fairbanks Daily News Miner, Peninsula Clarion, Talk Radio Programs, Platts Gas Daily
 - Field Trips w/State DNR and Legislators (continuing in Spring, 2009)



Key Milestones for First Gas by 2015

2009

- Field Work
- •File State and Federal Applications
- Complete Environmental Evaluation Document (EED)
- •Preliminary Engineering

2010

- •Permit Support
- Complete EIS => Record of Decision
- •Preliminary/Detailed Engineering

2011

- Detailed Engineering
- Begin Procurement
- oRFP => Issue NTP
- •Preliminary Construction

2012-2014

•Pipeline Construction

2014-2015

•Pipeline Startup



Questions and Comments



