AK LNG
END OF SESSION UPDATE

Presentation to Senate Resources Committee
Juneau, Alaska › Thursday, April 16, 2015

Janak Mayer, Partner › janak.mayer@enalytica.com
Nikos Tsafos, Partner › nikos.tsafos@enalytica.com

http://enalytica.com

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Project Stage	Pre-FEED		FEED				Construction				Online		
Investment (Entire Project)	$400–$500 mm		$1,500–$2,000 mm (Equity)				$45–65 billion (Debt and equity)				O&M Met from cash flow		
Investment (State of Alaska)	$50–$125 mm		$200–$500 mm (Equity)				$6–$15 billion (Debt and equity)				O&M Met from cash flow		

FROM PRE-FEED TO FEED: THE NEXT 12-18 MONTHS

Technical	Conceptual design, route selection, narrowing of cost estimate, risk management
Regulatory	Export approvals, FERC permitting and input process from stakeholders
Commercial	Domestic gas, off-take and balancing, transportation services, LNG disposition, financing
Organizational	FEED-stage joint–venture agreements, governance agreements, lease modifications
Fiscal	Fiscal agreement, property tax

HOW DO COUNTER-PARTIES LOOK AT LNG PROJECTS?

WILL THE GAS SUPPLY BE RELIABLE?	How much gas do the sponsors have? What is the technical complexity of the resource? What is the gas quality (level of processing needed)? What factors might interrupt supply (technical or political)?
ARE THE SPONSORS CREDIBLE?	Do they have the technical capacity to execute project (track-record, complexity)? Do they have access to sufficient internal and/or external funds? Are they organizationally committed within their portfolios? What partnerships or commitments do they have (buyers, financiers, contractors)?
IS THERE STAKEHOLDER BUY-IN?	Does the sovereign support this project? Is the support durable and demonstrated tangibly? Does the local community support it (project footprint, engagement, NGO activity)? Is there a clear, speedy, and transparent regulatory and judicial review?
DOES THE ECOSYSTEM SUPPORT DEVELOPMENT?	Can the government manage approvals, negotiate contracts, corruption) Is there a physical risk to the infrastructure (personnel and assets)? Is there sufficient existing infrastructure (roads, ports, pipelines)? Is there a strong labor pool (visa restrictions) and auxiliary industries (local content)?
IS THE PROJECT COMMERCIALLY VIABLE?	What is the project's estimated cost relative to price expectations? What is the fiscal burden (government take and fiscal stability)? At what stage of development is the project? Do the project rewards offset the project risks?

RISK ASSESSMENT: AK LNG

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RISK ASSESSMENT: 'PLAN B' PROJECT (STANDALONE)

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RISK ASSESSMENT: CONCURRENT DEVELOPMENT

		AK LNG	'PLAN B'
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ARE THE SPONSORS CREDIBLE?	Do they have the technical capacity to execute project (track-record, complexity)? Do they have access to sufficient internal and/or external funds? Are they organizationally committed within their portfolios? What partnerships or commitments do they have (buyers, financiers, contractors)?	🔴	🔴
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PURSUING TWO PROJECTS IN PARALLEL IMPERILS BOTH

GENERAL ISSUES	The AK LNG partners are unlikely to sustain current spending levels if state is not committed Almost impossible to advance two projects at the cost of one The state will need more resources—and will need to balance between projects
REGULATORY WORK AND APPROVALS	Hard to secure approvals (FERC, DOE) for two projects at the same time Parallel community engagement will create confusion and complications
TECHNICAL AND DESIGN WORK	Competition between the projects likely to raise costs (suppliers, labor) Ownership of assets and intellectual property point to the need for two independent efforts
MARKETING GAS	Buyers will be very suspicious of seller marketing the same gas from two different projects Hard to see the state signing firm sales contracts while title to the gas remains unclear Hard for 'Plan B' to secure the gas while the AK LNG partners are marketing that same gas
SELECTING PARTNERS	List of likely partners is different (partial investor versus project sponsor) Very few projects are majority owned by the buyers—atypical project structure Almost no project where large IOCs with sizable resources sell at the wellhead
SECURING FINANCE	Financial discussions are unlikely to advance much before all other risks have been mitigated Lack of clarity about finance will limit ability to advance other aspects (investors, buyers, etc.)

IS THERE A BETTER WAY FOR ALASKA TO DEVELOP PLAN B?

ANY PLAN B UNLIKELY TO MAKE MORE PROGRESS THAN PLAN A

WHAT DO SPONSORS DO IF LNG PROJECT IS STALLED?

NEW PARTNERS OR TIME CAN MAKE A DIFFERENCE

PROJECT JUST DOES NOT MAKE SENSE

WAIT EXIT

EXAMPLES: SHTOKMAN (RUSSIA), IRAN/PARS, BRASS (NIGERIA), TRINIDAD X

PROJECT NOT A GOOD FIT FOR A PARTNER

REWORK WAIT NEW PARTNERS

EXAMPLES: QATAR, ANGOLA, SABINE PASS, GORGON

It makes more sense for the State of Alaska to develop one robust project and if it fails to advance because it doesn't meet the sponsors' financial needs, then the state could facilitate a change in ownership to push the project past the finish line

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