

DRAFT 2 (07September15)

TO: Alaska Oil and Gas Competitiveness Review Board

FROM: Tom Hendrix and Tom Maloney Infrastructure Committee

DATE: September 7, 2015

SUBJECT: Revised Outline, Oil and Gas-related Infrastructure Review

As an update, the following is a updated-draft outline of topics related to Alaska's oil and gas-related infrastructure that this committee will research and summarize into a final report for inclusion in the O&GCRB's next deliverable, due January 15, 2017.

I. PURPOSE AND SCOPE

- A. **What is the purpose of this section of the January 2017 report?** *The purpose and Scope of this report is to identify existing capabilities and capacities of the State/Federal and Private Sector. By identifying what is existing we can make recommendations to the Legislature of areas that we can improve or enhance our framework to build or modify and improve our competitiveness to develop the State and or Federal system to enhance development of our O&G Resources*
- B. **What is the scope of this section of the January 2017 report?** *The scope will be a review and preliminary recommendations for consideration. By no means will this be the final answer. In future O&GCRB reports the board will have a much more detailed recommendation. With changes and new opportunities for development this will be a look at what exists currently with preliminary thoughts (recommendations at the time of the report). Our focus will be tailored to what the State with potentially Federal matching funds can do to improve competitiveness.*
- C. **Define those areas of direct or indirect infrastructure that are not addressed in this section of the January 2017 report.** *What will not be covered in this report is a view of Communications Power, Utilities such as sewer and water or a hard look at private/public systems that currently exist in these areas. This is a preliminary look mainly surrounding Transportation, Ports, Airports, Road Access, Bridges and Pipeline Infrastructure that has saleable capacity for product movement.*
- D. **Terms of reference** (terminology, acronyms, abbreviations, etc.)

II. DEFINITIONS OF “OIL AND GAS-RELATED INFRASTRUCTURE”

A. Global definition of this term -The basic physical systems of a business or industry. Transportation, communication, sewage, water and electric systems are all examples of infrastructure. These systems tend to be high-cost investments; however, they are vital to the States economic development and prosperity.

B. Alaska components of oil and gas-related infrastructure

1. Existing and planned State and Federally operated infrastructure

- i. **Ground infrastructure** – *To include Roads, Bridges, Airport and Port Facilities, both current state and known planned improvements that would facilitate access for O&G related projects on the Mainland Statewide.*
- ii. **Air infrastructure** – *To include State/Federal Airports that are utilized for support of the O&G industry to include Deadhorse, Fairbanks International, Anchorage International, Kenai and Valdez.*
- iii. **Energy infrastructure** – *Nothing State of Federal at this time.*

2. Existing and planned Public-Private Consortium infrastructure

- i. **Ground infrastructure** – Existing Private Road System on North Slope and access to Private Lands in Middle Earth and Kenai
- ii. **Air infrastructure** – Look at the Beluga Airstrip for Cook Inlet
- iii. **Marine infrastructure** – Private Dock Facilities that support industry in Nenana, Kenai (Cook Inlet) and North Slope (Oliktok and West Dock)
- iv. **Energy infrastructure** – Pipelines in two of the three regions that have saleable capacity whereas the Private Owner(s) desire to sell or give access to other developers/producers.

III. NORTH SLOPE INFRASTRUCTURE

A. Existing and planned State/Federal Infrastructure

1. Ground infrastructure
2. Air infrastructure
3. Marine infrastructure
4. Energy infrastructure
5. Deficiencies

B. Existing and planned Private Infrastructure

1. Ground infrastructure
2. Air infrastructure
3. Marine infrastructure
4. Energy infrastructure

IV. COOK INLET INFRASTRUCTURE**C. Existing and planned State/Federal Infrastructure**

6. Ground infrastructure
7. Air infrastructure
8. Marine infrastructure
9. Energy infrastructure
10. Deficiencies

D. Existing and planned Private Infrastructure

1. Ground infrastructure
2. Air infrastructure
3. Marine infrastructure
4. Energy infrastructure
5. Other Infrastructure

V. FRONTIER BASIN INFRASTRUCTURE**A. Existing and planned State/Federal Infrastructure**

1. Ground infrastructure
2. Air infrastructure
3. Marine infrastructure
4. Energy infrastructure
5. Other Infrastructure

B. Existing and planned Private Infrastructure

1. Ground infrastructure
2. Air infrastructure
3. Marine infrastructure
4. Energy infrastructure
5. Other Infrastructure

VI. CONCLUSIONS

A. Strengths of Alaska oil and gas related infrastructure

B. Weaknesses of Alaska oil and gas related infrastructure

VII. RECOMMENDATIONS

A. North Slope

B. Cook Inlet

C. Frontier Basin

VIII. REFERENCES

A. Referenced Cited in this report

B. Other useful references related to Alaska's oil and gas infrastructure

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