



# ALCOM Energy Program

## ■ Small Modular Reactors

- Coordinated effort between Department of Energy at Idaho National Laboratory and ALCOM
- SMR initiative will provide Energy Resilience to DoD bases in Alaska's Interior
  - Lead green energy production
  - End fossil fuel dependence
  - Create long term value to taxpayers
- NuScale 44MWe SMR design approval 2020, production 2022

## ■ DOE Energy Study Request

- National Arctic Strategy Implementation Plan calls for focus and development of renewable energy
- Alaska needs an **"ALL OF THE ABOVE"** study
- Study requested by Gen Jacoby Sept 2014. DOE response expected Mar 2015

***The US Department of Energy is willing to conduct a holistic study of energy resources, usage, and projected needs in Alaska***

# 2013 Total Energy Costs Analysis

Clear AFS  
0.8 MMBtu  
\$10.5M  
\$13.13/MMBtu

Ft Wainwright  
2.5 MMBtu  
\$57.5M  
\$22.8/MMBtu

Eielson AFB  
1.5 MMBtu  
\$29.0M  
\$19.9/MMBtu

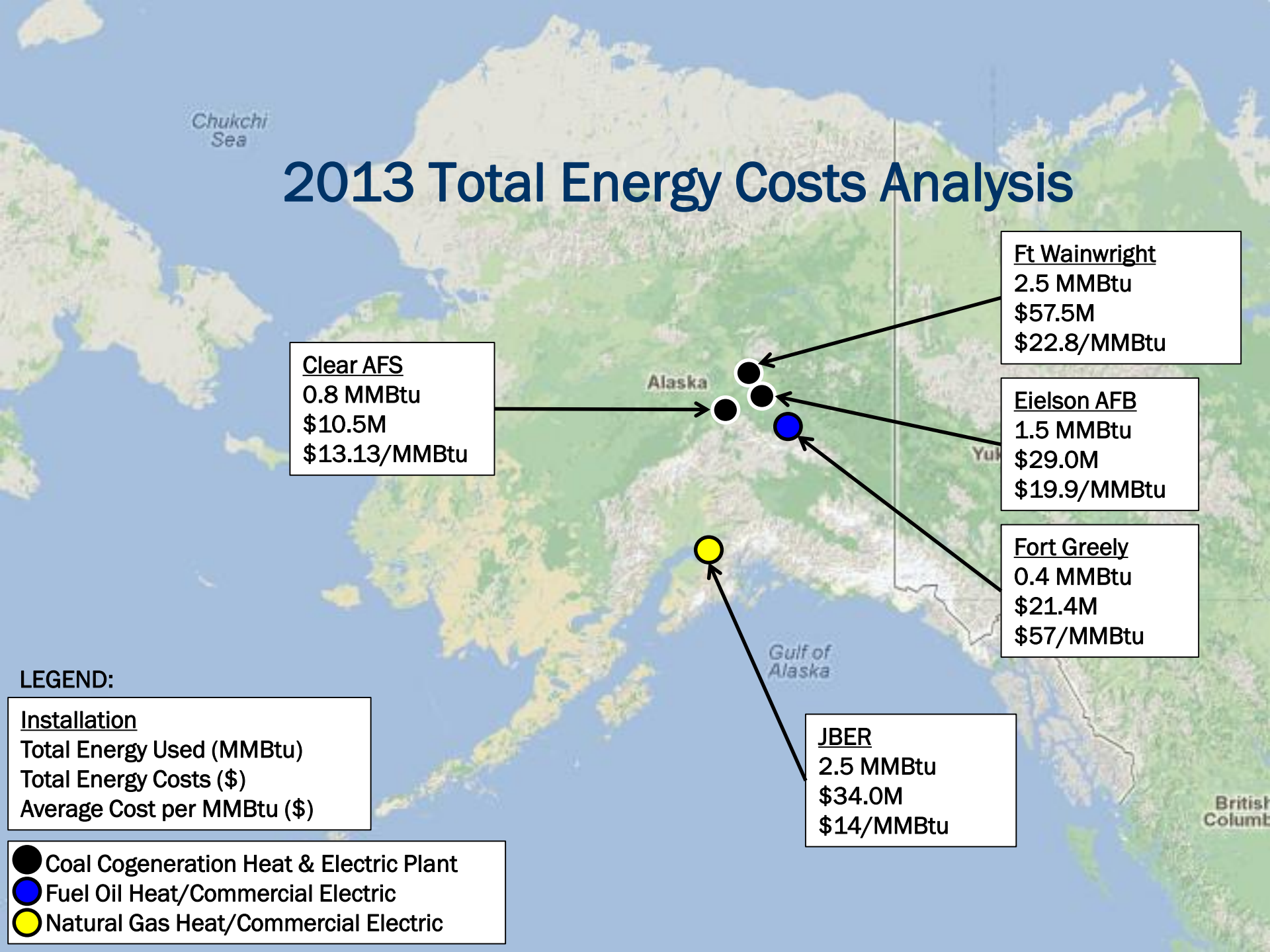
Fort Greely  
0.4 MMBtu  
\$21.4M  
\$57/MMBtu

JBER  
2.5 MMBtu  
\$34.0M  
\$14/MMBtu

## LEGEND:

Installation  
Total Energy Used (MMBtu)  
Total Energy Costs (\$)  
Average Cost per MMBtu (\$)

- Coal Cogeneration Heat & Electric Plant
- Fuel Oil Heat/Commercial Electric
- Natural Gas Heat/Commercial Electric







### JPARC Record of Decision Preferred Alternatives:

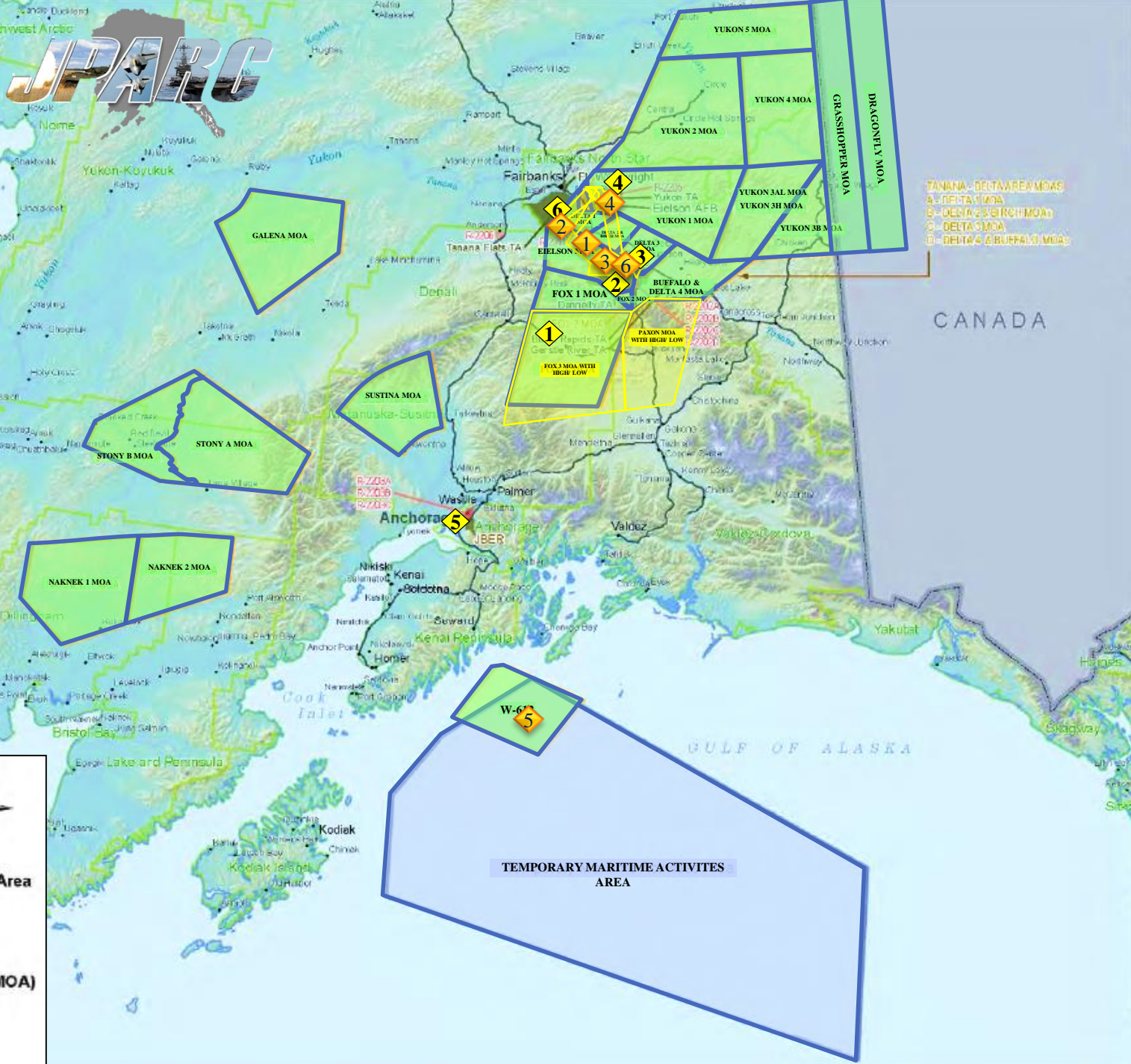
- 1 FOX 3 & PAXON MOA Extensions
- 2 Realistic Live Ordnance Delivery
- 3 Battle Area Complex Restricted Area
- 4 Expansion R2205 Yukon Training Area
- 5 Night Joint Training
- 6 Unmanned Aerial Vehicle Access

### JPARC Record of Decision Programmatic Actions:

- 1 Enhanced Ground Maneuver Space
- 2 Tanana Flats Training Area Roadway Access
- 3 Joint Air-Ground Integration Complex
- 4 Intermediate Staging Bases
- 5 Missile Live-Fire for AIM-9 and AIM-120
- 6 Joint Precision Airdrop System-DZs

### Legend

- Major Road
- Major River
- Alaska Borough / Census Area
- Gulf of Alaska Temporary Maritime Activities Area
- Restricted Area
- Military Operations Area (MOA)
- Warning Area
- Military Training Area



TANANA-DELTA AREA MOAs  
A - DELTA 1 MOA  
B - DELTA 2 & 3 BIRCH MOAs  
C - DELTA 3 MOA  
D - DELTA 4 & 5 BUFFALO MOAs

TEMPORARY MARITIME ACTIVITIES  
AREA





# FOX 3 Expansion/New PAXON MOA

