

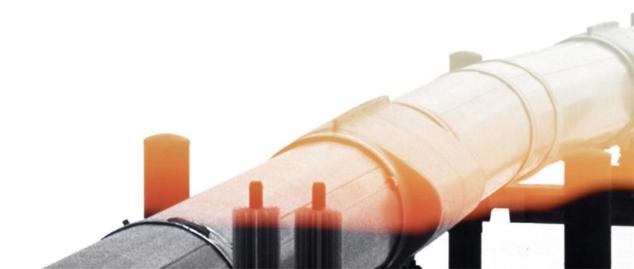


• FUELING THE 49TH STATE •

ALYESKA PIPELINE SERVICE COMPANY

### **How is TAPS doing?**

- Continuing to meet the operational challenges
  - 40-year-old infrastructure in a unique Alaska environment
  - Low oil throughput well below TAPS capacity
  - 2016 increase is good news for Alaska
- Environment
  - Continued commitment to environment and conservation
  - Valdez Marine Services-Edison Chouest contract
- Strong, prudent business performance
- TAPS people, TAPS Pride



## Managing aging infrastructure

#### Ongoing system renewal:

- Completed electrification and automation at Pump Station 1; final E&A project
- Replaced flare tip at Pump Station 1
- Four-year valve testing program completed to assure integrity of 176 mainline valves
- Completed underground pipe inspections at pump stations
- Inspected multiple storage tanks
- Began buried pipe inspection at Valdez
   Marine Terminal
- Increased maintenance pigging, integrity inspection digs and conducted 'smart pig' run
- Completed replacement of loading arms on berths at Valdez Marine Terminal





The increase continued in January and February

## Managing throughput decline

#### **Managing challenges:**

- Throughput increased in 2016: 517,868 BPD
- Not by chance: required planning, producer investment, strong maintenance practices
- Cold weather operations
- Water and wax issues

#### **Implementing solutions:**

- Slip stream heat installed and used successfully at Remote Gate Valve 65
- Installed methanol injection ports for cold weather contingency
- Installed Canty testing devices to better characterize wax
- Continued recirculation, as needed, at Pump Stations 3, 4, 7 and 9 to add heat





## **Environmental Stewardship**

- Staged over 180 readiness and response drills along the pipeline and in Prince William Sound
- Trained 1,800 people from 444 Alaska fishing vessels in spill response tactics

 Surveyed 686 fish streams and made needed repairs to ensure safe fish passage Alyeska's people have an unwavering commitment to protecting Alaska's environment.



## Conservation







## **Marine Operations**

Nearly 22,000 tankers have loaded at the Valdez Marine Terminal, carrying more than 17 billion barrels of oil to market.



# Improving Long-Term Capability Valdez Marine Services

- Edison Chouest Offshore
  - Approved contract in August, 10-year term, beginning July 2018
  - Industry leader in safety and environment
  - More modern equipment, flexible capabilities
- Transition
  - Commitment to protecting the environment, culture and resources of Prince William Sound during and beyond the contract transition.
  - 2-year transition underway
  - Active stakeholder engagement
- New vessels
  - 5 new escort tugs
  - 4 new general purpose escort tugs
  - New response barges
  - Ross Chouest utility tug (new to PWS)



# **TAPS People, TAPS Pride**



### TAPS People, TAPS Pride

#### Who we are:

- 70 percent of our contract partner companies are headquartered in Alaska
- 94.6 percent of Alyeska employees live in Alaska
- 20 percent are Alaska Native; 30 percent are women; 33 percent are minorities
- Strong partnerships with Alaska Native people, corporations and programs (such as ANSEP)

#### TAPS people are:

- Committed to safety and protecting the environment
- True-grit Alaska professionals who are smart, tough and proven problem-solvers, leveraging teamwork and ingenuity
- Engaged in communities, financially and personally

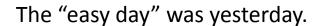
Our people understand that not just what they do, but how well they do it, matters enormously.



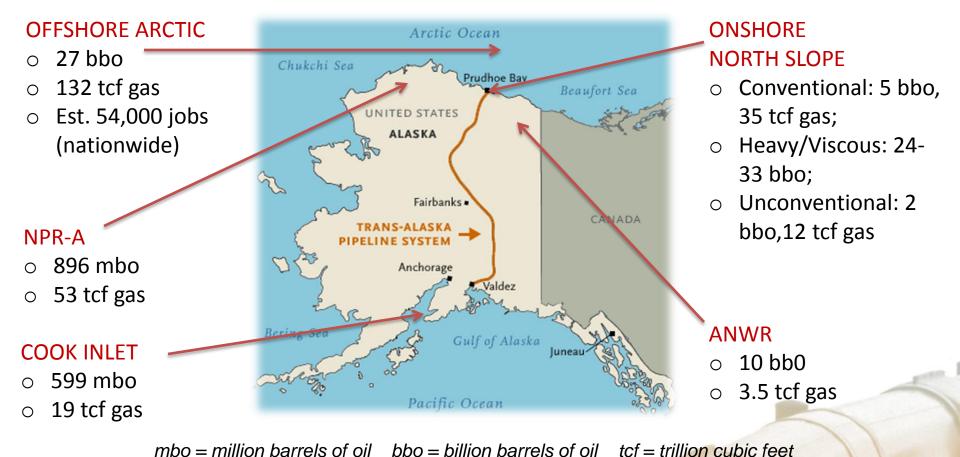
#### **TAPS Future**

- Increased Alaska oil throughput the key to TAPS long-term sustainability
- This doesn't happen by chance
- Alaska has abundant energy resources
- TAPS future depends on:
  - Federal and state willingness to make resources available
  - Federal and state regulatory processes that are simpler and better coordinated
  - Competitive business environment in today's world
  - Strong working partnerships across the board





#### **Abundant Resources**











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