



**Toolik Field Station**

# **Long Range Facilities Plan**

**Science Support Vision Workshop**

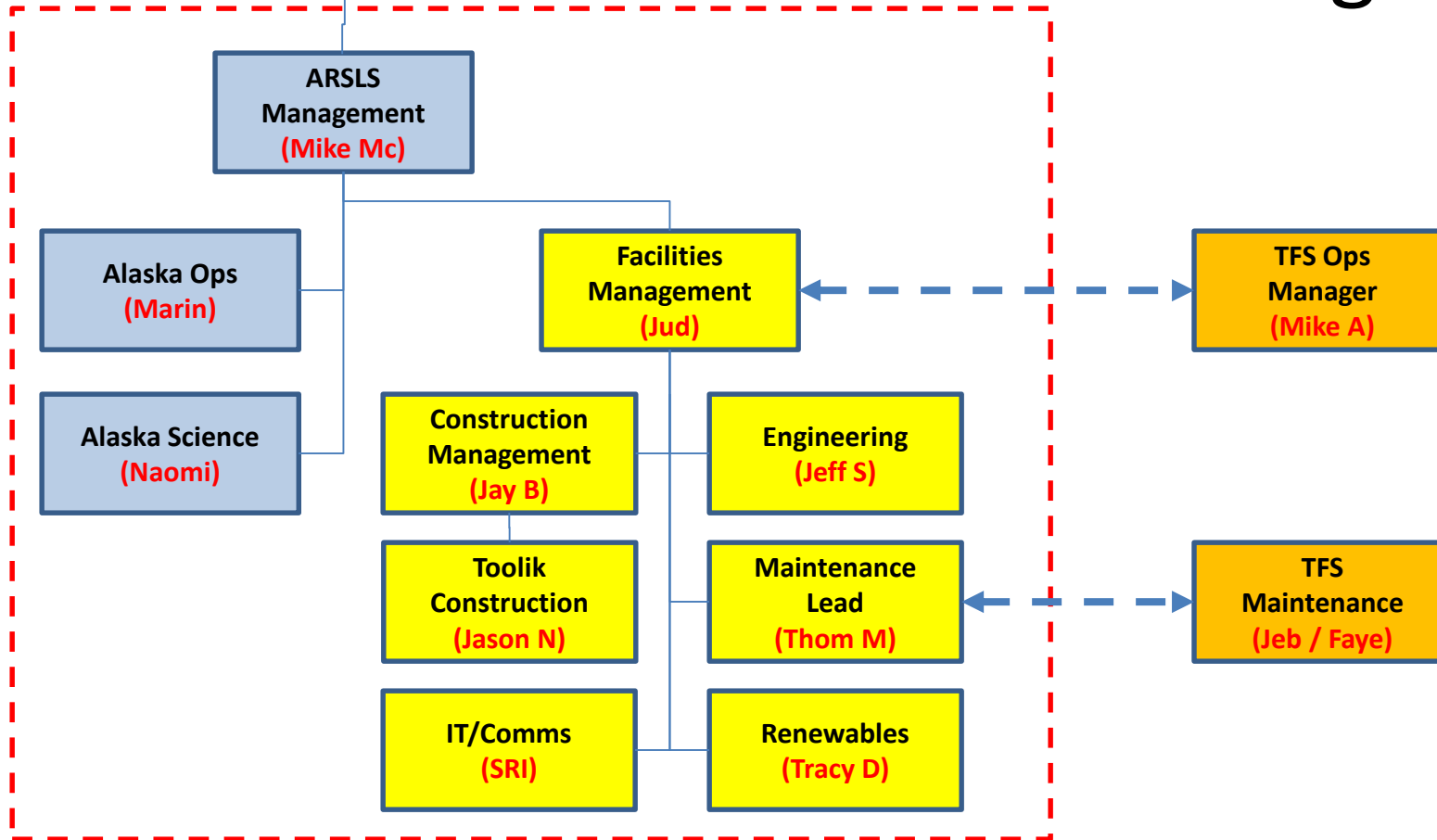
**August 2012**





CPS

## Org Chart





# LRFP Timeline and Status

- In development since 2009
- Draft Final document distributed 2011
- Feedback received from stakeholders
- Final review/approval underway
- A “Living Document”, revised as necessary in the future



# Why “Finalize” the LRFP?

- Environmental Assessment (EA) required for new construction
  - EA must reference a comprehensive document for site development (eg – LRFP)
- Planning and funding for large capital projects requires long lead times
- Demonstrates a strategic vision and plan in the event new funding comes available



# Capital Project Categories

- **Residential**
  - Dorm
  - Bungalow
- **Science**
  - Laboratories
  - Lecture Hall
  - Workshop
- **Site/Support Infrastructure**
  - Garage
  - Generator Waste Heat Recovery
  - Road Lift/Realignment



# Capital Project Approach

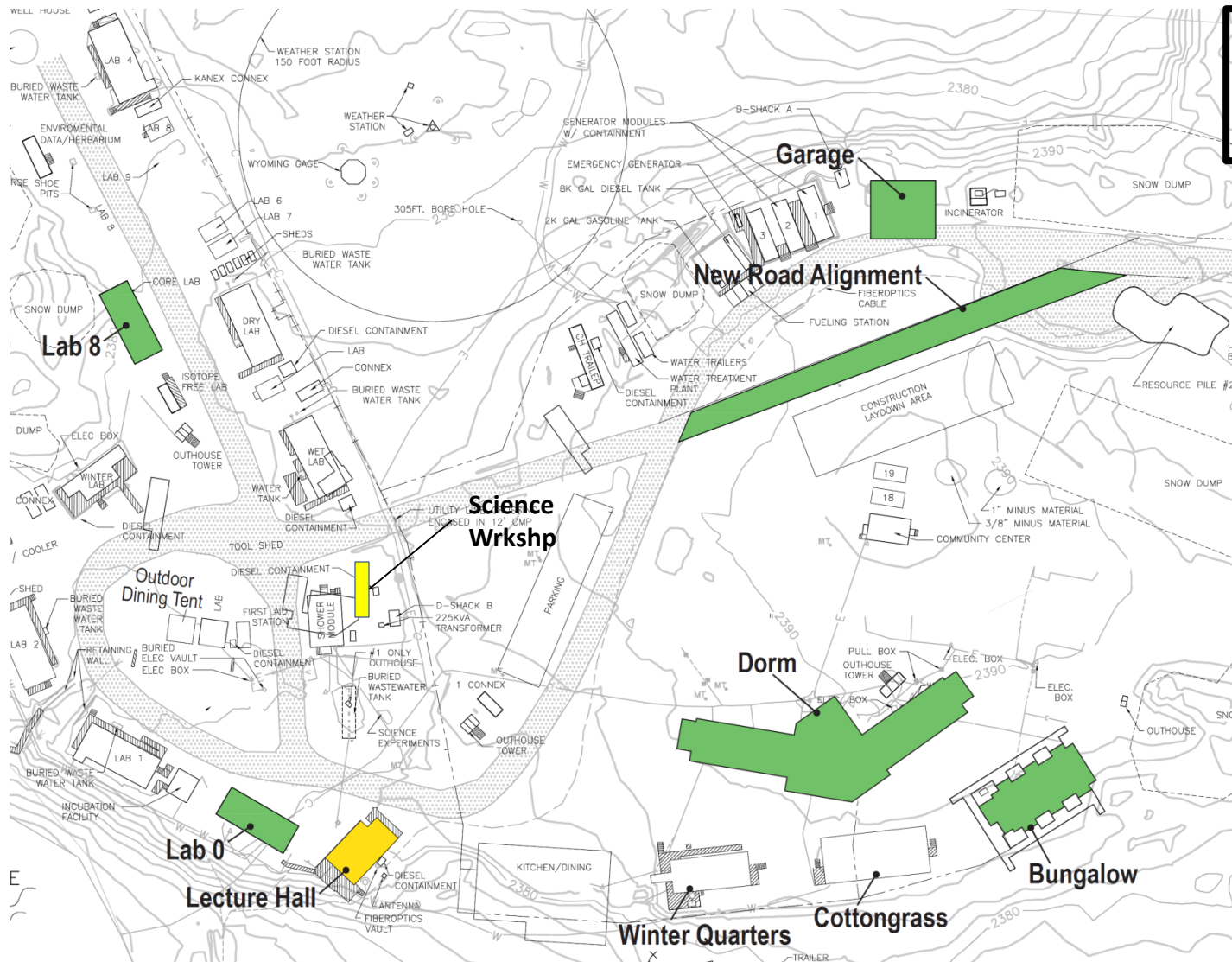
- **Residential**
  - Dorm *New Construction*
  - Bungalow *New Construction*
- **Science**
  - Laboratories *New Construction*
  - Lecture Hall
  - Workshop
- **Site/Support Infrastructure**
  - Garage *New Construction*
  - Generator Waste Heat Recovery *New Construction*
  - Road Lift/Realignment *New Construction*



# Capital Project Approach

- **Residential**
  - Dorm *New Construction*
  - Bungalow *New Construction*
- **Science**
  - Laboratories *New Construction*
  - Lecture Hall *Repurposed Facilities*
  - Workshop *Repurposed Facilities*
- **Site/Support Infrastructure**
  - Garage *New Construction*
  - Generator Waste Heat Recovery *New Construction*
  - Road Lift/Realignment *New Construction*

# TFS Long Range Facilities Plan



	<b>New</b>
	<b>Repurposed</b>



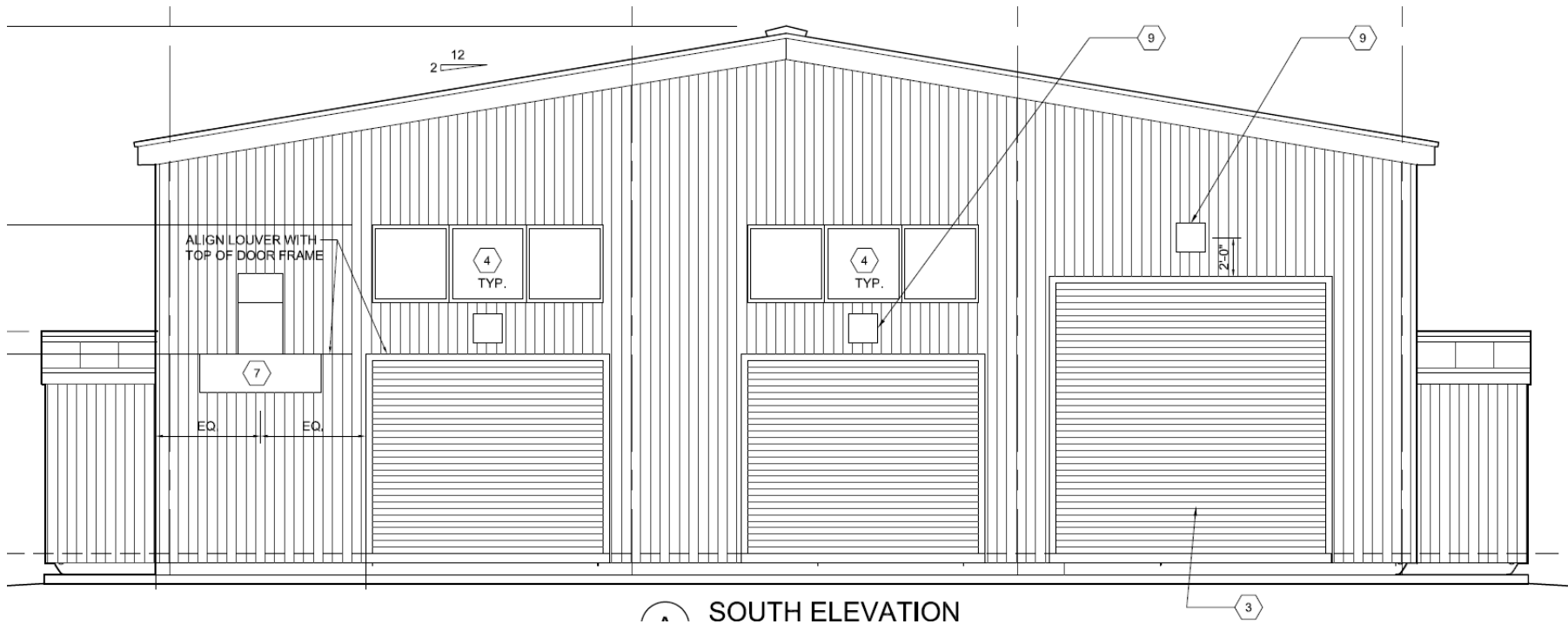
## Initial Capital Projects

- **Dorm A**
  - Two-story. Two wings. 24 rooms per wing. Total of 48 rooms. Two bed spaces per room = 96 potential bed spaces. Year-round capable
  - Central common areas (core) on both floors
- **Garage**
  - 3-bay. 2300 ft<sup>2</sup>. Year-round.
- **Lab**
  - Requirements still to be defined
- **Waste Heat Recovery**
  - Generator waste heat used for Garage heating

# Dorm



# Garage



# Bungalow



# Initial Capital Project Timeline

Project	2012	2013	2014	Beyond
Dorm A	Design Site Prep	Construction		Bungalow
Garage	Design	Construction		
Lab 0		Design Site Prep	Construction	Lab 8
Waste Heat Recovery	Design Complete		Construction	