

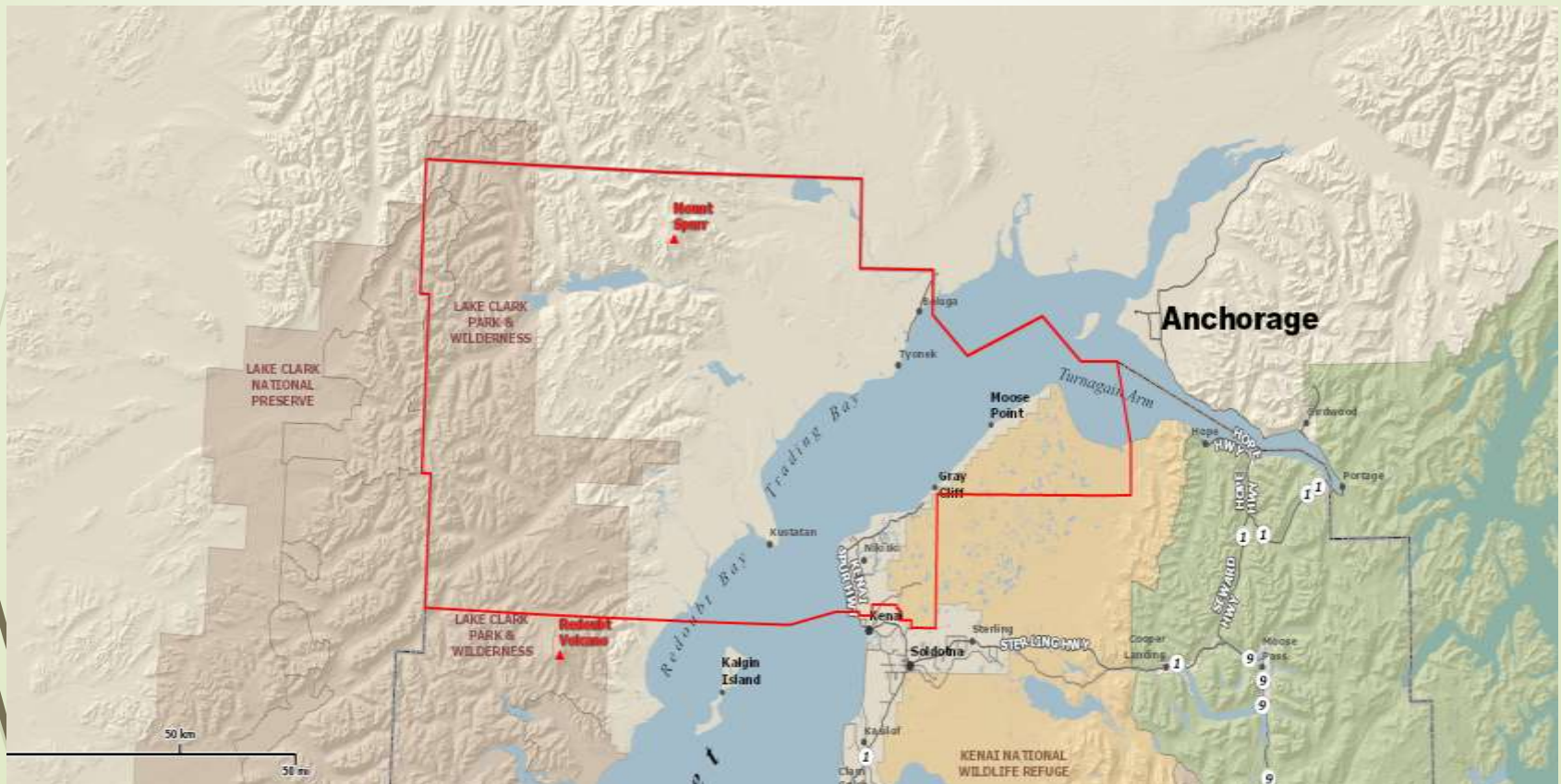
Nikiski Fire Service Area Budget Presentation



Bryan Crisp, Fire Chief

Background Information

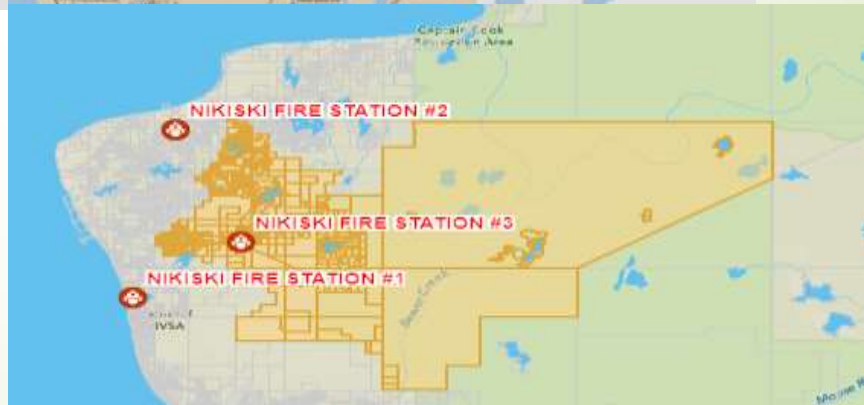
- ▶ The service area provides Fire Protection, Technical Rescue and Emergency Services capabilities to a population of approximately 6,000 residents within a 5,480 square mile area to include Beluga and Tyonek.



Background Information, continued

- Staffing:
 - Full time 21 (Reduction from 23 FTE's in FY2008)
 - 1 Fire Chief
 - 1 Deputy Chief
 - 1 Mechanic
 - 1 Admin Assistant
 - 2 Sr. Captains (Training/Safety and EMS)
 - Three Shifts of 5 FTE's
 - Volunteers 30.00 (Currently only 14)
 - 8 Firefighters/EMS
 - 6 EMS Only
 - 2 Beluga (Hilcorp Employees only when there)
 - 6 Tyonek
- Current Full Time Staffing Only Covers Stations 1 and 2

DISTRICTS AND STATIONS



Station 1 – Mile 17.5 KSH

Station 2 – Mile 27 KSH

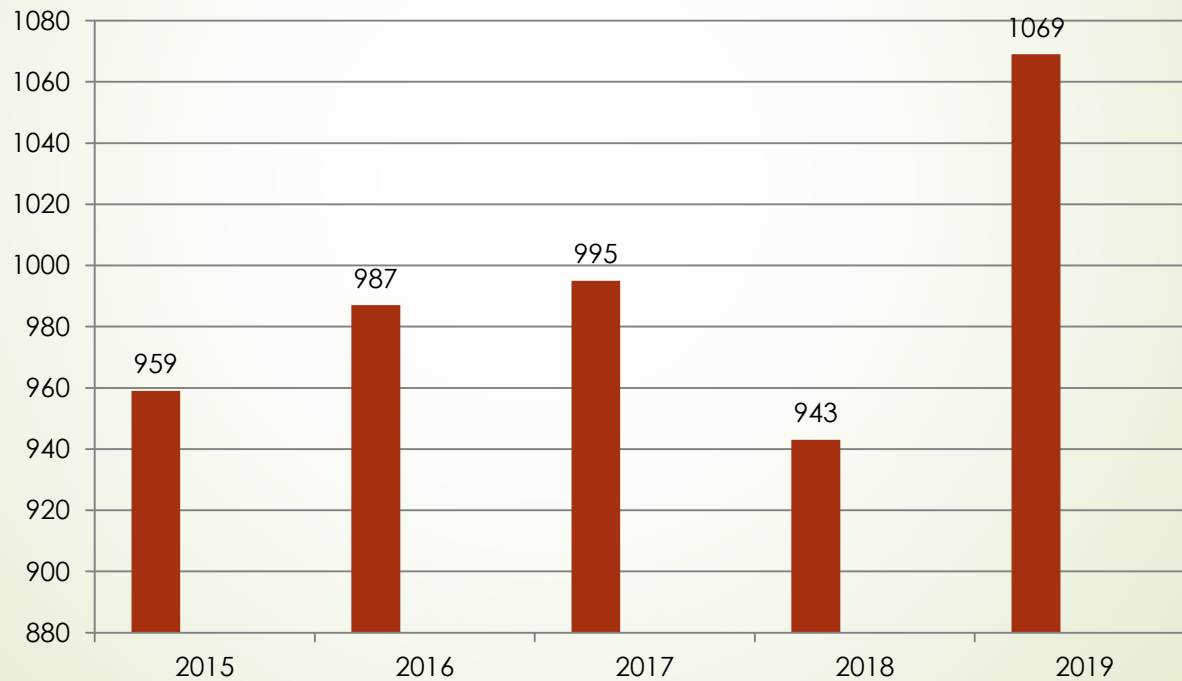
Station 3 – Intersection Holt-Lamplight and Escape Route


Station 4 – Beluga

Station 5 - Tyonek

CALL VOLUME

13.4% Increase in one year





Nikiski Fire Service Area


FY2020 Key Accomplishments

- 50th Anniversary 1969-2019
- Provided a safe work environment, Reduced property damage and personal injury
- Continued Public Safety Dive Team Training
 - All Team members are certified Public Safety Divers and Underwater Criminal Investigators. Over 200+ hours of Training per member.
 - Team participated in 3 critical missions and recovered all items (CES, KPD and FWS)
- Installed new Station Alerting System in Station 1 and 2 for quicker response capabilities. Currently still in activation phase with dispatch.
- Placed in service new command vehicle
- Completed purchase of Self-Contained Breathing Apparatus through Assistance of Firefighter Grant Program. Received shipment on May 11th.
- Implemented a Health and Wellness Program
- Implemented Firefighter Cancer Prevention initiatives
- Completed Station 1 Emergency Generator upgrade
- Station 1 Painting Maintenance currently underway

Nikiski Fire Service Area FY2020 Key Accomplishments


➤ Station 3 Construction Project Underway





Nikiski Fire Service Area FY2021 Initiatives

- Complete construction for Station #3 located on Holt Lamplight to provide quicker emergency response, and to help reduce home owner's annual insurance costs.
- Continue needed repairs at Fire Station #1 that include exterior building maintenance, apparatus flooring, diesel exhaust removal system, and parking lot maintenance.
- Complete purchase of New SCBA Air Compressor for Station 1, additional Self-Contained Breathing Apparatus equipment and place into service.
- Station #2 interior and exterior lighting maintenance and upgrades.
- Continued Health and Wellness Program
- Continued Firefighter Cancer Prevention initiatives



Nikiski Fire Service Area Long Term Issues & Concerns

➤ Staffing Levels

➤ NFSA History

- 1969-2002: 5 FTE's per shift
- 2002-2008: 6 FTE's per shift
- 2008-Present: 5 FTE's per shift

- Station Staffing is usually 3 personnel at one station and 2 personnel at the other.
- Minimum Station Staffing currently is 4 per shift/2 per station. This is 95% of the time due to Personal Leave and Sick Leave.

Staffing Levels

- Increase staffing due to the increased call volume of providing emergency services and opening of Station 3 (Average 4-5% annual call increase)
- Bring Staffing Levels up to meet or exceed National Fire Protection Association 1720 Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations to the Public by Volunteer Fire Departments.
- Table 4.3.2 shall be used by the AHJ to determine staffing and response time objectives for structural fire fighting, based on a low-hazard occupancy such as a 2000 ft² (186 m²), two-story, single-family home without basement and exposures and the percentage accomplishment of those objectives for reporting purposes as required in 4.4.2.

<u>Demand Zone^a</u>	<u>Demographics</u>	<u>Minimum Staff to Respond^b</u>	<u>Response Time (minutes)^c</u>	<u>Meets Objective (%)</u>
Urban area	>1000 people/mi ²	15	9	90
Suburban area	500–1000 people/mi ²	10	10	80
Rural area	<500 people/mi ²	6	14	80
Remote area	Travel distance ≥ 8 mi	4	Directly dependent on travel distance	90
Special risks	Determined by AHJ	Determined by AHJ based on risk	Determined by AHJ	90

^a A jurisdiction can have more than one demand zone.

^b Minimum staffing includes members responding from the AHJ's department and automatic aid

^c Response time begins upon completion of the dispatch notification and ends at the time interval shown in the table.

Staffing Levels


- The 1720 Standard addresses structure fires in three hazard levels.
 - Low hazard (residential single-family dwellings)
 - Medium hazard (three story garden apartments or strip malls)
 - High hazard structures (high-rise buildings and Industrial Complexes)
- Given expected firefighting conditions, the number of on-duty members shall be determined through task analysis considering the following criteria:
 - Life hazard protected population
 - Safe and effective performance
 - Potential property loss
 - Hazard levels of properties
 - Fireground tactics employed

Company Staffing Levels

- **Fire Company Staffing (Crew Size per truck and station)**
 - **Engine = minimum 4 on duty**
 - High volume/geographic restrictions = 5 minimum on duty
 - Tactical hazards dense urban area = 6 minimum on duty
 - **Truck = minimum 4 on duty**
 - High volume/geographic restrictions = 5 minimum on duty
 - Tactical hazards dense urban area = 6 minimum on duty
- **Initial Alarm Deployment (*number of fire fighters including officers)**
 - Low hazard = 15 Fire fighters
 - Medium hazard = 28 Fire fighters
 - High hazard = 43 Fire fighters

Company Staffing Levels

- **EMS Company Staffing** (Crew Size per truck and station)
- On-duty EMS units shall be staffed with the minimum members necessary for emergency medical care relative to the level of EMS provided by the fire department.
- Personnel deployed to ALS emergency responses shall include:
 - A minimum of two members trained at the emergency medical technician–paramedic level
- AND
- Two members trained at the BLS level arriving on scene within the established travel time.
- Note: EMS Staffing CAN NOT be pulled from Fire Company Staffing.



Nikiski Fire Service Area Long Term Issues & Concerns

- Postponed Capital Projects for Critical Safety Equipment
 - Portable Radio's
 - Additional Self-Contained Breathing Apparatus Components
- Address local and state issues with recruitment and retention of Full Time Employees and Volunteers
- Address patient care response for aging/elderly population.
- Reductions in the State's budget and impact to local communities



Questions?

