



Apparatus and Level of Service

# Cannon Beach Fire District

App#	Loc	Yr	Make/Description	Life Xpect	Replace Sched	Current Cost \$	Notes
3225	CB	2001	American Lafrance Type I	25	2028	650,000	New engine from Clackamas. Future is to replace with pumper tender
3226	AC	2006	E-One Fire engine – Type III	25	2034	565,000	Applied for grant to replace, if not then hope to replace in next year with used 2010 era that will better service area.
3227	CB	1995	Pierce Fire Engine – Type I	25	2022	550,000	Will be replaced with the engine that is on order
3249	CB	2016	Pierce Ladder Truck – Type II	25	2041	950,000	2014 Bond will be paid off in 2024
3251	CB	2015	Ford F-250 4x4 Rescue / EMS	15	2031	80,000	New Rescue ordered, 3251 will be repurposed staff vehicle.
3261	CB	2012	Chevy Suburban	15	2027	65,000	Staff/duty officer
3262	CB	2010	Toyota Tundra	15	2025	65,000	Staff/Utility
3263	CB	2019	Ford F-250 4x4 Duty Officer	15	2034	80,000	Used as Duty Officer vehicle
3266	AC	2001	Jeep Cherokee	15			Arch Cape EMS response
3269	CB	1998	Ford Explorer				Non-emergency training and errand
3266	AC	1993	Ford F350 Brush				Will be replaced by the SPRIRE grant vehicle
3277	CB	2014	Ford F-550 4x4 Brush Type VI	15	2029	225,000	2014 Joint purchase w/ City of CB
3291	CB	2004	Yamaha Wave Runner	10	2014	10,000	Will be replaced w/ used from Nehalem
3292	CB	2004	Yamaha Wave Runner	10	2014	10,000	Will be replaced w/ used from Nehalem

# Fire protection requirements

- Based on ORS the only requirement of a Fire District is to provide structure fire protection
- Wildfire, EMS, Hazmat, and Rescue are all additional responses that the Fire District has chose to provide

# Structure Fire Protection (ISO)

- Insurance Services Office (ISO) rates the community's risk for fire loss based on community and protection. That rating is how insurance companies base your insurance rates. We are currently a class 3 which is now the expectation of the community. The lower the number the better the rate (rated of 1 to 10; 10 means no protection).
- We were last rated in 2018, rating happens approximately 10 years unless there is a significant change in community.
  - Rater did not do good diligence and if were to be re-rated, would not be a 3
- We need to be planning for the 10-year re-rate to keep the class 3
  - Apparatus
  - Staffing
  - Water supply
  - Inspections

# Structure Fire Protection

- Based on building size and numbers, ISO requires 3000 GPM pumping capacity
  - The GPM requirement is met by having two 1500 GPM pumpers
  - ISO points are reduced for pumpers over 25 years (was not reduced in 2018 rating as they were not over 25 years at that point)
- Based on building heights, ISO requires a 100-foot aerial device.
  - Cannon Beach Fire District maintains a 75' aerial ladder
- Pump and aerial cannot be combined in same apparatus for full points.
- Arch Cape requires a 1000 GPM pumper for full credit from ISO
- Losing ISO points for no water tender

# Structure Fire Level of service

- 1<sup>st</sup> alarm
  - Cannon Beach
    - Ladder/Engine
    - Duty officer
    - Ideally would like to get Ladder and engine or 2 engines
  - Seaside Ladder/Engine
  - Hamlet Engine
- 2<sup>nd</sup> Alarm (working fire)
  - Gearhart Engine
  - Nehalem Engine
- Recent Cannon Beach Fires
  - Arch Cape Shingle Mill Road
    - 3225 with 4
    - 3263 (duty officer)
    - 3261 (chief)
  - Nahnana
    - 3227 with 4
    - 3249 with 2
    - 3262 (chief)
  - Hemlock
    - 3225 with 4
    - 3263 (duty officer)
  - Brailer (May 2020)
    - 3225 with 4
    - 3226 with 1
    - 3227 with 3
    - 3249 with 4
    - 3263 (chief)

# Wildfire Fire Protection

- Current
  - 1 brush truck based in Cannon Beach
  - 1 in Arch Cape
- Future plans
  - UTV is being built
  - Replace the arch Cape Engine with a type III will also better serve Arch Cape for wildfire



# EMS

- Current apparatus
  - 2015 F250 in Cannon Beach (3251)
  - 3227 in Cannon Beach
  - 3266 in Arch Cape
- Current personnel
  - 4 EMR
  - 8 EMT
  - 1 Advanced EMT
  - 1 EMT Intermediate
- Equipment
  - 3 heart monitors
    - 2 new
    - 1 obsolete
    - Need to replace 1 and purchase another about \$32,000 each
  - Updating all EMS bags
  - 2 Mechanical CPR devices
    - Need another - \$16,000



# Rescue

- Current
  - 2015 F250 in Cannon Beach (3251)
  - 2004 Jet skis
- Future plans
  - New Rescue that is ordered
  - Have the UTV setup for trail and beach rescue
  - Use the current 3251 as a second rescue
- Surf
  - Current awareness with limited operations level
  - 2 current rescue swimmer
  - 5 working on swim quals
  - Will have several by summer
- Rope Rescue
  - Operations Level
  - 8 Rope Techs
  - Working on future class for more

# Staff/Command vehicle

- Current
  - 2019 F250 purchased out of Chief fund set up as Duty Officer vehicle
  - 2012 Suburban used as 2<sup>nd</sup> duty officer vehicle/staff vehicle
  - 2010 Tundra utility/staff vehicle
  - 1998 Ford Explorer used for non-emergency
  - 2001 Jeep Cherokee in Arch Cape for EMS

# Staff/Command vehicle myth – to many staff vehicles

- Current situation
  - 3263 Duty – Lt. White is Duty officer
  - 3261 – Chief is at meeting at Seaside
  - Students need to go to class in Astoria, take 3269 to class
  - Hydrants being tested in Falcon Cove, using 3262
- Future plans
  - 3251 will be moved to Arch Cape when new rescue arrives and be used as rescue there
  - 3266 will be back at Cannon Beach and be staff vehicle



# 3225 2001 Pierce Engine

- First out when get in service
- Replace in 2028 with pumper/Tender





# 3227

## 1995 Pierce Engine

- Reserve/2<sup>nd</sup> out
- Replaced with new engine on order



# 3249

## 2016 Pierce

### Aerial Quint

- 75' aerial
- 25-year replacement – 2041





3226  
2006 E-One  
Arch Cape Engine

- Does not meet needs of Arch Cape
- Would like to replace with 2010 era type III to better meet needs
- 300 tank
- 750 pump





# 3277 2016 Brush Truck

- 15-year replacement – 2031





3276  
1993 Brush Truck

Will be replaced by the SPIRE Grant vehicle



3261

- 2<sup>nd</sup> duty officer vehicle
- 2012 Suburban
- 15-year replacement 2027



3251  
2015 F250  
EMS response

- Ford F-250 W/Camper Top
- 15-year replacement 2030



# 3262 Arch Cape EMS response

- Toyota 4x4
- 2010 Toyota
- 15-year replacement 2025





3266

Arch Cape EMS  
response

- Jeep Cherokee
- 2001





2019 F250

3263

Duty Officer

- 15-year replacement 2034





## 2004 wave runners

- Will be building new trailer

# Future look at apparatus

- With the replacement plan in place this is what the department will look like in the next 5 to 7 years.



# New 3227 2022 Engine

- First out for all fire incidents including Highway
- Lots of compartment space
- Lots of lighting
- 25-year replacement – 2045





New

3225  
2028 Pumper Tender

- 2500-3000 gallons water
- Still meets pump capacity for ISO rating



New

3226

2010 era  
Arch Cape Engine

- 1000 GPM/500 tank
- 25-year replacement – 2035
- 4wd meets needs in Arch Cape

# Budget plan

REQUIREMENTS			2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
Apparatus and equipment												
	Engine		550,000						650,000			
	Rescue		250,000									
	Brush											
	Staff				85,000		85,000					
	Upgrades		20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
	Type III (arch Cape)		525,000									
TOTAL APPARATUS EXPENDITURES			1,345,000	20,000	105,000	20,000	105,000	20,000	670,000	20,000	20,000	20,000
RESOURCES OVER/(UNDER) REQ.			235,050	315,050	360,050	490,050	535,050	665,050	145,050	275,050	405,050	535,050