



# EQUIPMENT REPLACEMENT AND FACILITY UPDATE PLAN



## PERSONAL PROTECTIVE EQUIPMENT REPLACEMENT PLAN

### STRUCTURAL FIREFIGHTING PPE

#### PPE REPLACEMENT PLAN CONSIDERATIONS

*NFPA 1851, Standard on Selection, Care and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, specifies that the firefighter protective ensemble or ensemble components must be retired from service no more than 10 years from the date the ensemble or ensemble component was manufactured.*

Keep in mind the NFPA 1851 addresses the date of manufactured, **not** the date it was placed in service and includes helmets, hoods, coats, pants, gloves, and boots.

*NFPA 1971 protects firefighting personnel by establishing minimum levels of protection from thermal, physical, environmental, and bloodborne pathogen hazards encountered during structural and proximity firefighting operations.*

There are several factors to consider with regards to the purchase of PPE.

1. What is the latest NFPA 1851 standard?
2. What is the latest NFPA 1971 standard?
3. What is the agencies PPE design and layout needs?
4. What manufacturer can provide the design and layout needs at a competitive cost?
5. How many members require outfitting?
6. How many sets are required per member?

All manufacturers of structural firefighting PPE are required to meet the standing NFPA 1971 standards on the date of manufacturing. Having said that, agencies must remain vigilant on the NFPA 1971 and 1851 standards throughout the life on the purchased PPE. If there is a standard change, agencies run the risk of having to repurchase PPE, or parts thereof, in order to remain compliant with NFPA 1971.

PPE design and layout are very fluid concepts. This area covers pocket locations, types of pockets, fastening systems, belts, suspenders, blousing, and much more. This layout tends to follow the specific needs of the agency or the individual firefighter.

Structural firefighter PPE manufactures on constantly competing on the market for the best price, newest cutting-edge technology, and bulk sales. It is very difficult, if not impossible, for smaller fire agencies to be eligible for bulk purchase discounts.

The structural firefighting PPE utilized by GLFDP is a protective envelop from head to toe. The helmet, hood, coat, gloves, pants, and boots have a life span (per national standard) of 10 years.

For the next 3 years, GLFPD staffing levels will remain as follows:

Fulltime Line Duty Staff	9
Combat Qualified Admin Staff	2



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Resident Firefighters	3
Combat Qualified Volunteer	6
Logistical Support Volunteer	10

Number of PPE ensembles per staffing type:

Fulltime Line Duty Staff	2
Combat Qualified Admin Staff	1
Resident Firefighters Staff	1
Combat Qualified Volunteer Staff	1
Logistical Support Volunteer	0

Total number of PPE ensembles:

Total	29
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## STRUCTURAL FIREFIGHTING GEAR REPLACEMENT SCHEDULE

Table 1 Structural Firefighting PPE Replacement Schedule per Type			
Equipment	Front Line	Backup / Reserve	Decommission
Turn-Out Coat	8 years	2 years	10 years
Turn-Out Pants	8 years	2 years	10 years
Turn-Out Helmet	8 years	2 years	10 years
SCBA Mask	10 years	N/A	10 years
Turn-Out Boots	6 years	N/A	6 years
Turn-Out Gloves	3 years	N/A	3 years
Turn-Out Hoods	5 years	N/A	5 years

Table 2 Fulltime Line Duty Staff Structural Firefighting PPE Replacement Schedule per Type			
Equipment	Front Line	Backup / Reserve	Decommission
Turn-Out Coat	8 years	2 years	10 years
Turn-Out Pants	8 years	2 years	10 years
Turn-Out Helmet	8 years	2 years	10 years
SCBA Mask	10 years	N/A	10 years
Turn-Out Boots	6 years	N/A	6 years
Turn-Out Gloves	3 years	N/A	3 years
Turn-Out Hoods	5 years	N/A	5 years

Table 3 Combat Qualified Admin Staff Structural Firefighting PPE Replacement Schedule per Type			
Equipment	Front Line	Backup / Reserve	Decommission
Turn-Out Coat	10 years	N/A	10 years



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Turn-Out Pants	10 years	N/A	10 years
Turn-Out Helmet	10 years	N/A	10 years
SCBA Mask	10 years	N/A	10 years
Turn-Out Boots	10 years	N/A	10 years
Turn-Out Gloves	3 years	N/A	3 years
Turn-Out Hoods	5 years	N/A	5 years

**Table 4**  
Resident Firefighter Staff Structural Firefighting PPE Replacement Schedule per Type

Equipment	Front Line	Backup / Reserve	Decommission
Turn-Out Coat	10 years	N/A	10 years
Turn-Out Pants	10 years	N/A	10 years
Turn-Out Helmet	10 years	N/A	10 years
SCBA Mask	10 years	N/A	10 years
Turn-Out Boots	6 years	N/A	6 years
Turn-Out Gloves	3 years	N/A	3 years
Turn-Out Hoods	5 years	N/A	5 years

**Table 5**  
Combat Qualified Volunteer Staff Structural Firefighting PPE Replacement Schedule per Type

Equipment	Front Line	Backup / Reserve	Decommission
Turn-Out Coat	10 years	N/A	10 years
Turn-Out Pants	10 years	N/A	10 years
Turn-Out Helmet	10 years	N/A	10 years
SCBA Mask	10 years	N/A	10 years
Turn-Out Boots	6 years	N/A	6 years
Turn-Out Gloves	3 years	N/A	3 years
Turn-Out Hoods	5 years	N/A	5 years

**Table 6**  
GLFPD Actual Staff Firefighting PPE Replacement Schedule

Equipment	Front Line	Backup / Reserve	Decommission
A-Shift			
Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2019 to 2022	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030



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Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Acting Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2019 to 2022	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Acting Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	2016 to 2024	2024 to 2026	2026
Turn-Out Pants	2016 to 2024	2024 to 2026	2026
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2019 to 2022	N/A	N/A
Turn-Out Hoods	2019 to 2024	N/A	N/A
Senior Firefighter – set 1 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Senior Firefighter – set 2 [REDACTED]			
Turn-Out Coat	2013 to 2021	2021 to 2023	2023
Turn-Out Pants	2013 to 2021	2021 to 2023	2023
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Firefighter – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Firefighter – set 2 [REDACTED]			
Turn-Out Coat	N/A	N/A	N/A
Turn-Out Pants	N/A	N/A	N/A
Turn-Out Boots	N/A	N/A	N/A



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Turn-Out Gloves	N/A	N/A	N/A
Turn-Out Hoods	N/A	N/A	N/A
B-Shift			
Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2021 to 2029	2029 to 2031	2031
Turn-Out Pants	2021 to 2029	2029 to 2031	2031
Turn-Out Helmet	2021 to 2029	2029 to 2031	2031
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Acting Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Acting Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Senior Firefighter – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Senior Firefighter – set 2 [REDACTED]			
Turn-Out Coat	N/A	N/A	N/A
Turn-Out Pants	N/A	N/A	N/A
Turn-Out Boots	N/A	N/A	N/A



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Turn-Out Gloves	N/A	N/A	N/A
Turn-Out Hoods	N/A	N/A	N/A
C-Shift			
Lieutenant			
Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2019 to 2022	N/A	N/A
Turn-Out Hoods	2019 to 2024	N/A	N/A
Acting Lieutenant – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Acting Lieutenant – set 2 [REDACTED]			
Turn-Out Coat	N/A	N/A	N/A
Turn-Out Pants	N/A	N/A	N/A
Turn-Out Boots	N/A	N/A	N/A
Turn-Out Gloves	N/A	N/A	N/A
Turn-Out Hoods	N/A	N/A	N/A
Senior Firefighter – set 1 [REDACTED]			
Turn-Out Coat	2020 to 2028	2028 to 2030	2030
Turn-Out Pants	2020 to 2028	2028 to 2030	2030
Turn-Out Helmet	2020 to 2028	2028 to 2030	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	N/A
Turn-Out Gloves	2020 to 2023	N/A	N/A
Turn-Out Hoods	2020 to 2025	N/A	N/A
Senior Firefighter – set 2 [REDACTED]			
Turn-Out Coat	2019 to 2027	2027 to 2029	2029
Turn-Out Pants	2019 to 2027	2027 to 2029	2029
Turn-Out Boots	2019 to 2025	N/A	N/A
Turn-Out Gloves	2019 to 2022	N/A	N/A



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Turn-Out Hoods	2019 to 2024	N/A	N/A
Combat Qualified Admin			
Fire Chief			
Turn-Out Coat	2020 to 2030	N/A	2030
Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2030	N/A	2030
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Wildland Coordinator			
Turn-Out Coat	2021 to 2031	N/A	2031
Turn-Out Pants	2021 to 2031	N/A	2031
Turn-Out Helmet	2021 to 2031	N/A	2031
SCBA Mask			
Turn-Out Boots	2021 to 2031	N/A	2031
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Resident Firefighter			
Senior Resident			
Turn-Out Coat	2020 to 2030	N/A	2030
Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Resident 2			
Turn-Out Coat	2020 to 2030	N/A	2030
Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Resident 3			
Turn-Out Coat	2019 to 2029	N/A	2029
Turn-Out Pants	2019 to 2029	N/A	2029
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025



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Resident 4			
Turn-Out Coat	2019 to 2029	N/A	2029
Turn-Out Pants	2019 to 2029	N/A	2029
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Combat Qualified Volunteer			
Volunteer 1			
Turn-Out Coat	2019 to 2029	N/A	2029
Turn-Out Pants	2019 to 2029	N/A	2029
Turn-Out Helmet	2019 to 2029	N/A	2029
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Volunteer 2			
Turn-Out Coat	2019 to 2029	N/A	2029
Turn-Out Pants	2019 to 2029	N/A	2029
Turn-Out Helmet	2019 to 2029	N/A	2029
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Volunteer 3			
Turn-Out Coat	2020 to 2030	N/A	2030
Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Volunteer 4			
Turn-Out Coat	2020 to 2030	N/A	2030
Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Volunteer 5			
Turn-Out Coat	2020 to 2030	N/A	2030





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Turn-Out Pants	2020 to 2030	N/A	2030
Turn-Out Helmet	2020 to 2030	N/A	2030
SCBA Mask			
Turn-Out Boots	2020 to 2026	N/A	2026
Turn-Out Gloves	2020 to 2023	N/A	2023
Turn-Out Hoods	2020 to 2025	N/A	2025
Volunteer 6			
Turn-Out Coat	N/A	N/A	N/A
Turn-Out Pants	N/A	N/A	N/A
Turn-Out Helmet	N/A	N/A	N/A
SCBA Mask	N/A	N/A	N/A
Turn-Out Boots	N/A	N/A	N/A
Turn-Out Gloves	N/A	N/A	N/A
Turn-Out Hoods	N/A	N/A	N/A