Department New Request Form
Fiscal Year 2025

Program	**Public Safety**	***Title of New Request:***		***Rank:***	9
Department	Fire	Firefighter Health & Wellness			
Request Category	**Service Module Change**				
Request Rating	**Urgent**				
Department Goal			***# of FTE's in this request***		0.00

1. How will request assist in achieving Department Goal and benefit the customer

Firefighter health and wellness is extremely important to us. Cleaning our turnout gear after a fire to remove cancer causing carcinogens is paramount to cancer prevention. This proposal is to purchase Dalgren Surface Clean (DSC) along with the Dahlgren Decon system. DSC is one portion of the Dahlgren Decon System (Part A). DSC is non-toxic, non-sensitizing and safe for contact with skin. Per Dahlgren literature 1.7 oz of DSC is enough to clean up to 6 sets of turnouts in a 65 lb extractor and exceeds NFPA 1851, Standard on Selection, Care and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting. DSC was developed by the US Navy for chemical and biological agent decontamination, it has a 10-year shelf life and can be stored and used at temperatures from -40 °F- 160°F. DSC is a neutral detergent (7.4 pH) and will not damage turnout gear or other equipment. (NFPA 1851 recommends cleaning agents be 6.0-10.6 pH). DSC had been independently tested by two laboratories (Intertek and Armstrong Forensic Laboratories). DSC was tested for SVOC's and heavy metals removal and was found to demonstrate cleaning efficiencies of 57.4% and 56.0% respectively, which exceeds NFPA 1851 minimums.

2. What specifically is needed to achieve this goal?

Each 5-gallon container costs $324.88 (as of 1/30/24). The cost of detergent per load I estimate to be $0.41 per extractor load (estimated with data provided by the Dahlgren literature). I propose purchasing 5 (5-gallon) containers of DSC to be placed at each station for laundering of turnouts. This would come to a total cost of $1,624.40 (without shipping) for the DSC, giving us the ability to launder 4,000 total sets of turnouts. I will work with Beau to find a dispenser pump for the DSC to meter the appropriate amount of DSC for each load for turn outs and a ruggedized container to store the DSC at each station. I propose spending up to $375.60 for metered pumps and containers if needed. This brings the total proposed amount to an estimated $2,000 plus shipping.

3. Cost Impact of New Program:

Account #	Item	Qnty	Unit Cost	Requested One-Time	Requested Ongoing	FY 2025 Unfunded	FY 2025 Funded	Proposed FY 2026 Ongoing
Ongoing Expenses								
1000.300.420420.220	Dahlgren Surface Clean	5	325		1,624	1,624	—	
1000.300.420420.220	Dispenser pump	5	75		376	376	—	
					—	—	—	
					—	—	—	
					—	—	—	
					—	—	—	
					—	—	—	
					—	—	—	
One-time Expenses								
				—		—	—	
				—		—	—	
				—		—	—	
				—		—	—	
				—		—	—	
				—		—	—	
				—		—	—	
			Expense Sub-Total	**—**	**2,000**	**2,000**	**—**	**—**

Revenue Offset:

Account #		Revenue Description	Proposed Onetime Revenue	Proposed Ongoing Revenue
1000	T	Tax Fund	-	2,000
		Revenue Sub-Total	**-**	**2,000**

4. What sort of data will be used to report results and outcomes of request?

This will require a long term look at at FF cancer rates and prevention over several years. Both nationally and locally.

Requested/Proposed Funding Source

	One-time	Ongoing
Tax or Assessment	-	**2,000**
Non-tax	-	-
Fund Balance	-	-
Total	-	**2,000**