



**COST STUDY ANALYSIS PROVIDED BY
SEATTLE FIRE DEPARTMENT**

FOAM PRICE PER 1000

| <u>GALLONS OF WATER</u> | <u>FINISHED FOAM COST</u> |
|--------------------------------|----------------------------------|
|--------------------------------|----------------------------------|

Ansul AFFF AR 3%

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|------------------------------|--------------|
| 3% @ \$22.60/gal. = \$678.00 | \$ 0.68/gal. |
|------------------------------|--------------|

Ansul Fluoroprotien

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|------------------------------|--------------|
| 3% @ \$17.20/gal. = \$516.00 | \$ 0.52/gal. |
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Ansul AFFF

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|------------------------------|---------------|
| 3% @ \$10.80/gal. = \$324.00 | \$ 0.324/gal. |
|------------------------------|---------------|

Novacool UEF

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|--------------------------------|--------------|
| 0.4% @ \$40.00/gal. = \$160.00 | \$ 0.16/gal. |
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**Duration of Foam Operations on New Large
Fireboat, 6000 Gallon Tank**

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|------------------|------------------------|
| 3% Class B Foam; | 200 minutes @1,000 gpm |
| | 40 minutes @5,000 gpm |
| | 20 minutes @10,000 gpm |

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|------------------|---------------------|
| 1% Class B Foam: | 10 hours @1,000 gpm |
| | 2 hours @5,000 gpm |
| | 1 hour @10,000 gpm |

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|--------------------|-------------------------------|
| Novacool UEF 0.4%: | 25 hours @1,000 gpm |
| | 5 hours @ 5,000 gpm |
| | 2 hours, 30 min. @ 10,000 gpm |

**Duration of Foam Operations on Fast
Attack Fireboat, 100 Gallon Tank**

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|-----------------|-----------------------|
| 3% Class B Foam | 6.6 minutes @ 500 gpm |
| | 3.3 minutes @1000 gpm |
| | 0.66 min. @5000 gpm |

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|-----------------|----------------------|
| 1% Class B Foam | 20 minutes @ 500 gpm |
| | 10 minutes @1000 gpm |
| | 2 minutes @5000 gpm |

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|-------------------|----------------------|
| Novacool UEF 0.4% | 50 minutes @500 gpm |
| | 25 minutes @1000 gpm |
| | 5 minutes @5000 gpm |



www.swfirefightingfoam.com