

CITY COUNCIL AGENDA: FEBRUARY 19, 2013

SUBJECT: REQUEST FOR APPROVAL TO PURCHASE SPECIALIZED EQUIPMENT

SOURCE: FIRE DEPARTMENT

COMMENT: The Porterville Fire Department would like to purchase a Flashover Simulator / Fire Behavior prop to be located at the Regional Training Facility, 500 N. Newcomb. This piece of equipment would provide invaluable training in firefighting techniques.

The department has identified the following three manufacturers of this specialized equipment and obtained estimates and specifications from each. The estimates received are:

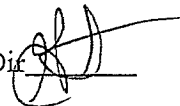

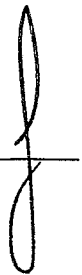
Fire Blast:	\$54,101.20
Fire Training Structures:	\$50,604.40
Drager:	\$37,080.00

The Drager Flashover Simulator is the most cost-effective product primarily due to its delivery with "some assembly required." The Fire Department will assemble the two main sections utilizing its significant in-house experience with "sea-train" construction. The department will also perform all site work including grading, staking, forming, pouring and finishing of the required concrete base pad.

Funding for this project, approved in the 2012 /2013 Annual Budget, is currently available from the 2012 Indian Gaming Grant.

RECOMMENDATION: That City Council approve purchase of one "Phase 1 Drager Swede System – Flashover" at a cost of \$37,080.00, plus applicable sales tax.

ATTACHMENTS: Drager Price Quotation  
Drager Technical Specifications

Dif  Approp./ Funded  CM  Item No. 5.

Draeger Safety, Inc.  
 700 Second Street, Suite G  
 Encinitas, CA 92024  
 Tel: +1 760 634-7740  
 Fax: +1 760 634-7746



PRICE QUOTATION

CUSTOMER:		Porterville Fire Dept.		DATE:	01/31/13
ADDRESS:					
CITY, STATE (PROV):		Porterville, CA		PAGE:	1 of 1
ZIP (PCODE):		93257			
ATTENTION:		Shannon Skiles		PHONE:	559-782-7475
TITLE:				FAX:	
E-MAIL ADDRESS:		sskiles@porterville.ca.us			
REFERENCE:		Phase 1 Draeger Swede System- Flashover		DSM:	Scott Miller
DELIVERY INFO:		60 Days from date of purchase order		RSM:	Jim Eder
ITEM	QTY	DRAEGER PART #	DESCRIPTION	NET UNIT PRICE	NET EXTENSION
A	1	n/a	Dräger Swede Survival - Phase 1 Flashover as per Technical Specification attached to this Price Quotation Training Included- 2 day onsite, up to 12 in class 2 Zone Temperature Monitoring System Included	\$36,180.00	\$ 36,180.00
B	1	n/a	Freight- FOB DESTINATION- Porterville, CA	\$900.00	\$ 900.00
Notes:					
1) All funds are in US Dollars					
2) Freight only Valid for 30 Days					
3) Site preparation and set-up are not included					
4) Customs and Duties are not included					
5) Any building permits and/or trade licenses to be supplied by client					
6) Bonding price (if required) not included					
7) Local, State, or Federal Taxes are not included					
TOTAL QUOTATION:					\$37,080.00
Special Conditions/Comments:					
<ul style="list-style-type: none"> <li>- Site preparation and set-up is in the responsibility of the purchasing authority. For site requirements see performance specification.</li> <li>- Training is mandatory part of the scope of delivery and has to take place within 90 days of the set-up of the system.</li> <li>- System is NOT to be used with untrained operators/instructors.</li> <li>- Purchasing authority will disclose final destination of the unit to Draeger within 5 working days after placement of purchase order</li> <li>- Purchasing authority will specify location of training to Draeger within 5 working days after placement of purchase order.</li> <li>- Draeger holds the right to adjust sales price of line item A, if training is to take place outside the NAFTA area.</li> </ul>					
Incoterms:					
TERMS:		Net 30 Days upon Credit Approval			
EXPIRY:		Offer expires 90 days from date of signed quotation.			
Authorized Signature:				Draeger Name:	Mr. John Hunter
				Draeger Title:	Product Specialist Draeger Swede Survival

Confidential and Proprietary  
 No release without written authorization from Draeger

## Technical Specification: Dräger Swede Survival - Phase 1 "Flashover Observation"

### A. SCOPE OF DELIVERY

- Container System built to specifications of Draeger
- System meets or exceeds NFPA 1001, 1403 and 1500 Standards
- System meets the Swedish Rescue Training Center specifications
- 2 day advanced "train-the-trainer" course conducted on site for up to 12 trainers

### B. CONTENTS OF TRAIN-THE-TRAINER COURSE

1. Ignition Sources
2. Fire Behavior
3. Formation of Fire Gases
4. Fire Control
5. Container Operations
6. Hydration
7. Heat Stress
8. SCBA & Safety Equipment
9. Heat Stress Management
10. Recognition of Pre-Flashover
11. Smoke and Ventilation Exercises
12. Nozzle Technique
13. Container Management
14. Safety

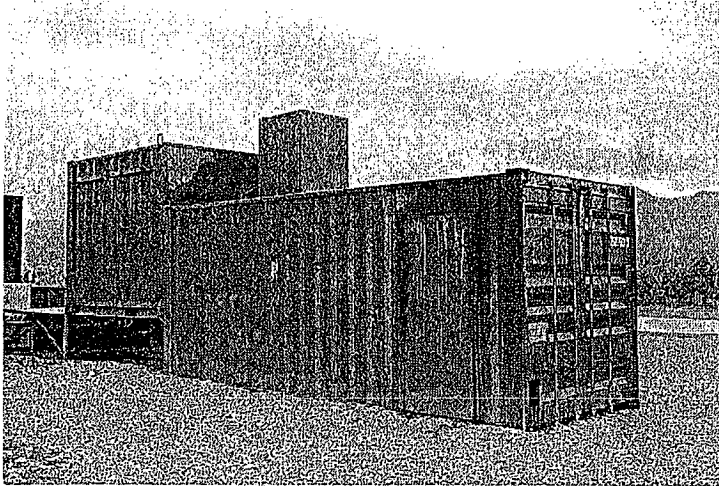
### C. CONTAINER SYSTEM SPECIFICATIONS AND SET-UP REQUIREMENTS

#### Dimensions:

- a) Burn Container                      10' Long, 8 ' Wide, 11 1/2' High
- b) Observation Container:            20' Long, 8 ' Wide, 8 1/2' High

#### Weight:

Approx. 21,000 pounds. (Observation 9,000 & Burn 12,000)



## **Construction and Included Items:**

- Access Platform / Loading Dock
- Partek High Performance Insulation In Burn & Portion of Observation Container
- 14 Gauge Steel Exterior with 8 Gauge Sheet Metal Covering Insulation
- 5/8" Chain on Walls, Ceiling and Doors of Burn Container
- Ventilation System
- Concrete Paving to Line Floor of Burn Container
- 1 ea.- Crib Fire Drum
- Side entry doors without locks
- Access for Hose Line
- Jacks for additional Support of Burn Container
- Paint – Red Oxide

## **Site Requirement:**

- Level pad of either concrete or gravel with average dimensions of not less than 20' Wide and 40' Long (800sq ft).
- No foundation or drainage system required.
- Burn Container to be placed directly into prevailing wind, if applicable.
- Equipment required for set-up: Large capacity fork-lift truck, with extended arms or crane. Set-up time is approximately one hour for 3 people (forklift operator +2)

*Site preparation and set-up is the responsibility of the purchasing authority.*

## **D. PRICE & DELIVERY**

see "price quotation" page

## **E. TERMS & CONDITIONS**

see "price quotation" page

Draeger Safety, Inc.  
700 Second St., Suite G  
Encinitas, CA 92024, USA  
Phone: +1 (760) 634-7740  
Fax: +1 (760) 634-7746  
[www.draeger.com](http://www.draeger.com)

Confidential and Proprietary  
No release without written authorization from Draeger

Dräger Swede Survival  
Phase 1 "Flashover Observation"  
Technical Specification  
Page 2 of 2