



INSTRUCTIONAL EQUIPMENT REQUEST

Due in Dean/Unit Head's Office on September 19, 2011 (FALL) and March 1, 2011 (SPRING)

The Definition of Instructional Equipment can be found in the California Community College's Budget and Accounting Manual. A copy of these definitions is on the PBC webpage:

http://grapevine/pbc/InstructionalEquipment.php

Name of Requestor: Ron Johansen
Division/Unit: MSEPS (Div. III), Fire Service Technology
Brief title of request (equipment or materials being requested must be similar, related or part of a system): 20" STIHL Magnum Chain Saw / Carbide Chain

Request amount (unit cost and total cost including tax and shipping. Please include all costs including installation, modification to existing facilities to accommodate new equipment, etc.): This should come from the vendor quote.

Table with 2 columns: Item(s) Cost, Amount. Rows include: Item(s) Cost (\$ 1,770.00), Tax (0.0875) (\$ 154.88), Shipping (\$ n/a), Installation (\$ n/a), Facilities Modification (\$ n/a), Other (\$ n/a), Total Cost (\$ 1,924.88)

Attach copy of quote(s), estimate(s) and requisition(s): (Must attach quote & requisition; absence of either will delay processing)

Brief description of specific equipment or materials requested and what they will be used for: (include the # pieces being requested; i.e.: 10 crayola crayons, sky blue, etc. in 250 words or less)

(2) Two 20" STIHL Magnum Chain Saws with Carbide Tip Chain Package.
The chain Saws allow for current required training criteria to be met in the new curriculum established by CAL Fire as part of the FST 86A "CAL Fire Firefighter Basic" a "Wildland Firefighter Academy".

Is this in your Program Review? Yes [checked] No []

The plan review identifies the need for sustainable equipment for the current "Wildland Fire Academy". The purchase of these two chain saws provide the ability to meet accreditation requirements as established by CAL Fire for the delivery and Certification of Students completing the FST 86A "CAL Fire Firefighter Basic" Wildland Fire Academy.

Is it a replacement? Yes

Upgrade? Yes

New technology? Yes

Please explain?

The Two Chain Saws replace a donated Chain Saw that is at least 20 years old and has met the end of its life cycle for use. The Chain Saw currently available to the LPC FST Program is no longer safe to use as it does not have a functioning Safety Bar and no longer meets NIOSH/CAL OSHA regulatory guidelines for Chain Saw use and operations. We are requesting two Chain Saws to meet the demands of Instruction with large Academy Classes. If one Chain Saw fails another is always available for completion of the Instruction Cycle. This is considered an upgrade as they are new Chain Saws which meet all current Safety Function requirements by NIOSH and CAL OSHA.

Following is the evaluation criteria; please see corresponding Instructional Equipment Rubric.

Instructional and Service Impact

How will this item have a positive impact on instruction and/or teaching and learning in the classroom? Is this for use by the Instructor or students, or both?

It will allow for required instruction to be provided as identified within the curriculum, thus allowing the Academies to remain in compliance with accrediting bodies who issue certifications which allow for direct employment opportunities for seasonal and year round full time employment within the Fire Service. Students successfully completing the training will receive an S-212 Certification "Wildland Fire Chain Saws" from NWCG (National Wild Fire Coordinating Group) and the "CAL Fire Firefighter Basic" Certification provided by CAL Fire. Both Certifications are required for employment with CAL Fire for Wildland Firefighters and S-212 is required for Federal Wildland Firefighters. The Chain Saws are a necessary component of the instruction required to meet both certification criteria of completion.

Impact on Enrollment

Will the equipment impact enrollment, attract or increase the number of students participating in a course or program?

If the purchase of the chain saws was not to be made, we would be forced to find a vendor willing to rent the chain saws to the Academy. Currently unable to find a vendor willing to let their chain saws be used as training units do to risk of breakage and liability. It is advisable to purchase our own Chain Saws for continuity of Instruction with equipment recommended by Accrediting Bodies (STIHL Chain Saws). If we eliminated the chain saw from instruction we would be at risk to loose accreditation of the Academies and would not be able to provide certifications which are vital for students to meet required pre-requisites for employment.

Access

How does this item promote the principles of universal design, by providing opportunities for under-represented populations & accommodate students with diverse learning styles?

The Chain Saws are able to provide an equitable training program for all students accepted within the Academies. Unsafe quirks associated with old and worn out chain saws could make for unsafe conditions which could lead to potentially serious injury. Chain Saws are not toys and require safe handling and discipline. The use of the new Chain Saws allow for safer handling and allow for safety features to be available as required by NIOSH and CAL OSHA. This is especially important when operating a Chain Saw for the first time as a student.

Outcomes

How will this equipment enable or enhance SLOs? What are the consequences related to learning outcomes if request is not funded?

Students will meet SLO's by demonstrating a clear safe use and handling of a Chain Saw, which is one of the many tools used in the Fire Fighting arsenal for both Wildland and Structure Fires, but is also potentially one of the most dangerous tools to use if handled improperly without adequate instruction. Curriculum in the FST 86A Class will include manipulative instruction in the maintenance, handling, servicing, and operation of a chain saw and cognitive knowledge in the use criteria and safety criteria for the use of a Chain Saw, leading to successful S-212 Certification "Wildland Fire Chain Saws".

Total Cost of Ownership (This is an attempt to identify what the ongoing costs of purchasing this equipment will be to the institution)

- a) What is the lifespan of the equipment? 5 years? 10 years? 20 years?
- b) Is there sufficient current/planned space available for the storage and use of this equipment? If so, where will it be housed? If not, is there a proposed location and are there any costs associated with installation or modifications to the space?
- c) Are there operating costs and how will they be covered by the department?
- d) What will be required to maintain the equipment, such as regular servicing or upkeep?
Who will perform maintenance, and what will the estimated costs be?

With proper maintenance and handling it is hopeful, that we can get 10-15 years of service from the two Chain Saws. Only potential changes in NIOSH and or CAL OSHA regulations with use of Chain Saws by Firefighters should have an impact before than (None is anticipated). Storage is not a concern with current Training Facilities in the LPC FST Program. They will be stored in Portable Building 100B (FST Fire Training Equipment Building). Operating and maintenance cost will be handled by the FST Program annual equipment and supplies budget. Regular maintenance will be performed by Students under the direct guidance of accredited Instructors in the maintenance, use and handling of chain saws. Costs should remain minimal to non-existent except for annual purchases of Bar Oil and replacement Chains, spark plugs and air filters every few years or as needed. Cost should be under \$50 a year.

Visibility/Profile within Community

Is this a “flagship” item that will bring recognition/notoriety to the College or raise the stature of the program? Will it attract students and/or enhance the image of the College in the community because of its rare, one-of-a-kind status?

As with all new Equipment, Fire Academies are recognized by three criteria. Quality of their Instruction, Facilities and Equipment used in Training. The purchase of the two Chain Saws will allow for training to be conducted to the highest of standards with equipment that would be found with any Fire Department. Leading to the quality of Instruction being relative to the current tools on hand and in use in today's Fire Service. It is the very nature of all three criteria here at LPC that has allowed our program to be recognized throughout the region and beyond. This has attracted even students from out of State attending the LPC FST Program.

Commitment to Sustainability

How does this equipment exceed basic sustainability goals and encourage renewable resources at the College? Is the design/operation of this item in keeping with the College's commitment to sustainable practices?

It does allow for sustainability from a stand-point that the new Chain Saws will have a lower emissions standard and carbon foot print than the old Chain Saw and it will have a lower ambient noise impact than the older chain saw used within the program.

Health, Safety & Security

Does this equipment address any health, safety & security concerns? If so, please explain below.

As mentioned before the new chain saws allow for meeting NIOSH and CAL OSHA Safety regulatory Guidelines when using Chain Saws. Chain Saws are dangerous tools and should never be incorporated into a learning environment when old and worn out or broken as is the case with our current Chain Saw. The New Chain Saws will allow for a safer learning environment and will greatly reduce the potential for injury, considering that the chain saws meet the current required safety standards in Chain Saws design and that they will function in a safe manner for many years to come with proper maintenance and handling.

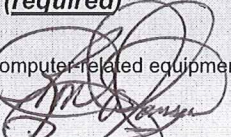
Signatures (required)

(If requesting computer related equipment/software, LPC IT Department Review is required.)

N/A

IT Department Signature

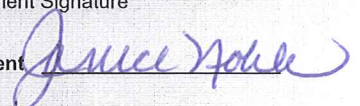
Requested by


ROY JOHANSEN

Dean/
Unit Head



Vice President



LPC VP Business/President

LPC Business Office Use (Account Number)

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REMIT PAYMENT TO:

FILE 31009
P.O. BOX 60000
SAN FRANCISCO, CA 94160

ORIGINAL INVOICE

TAXPAYER I.D.# 94-1214350
DUNS # 009224163

INVOICE NO.	1232743-00
INVOICE DATE	03/19/12
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CUSTOMER ORDER NO.	RON/RELEASE/CALL NO.	ORDERING PARTY	DATE ORDER ACCEPTED	SALESPERSON	CUSTOMER NO.
QUOTE - JOHANSEN	JOHANSEN	03/19/12	PJK	1184	
BASE CODE	TAX STATUS	FOB:SP	DATE SHIPPED	SHIP VIA	
		FR		WILL CALL	

QUANTITY	ORDERED	SHIPPED	UNIT	PART NUMBER	DESCRIPTION	UNIT PRICE	TOTAL PRICE
2			EA	MS44120D STIHL	20" MAGNUM CHAIN SAW W/ CARBIDE CHAIN PKG	885.00	1770.00

THANK YOU FOR THE OPPORTUNITY TO QUOTE ON ATTACHED ITEMS.
SHOULD YOU HAVE ANY QUESTIONS PLEASE FEEL FREE TO CALL
BRIAN BELL @ 510-268-3347

TERMS NET 30		Service charge 1.5% per month added after 30 days	
SUB TOTAL		1770.00	
SALES TAX		154.88	
TRANSPORTATION		0.00	
AMOUNT DUE		1924.88	

Last Page

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Oakland, CA 94607
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Salt Lake City, UT 84101
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