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DEPARTMENT OF  
FIRE

CITY OF SACRAMENTO  
CALIFORNIA

1231 I STREET  
SUITE 401  
SACRAMENTO, CA  
95814-2979

916-449-5266

RAY CHARLES  
FIRE CHIEF

November 29, 1988

Budget and Finance Committee  
Sacramento, California

Honorable Members in Session:

SUBJECT: PURCHASE OF FIRE DEPARTMENT COMMUNICATION EQUIPMENT

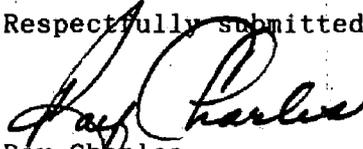
SUMMARY

The attached report recommends the purchase of 15 David Clark Intercom Systems to complete the installation of this system in all frontline engines and trucks, and the purchase of 7 portable radios, to be funded by additional Fire Department Training income.

RECOMMENDATION

It is recommended that the Budget and Finance Committee approve the attached report and forward it to the City Council for action.

Respectfully submitted,

  
Ray Charles  
Fire Chief

RECOMMENDATION APPROVED:

  
Jack R. Crist  
Deputy City Manager

Attachment

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RAY CHARLES  
FIRE CHIEF

December 6, 1988

City Council  
Sacramento, California

Honorable Members in Session:

SUBJECT: PURCHASE OF FIRE DEPARTMENT COMMUNICATION EQUIPMENT

SUMMARY

This report recommends the purchase of 15 David Clark Intercom Systems to complete the installation of this system in all frontline engines and trucks, and the purchase of 7 portable radios. It was heard by the Budget and Finance Committee on November 29, 1988.

BACKGROUND

The Mobile Radio Intercom system is an independent communication system between the captain and the apparatus operator which also connects with the radio channels. By blocking out siren noises, it allows both the captain and apparatus operator to clearly hear all transmissions of dispatch information, status updates and/or changing conditions through a headset attached to the vehicle's mobile radio. The intercom feature of the headset system provides a two-way communication link between the captain and the apparatus without interference from the high noise level. In 1986-87 the first phase covered installation of the system in 17 engines.

The systems currently in use have demonstrated the improved communications while providing hearing protection without restricting radio and voice communication. The system also improves the efficiency of the voice radio network by reducing the need for repeated retransmissions between the Communication Center and responding units, improves safety and response times with better voice contact between the captain and apparatus operator, and provides a more level environment than the current hearing protection. The installation of 15 units in the remaining frontline engines and trucks will extend these benefits to the entire department.

The portable radios assigned to each company remain with the captain at all times. When the crew leaves the apparatus, the portable radio is the captain's

contact with the Incident Commander, the Communication Center, the apparatus operator, other companies-virtually everyone. The model MX 350 portable radios currently used by the department have been in service since 1983. The dependability of these units is compromised by their age and the conditions under which they must function.

The Motorola Saber I series portable radio is the recommended replacement for the MX 350. The Saber offers among its features: twelve synthesized channels, microcomputer control, programmable mode select capabilities, enhanced audio performance, and an integrated chip set. Additionally, this portable is submersible in up to three feet of water for two hours without sustaining damage. The MX has no water-resistance and we have lost several units because of water damage. The vendor is offering the Saber I portable radio at a special price of \$1,900 (a savings of \$867 per unit) until December 31, 1988.

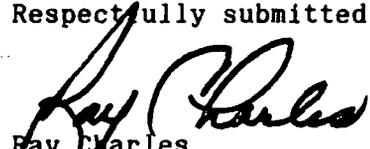
#### FINANCIAL DATA

The cost of the David Clark Intercom Systems will be \$25,000 and the cost of portable radios will be \$14,000 for a total expenditure of \$39,000. These costs are to be covered by the \$39,000 new revenue to be received this year from Los Rios Community College District as a result of the recently executed agreement between Los Rios and the City of Sacramento for a Firefighter Training Program and increased recruit academy tuitions. Anticipated additional revenue for 1988-89 is \$39,000.

#### RECOMMENDATION

It is recommended that the City Council approve the attached resolution recognizing \$39,000 additional Fire Department Training income and increasing the 1988-89 Fire Department Operating Budget by \$39,000 for purchase of 15 radio/intercom systems and 7 portable radios.

Respectfully submitted,

  
Ray Charles  
Fire Chief

RECOMMENDATION APPROVED:

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Walter J. Slipe  
City Manager

Attachment

All Districts  
December 6, 1988

# RESOLUTION No.

Adopted by The Sacramento City Council on date of

RESOLUTION AMENDING THE 1988-89 FIRE DEPARTMENT REVENUE RECEIPTS AND OPERATING BUDGET BY \$39,000 FOR PURCHASE OF COMMUNICATIONS EQUIPMENT

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO:

1. That the Fire Training revenue receipts be increased by \$39,000, thereby increasing the General Fund Contingency Reserve by \$39,000

101-250-2550-3521	(\$39,000)
101-710-7012-4999	39,000

2. That \$39,000 be transferred from the General Fund Contingency Reserve Fund to the Fire Department 1988-89 Operating Budget for the purchase of radio/intercom systems and portable radios

101-710-7012-4999	(\$39,000)
101-250-2530-4630	39,000

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MAYOR

ATTEST:

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CITY CLERK