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DEPARTMENT OF  
DATA MANAGEMENT

CITY OF SACRAMENTO  
CALIFORNIA

819 TENTH STREET  
SACRAMENTO, CA  
95814-2601

916-449-5763

December 2, 1986

**JAMES L. PUTHUFF**  
DIRECTOR

**ALFRED S. ORTIZ**  
INFORMATION SYSTEMS  
MANAGER

**VAN MITCHELL**  
OPERATIONS MANAGER

**MARV BROYLES**  
TECHNICAL SYSTEMS  
MANAGER

Budget and Finance Committee  
Sacramento, California

Honorable Members in Session:

SUBJECT: Enhancements to the Local Government  
Financial System (LGFS)

SUMMARY:

The attached report is being submitted to the Budget and Finance Committee for review and recommendations prior to consideration by the City Council at their regular meeting December 16, 1986.

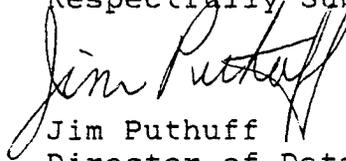
RECOMMENDATION:

It is recommended that the City Council approve the attached Resolutions to:

- (1) Suspend formal competitive bidding to match existing equipment for IBM communications hardware and Pacific Bell dedicated telephone line installation.
- (2) Award agreement to On-Line Software International, Inc. for conversion software (following informal competitive bid selection).

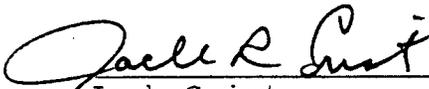
- (3) Amend the CIP budget by transferring \$73,140 and \$26,500, respectively, from the COP contingency to the LGFS project budget (AA01).

Respectfully Submitted,



Jim Puthuff  
Director of Data Management

RECOMMENDATION APPROVED:



Jack Crist  
Deputy City Manager

December 9, 1986  
All Districts

RECOMMENDATION

Recommend that the City Council, by Resolution, authorize the City Manager to:

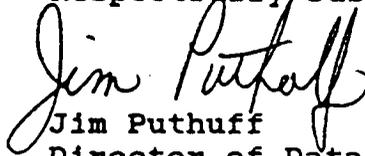
I. Enter into the following agreements:

1. IBM in an amount not to exceed \$71,540 for communications hardware;
2. Pacific Bell Co. in an amount not to exceed \$1,600 for installation of dedicated telephone lines; and
3. On-Line Software International, Inc. in an amount not to exceed \$26,500 for the conversion software package called "COBOL XE".

II. Amend the CIP budget by transferring \$73,140 from COP contingency to the LGFS project budget (AA01).

III. Amend the CIP budget by transferring \$26,500 from the COP fund to the LGFS project budget (AA01).

Respectfully submitted,



Jim Puthuff  
Director of Data Management

RECOMMENDATION APPROVED:

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Walter J. Slipe  
City Manager

December 16, 1986  
All Districts

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

## RESOLUTION

DECEMBER 16, 1986

### RESOLUTION SUSPENDING FORMAL COMPETITIVE BIDDING TO MATCH EXISTING EQUIPMENT FOR IBM COMMUNICATIONS HARDWARE AND PACIFIC BELL DEDICATED TELEPHONE LINE INSTALLATION

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO:  
TWO-THIRDS (2/3) OF ALL MEMBERS VOTING IN FAVOR THEREOF:

That the award of agreements to match exiting equipment  
be made to:

1. IBM for communications hardware for an amount not  
to exceed \$71,540; and
2. Pacific Bell for installation of dedicated  
telephone lines for an amount not to exceed \$1,600.

BE IT FURTHER RESOLVED that the City Manager is authorized to  
suspend formal competitive bidding, and is further authorized  
and directed to execute agreements with IBM and Pacific Bell for  
the above specified "not to exceed" amounts;

BE IT FURTHER RESOLVED that the CIP budget be amended by  
transferring \$73,140 from the COP contingency to the LGFS  
project budget (AA01).

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MAYOR

ATTEST:

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CITY CLERK



DEPARTMENT OF  
DATA MANAGEMENT

CITY OF SACRAMENTO  
CALIFORNIA

819 TENTH STREET  
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95814-2601

December 2, 1986

916-449-5763

JAMES L. PUTHUFF  
DIRECTOR

City Council  
Sacramento, California

ALFRED S. ORTIZ  
INFORMATION SYSTEMS  
MANAGER

Honorable Members in Session

VAN MITCHELL  
OPERATIONS MANAGER

SUBJECT: Enhancements to the Local Government  
Financial System

MARV BROYLES  
TECHNICAL SYSTEMS  
MANAGER

SUMMARY

The City's new Local Government Financial System (LGFS) should be enhanced in the areas of remote dial-up communications equipment and conversion software. It is recommended that funding in the amount of \$99,640 be approved for acquiring the necessary communications hardware, installing telephone lines, and purchasing the recommended conversion software package. This item was heard by the Budget and Finance Committee on December 9, 1986.

BACKGROUND

There is a need to define three terms:

Dial-Up network - A technology that allows for communicating between a microcomputer and another computer over regular dial-up telephone lines. Home banking is an example of this facility where an individual with a microcomputer, that has the appropriate communications software and "dial-up" modem, can gain access to the bank's central computer through their home phone.

Modem - A device that allows for sending and receiving data over regular telephone lines. It takes a modem on each end of the telephone line (between two computers) in order for the two computers to communicate.

Conversion Software - Software that is used, in this case on the new IBM computer, to assist the Data Management staff in converting programs from the City's Sperry computer to the IBM computer.

In designing the LGFS environment, the Data Management staff felt that a dial-up network would be effective for the casual users of the LGFS system. A dial-up network allows organizations with a microcomputer, that has communications software and a "dial-up" modem, to dial-up the central mainframe computer using regular telephone lines, to gain access to specific data on the central computer. In this case, access to the LGFS detail. Five organizations currently are using the dial-up facility: Community Center, Library, Mountain Valley Library, CADA, and Parking Division of Public Works.

In the first month of use it was obvious that the speed of the dial-up network was far too slow and was detrimental to the users productivity as well as being a detriment to their using the system. It was also determined that the frequency of use of the system by each of the five organizations was significantly greater than expected. Therefore, an equipment upgrade that includes dedicated telephone lines and dedicated modems for each site will improve productivity and will provide better access to the LGFS system.

It is recommended that the City suspend formal competitive bidding for the IBM communications hardware so that it will match the existing IBM hardware and recommend that the telephone lines be installed by Pacific Bell.

The Data Management staff included a reference to conversion software in the original requirements for the LGFS environment. The staff was unable to complete a thorough evaluation of available conversion software at the time therefore the conversion software was left out of the 1986 Certificate of Participation (COP) package. The 1986 Certificate of Participation, as you remember, was the financing mechanism that the Treasurer, Tom Friery, and the former Finance Director, Jack Crist, put together to fund the LGFS software and hardware, plus a firehouse, a library, and the Police and Fire Public Safety Communications System upgrade.

A thorough evaluation of conversion software was recently completed that included an analysis of products from thirteen companies. The product, COBOL-XE, from On-Line Software International, Inc. was determined to best meet the City's needs.

#### FINANCIAL

It is recommended that funding for the proposed dial-up communications equipment, \$71,540, and telephone line installation, \$1,600, come from the 1986 COP contingency fund. The conversion software cost of \$26,500 can be funded from savings in the project realized by the reduction from the initial cost estimate for hardware and software to actual costs for same.

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

RESOLUTION

DECEMBER 16, 1986

RESOLUTION AWARDING AGREEMENT  
TO ON-LINE SOFTWARE INTERNATIONAL, INC.  
FOR CONVERSION SOFTWARE

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

That the award of Agreement be made to ON-LINE SOFTWARE INTERNATIONAL, INC. for a conversion software product called COBOL-XE, for an amount not to exceed \$26,500.

BE IT FURTHER RESOLVED that the City Manager is authorized and directed to execute agreements with ON-LINE SOFTWARE INTERNATIONAL, INC. for a "not to exceed" amount specified above.

BE IT FURTHER RESOLVED that the CIP budget be amended by transferring \$26,500 from the COP contingency to the LGFS project budget (AA01).

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MAYOR

ATTEST:

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CITY CLERK