

CITY OF PORTLAND
BUREAU OF WATER WORKS

REQUEST FOR PROPOSAL
FOR A
CUSTOMER BILLING AND INFORMATION SYSTEM

July 1980

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GENERAL INFORMATION

Purpose

This Request for Proposal (RFP) for professional data processing consulting services is issued by the City of Portland, Bureau of Water Works. These services are required to assist in the development of a mini-computer based, on-line Customer Billing and Information System which will replace the current Billing and Collections System being processed on the Multnomah County AMDAHL 470 V5 computer. In addition, it is expected that the consultant will assist in the selection of hardware which will meet the needs of the Customer Billing and Information System plus future applications identified later in this document.

The design project for the Customer Billing and Information System will include developing functional and technical specifications, identifying and evaluating hardware and software, and developing a plan for implementation of the new system.

This project does not include the actual implementation of the Customer Billing and Information System.

Proposal Timeframe

Proposals must be submitted in six (6) copies and arrive not later than 5:00 p.m., local time, September 1, 1980 to:

Mr. Pat Demarinis
Bureau of Water Works
1800 S.W. Sixth Avenue
Portland, Oregon 97201

Proposals received after the date and time specified shall be considered "Late Proposals". The Bureau is under no obligation to consider late proposals. It is anticipated that a contractor will be selected within thirty (30) days of the proposed submission date.

Signing of Proposals

The submission and signature of a proposal shall indicate the intention of the vendor to adhere to the provisions described in this RFP.

- A. Proposals which are signed for a partnership shall be signed in firm name by at least one partner or in firm name by Attorney-in-fact. If signed by Attorney-in-fact, there should be attached to the proposal a Power of Attorney evidencing authority to sign proposals, dated same date as proposal and executed by all partners of the firm.
- B. Proposals which are signed for a corporation shall have the correct corporate name thereon and signature of authorized officer of corporation manually written below the corporate name. The title of office held by the person signing for the corporation shall appear below the signature of the officer.
- C. Proposals which are signed by an individual doing business under a firm name shall be signed in the name of the individual doing business under the proper firm name and style.

Type of Contract

It is anticipated that if a contract is entered into as a result of this RFP, it will be single fixed bid contract. Negotiations may be undertaken with those contractors whose proposals as to price and other factors show them to be qualified, responsible and capable of performing the work. The contract that may be entered into will be that most advantageous to the Bureau, price and other factors considered. This contract will be governed by the laws of the State of Oregon.

Rejection of Proposals

The Bureau reserves the right to reject any and all proposals received as a result of this RFP; however, the contractor will be selected through this or a subsequent RFP process.

Clarification of Proposals

The Bureau reserves the right to obtain clarification of any point in a firm's proposal or to obtain additional information necessary to properly evaluate a particular proposal. Failure of an applicant to respond to such a request for additional information or clarification could result in rejection of this firm's proposal(s).

Modification of Proposal

An offer to modify the proposal which is received from the successful applicant after award of contract which makes the terms of the proposal more favorable or advantageous to the Bureaus will be considered, and may thereafter be accepted. To be effective, every modification must be made in writing over the signature of the applicant.

Costs

The Bureau is not liable for any cost incurred by contractors prior to issuance of a contract.

Preproposal Conference

Interested contractors are invited to attend a preproposal conference to be held at:

The purpose of this conference is to clarify the objectives of the project and to answer questions arising from the contractors' review of the RFP. Answers furnished by the Bureau during this conference are not official until verified in writing by the Bureau. Copies will be provided to all contractors who attend the conference.

Inquiries

Additional questions that arise may be addressed in writing to Mr. Pat Demarinis at the following address:

Bureau of Water Works
1800 S.W. Sixth Avenue
Portland, Oregon 97201

Responses to such questions will be made in writing to all firms who were issued the RFP.

Addenda to the RFP

In the event it becomes necessary to revise any part of this RFP, addenda will be provided to all contractors who received the original RFP.

Proposals

To be considered, contractors must submit a complete response to this RFP, using the format provided in Section III.

No other distribution of proposals should be made by the contractor. For this RFP, all proposals must remain valid for ninety (90) days.

Multiple Proposals

More than one proposal may be submitted by each firm. However, if more than one proposal is submitted, each must be complete in every respect and marked as Primary Proposal, Alternative Proposal 1, Alternative Proposal 2, etc., on the cover of each copy.

Acceptance of Proposal Content

The contents of the proposal of the successful bidder may become contractual obligations, if a contract ensues. Failure of the successful bidder to accept these obligations may result in cancellation of the award.

Economy of Preparation

Proposals should be prepared simply and economically, providing a straightforward, concise description of the contractor's ability to meet the requirements of the RFP. Emphasis should be placed on completeness and clarity of content.

Oral Presentation

Contractors who submit a proposal may be required to make an oral presentation to the Bureau. These presentations provide an opportunity for the contractor to clarify his proposal to ensure thorough mutual understanding and provide a forum for the potential contractors to demonstrate their command of innovative and cost-effective solutions to the utility billing process. The Bureau will schedule these presentations, if deemed necessary.

Prime Contractor Responsibility

The selected contractor will be required to assume responsibility for all services offered in this proposal whether or not he produces them. Further, the Bureau will consider the selected contractor to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the contract. Any subcontractors must be identified either in the proposal or in writing prior to the awarding of the contract.

Contract Payment Schedule

Payment for any contract entered into as a result of this RFP will be made upon receipt and written approval of specified project deliverables. Payment will be made as a percent of the total contract amount according to the following schedule:

o Functional Design Document	30%
o Hardware/Software RFP(s)	30%
o Technical Specifications	25%
o Installation Work Plan	15%

	100%
	====

Disputes

In case of any doubt or differences of opinion as to the items to be furnished hereunder or the interpretation of the provisions of the RFP, the decision of the City of Portland shall be final and binding upon all parties.

Confidentiality

The confidentiality of all communications between vendors and the City will be preserved in the case of written questions that provide information of interest or benefit to all vendors as described above.

News Releases

News releases pertaining to the RFP or contract award will not be made without prior approval of the Bureau, and then only in coordination with the Project Director.

Withdrawal of Proposal

Applicants may withdraw their proposals in person, or by written or telegraphic request which are received prior to the scheduled closing time for filing proposals.

OPERATING ENVIRONMENT AND PROJECT DESCRIPTION

Bureau of Water Works BackgroundGeneral Description of the Bureau's Mission

The Bureau of Water Works operates a water system serving the City of Portland and several outlying municipalities and counties. The water supply provided by the Bureau has a combined capacity of approximately 233.5 million gallons of water per day. The water supply and distribution facilities consist of a 1,500 mile network of water mains ranging in size up to 16 inches in diameter. The majority of service connections are metered. The Bureau serves approximately 130,000 customers (124,000 residential and 6,000 commercial accounts), supplying water to over 620,000 residents in the Portland metropolitan area.

Organization of the Bureau

The Bureau of Water Works consists of three divisions which report to the Administrator. These are the Engineering, Operations and Business Operations divisions.

The Engineering division is comprised of the Administration, Engineering Design and Construction Support, Planning/Drafting/Estimating/Records Maintenance and Water Quality sections.

The Operations division is comprised of the following organizational units: Administration, East/West Service Crews, Carpenter Shop, Construction, Meter Shop and Meter Service Trucks, Welding Shop, Stores, Maintenance, Valve Maintenance, Field Services, Emergency Crew/Dispatch/Fuel and Wash, Main Cleaning, Blow Off, Hydrants/Fountains and Apprentice Training.

The Business Operations division is comprised of the Administrative Services, Meter Reading and Inspection, and Revenue Office sections. This division provides billing and collections services to the Bureau of Sanitary Engineering. Additional description of the Bureau of Sanitary Engineering follows in the next section.

Bureau of Sanitary Engineering Background

General Description of the Bureau's Mission

The Bureau of Sanitary Engineering provides engineering design and management, including financial and construction planning, and administration of a self-supporting wastewater collection and treatment system which meets the environmental needs of the City of Portland. The collection and treatment system is comprised of approximately 1,450 miles of sewers, 49 pumping stations, and two activated sludge secondary treatment plants with a combined capacity of 108.3 million gallons a day.

Organization of the Bureau

Although the Bureau of Sanitary Engineering is composed of five divisions, the major interaction between this bureau and the Bureau of Water Works, is handled by the Sewer Rates Administration section of the Rates and Administration division.

The Sewer Rates Administration section is responsible for determining sewer rates necessary to maintain a self-supporting sewerage system, and for assisting the billing/collection function of the Water Bureau.

Environment of the Current Billing and Collections System

The current Billing and Collections system is being operated on the Multnomah County AMDAHL 470 V5 computer. The system is primarily batch oriented, but has a limited amount of on-line inquiry capability.

The cost of the present system is high relative to the level of service and benefits received. While processing costs have decreased since early 1979, personnel support costs have steadily increased due to difficulty in system maintenance and enhancement. The system is characterized by inefficient operation, poor documentation, difficulty in modification or change, and inconsistencies in the reliability and accuracy of the data.

The current system is outdated, having been in operation since 1971. It began as strictly batch oriented. Several years ago it was converted to operate under the DL/1 data base management system. More recently, an attempt has been made to convert the system to operate under the ADABAS data base management system, in order to improve operating efficiency and provide more on-line capabilities. For a variety of reasons, this conversion has not been successful and was, in fact, stopped in late 1979.

We have determined that a new Customer Billing and Information System should, at minimum, provide the following basic functions and features:

- o Calculate the charges for water and sewage disposal and print customer bills.
- o Provide inventory and usage information for water meters in the shop and installed in the ground.
- o Generate optically scannable meter-reading documents each time an account is to be read.
- o Edit completed meter-reading documents for high or low consumption, based on a range for expected consumption derived from consumption history.
- o Edit completed meter-reading documents on a daily basis.
- o Calculate regular water rates based on consumption or minimum charges.
- o Calculate charges for emergency service accounts, standby accounts, and water company accounts including credits for annexed accounts.

- o Pro-rate charges for final bills and for accounts which have been shut off.
- o Add flat charges (e.g., for meter rentals).
- o Handle at least ten types of calculations for charges for sewerage discharge.
- o Allow for summer irrigation credit accounts and for extra strength sewage discharge accounts.
- o Provide batch and on-line update of all data bases through CRT terminals.
- o Provide on-line inquiry to complete information about the current status of an account or meter through terminals at the Water Bureau and at least two remote locations.
- o Maintain, for each account, the following data: account balance and all supporting transactions; all comments or status changes in an account for the last year; all indicative information about an account; and all meters installed at the account.
- o Maintain, for each meter, all indicative information about the meter and if the meter is installed, the account and location where installed and the consumption history.
- o Maintain historic information for accounts and meters on microfiche or other appropriate retention media.
- o Report financial projections and results in the appropriate summary level of detail for management review and action.
- o Maintain, for each account, all data related to backflow devices (if any) and water-quality related consumer complaints.
- o Post and process customer payments on account balances.
- o Provide the ability to obtain ad-hoc reports from data base information without having to write additional computer programs.

FUTURE APPLICATIONS TO BE CONSIDERED IN THE HARDWARE EVALUATION

In selecting a hardware class, the contractor will consider the following applications which have the potential to be operated on the in-house computer. More detail in addition to what follows on the nature of these applications, will be available to the selected contractor.

BUREAU OF WATER WORKS

ENGINEERING DIVISION

I. PROJECT MANAGEMENT

- o Project management consists of both project cost accounting and manpower scheduling.
- o All three Water Bureau divisions have a need for improved project management reporting, for both capital improvement and maintenance projects.
- o All three divisions are attempting to use the city-wide FMS project reports, but are not satisfied with the data available. The Engineering and Operations divisions are expending considerable effort maintaining project cost and manpower scheduling data on a manual basis.
- o Much of the input data required by a project management system could be captured from the current FMS input. The data for the system would be captured prior to it's eventual processing by FMS. Reports could be available on a bi-weekly basis.

II. DISTRIBUTION SYSTEM NETWORK ANALYSIS, WATERSHED YIELD, WATER DEMAND FORECASTING

- o Programs are run on the Bureau of Street and Structural Engineering computer. Engineering Division is satisfied with service provided by this computing facility.
- o Programs are either public domain or currently possessed by the Water Bureau so they could be run on an in-house computer.

III. WATERSHED FORECASTING, WATER QUALITY DATA BASE

- o Processing of these systems is performed by HYDROCOMP, a California service bureau providing computer facilities in the areas of simulation, aquatic econolgy and hydrology.
- o Problems have developed with HYDROCOMP in the areas of turnaround time, program changes without Water Bureau notification, difficulties in adapting report formats, and setting up a system to charge for services.
- o Both programs are operated in the public domain so they could be acquired and run on the Bureau of Street and Structural Engineering's computer or an in-house computer at the Water Bureau at a reasonable cost.

IV. BACK FLOW AND FIRELINE DATA, CONSUMER COMPLAINTS

- o Maintaining manual records in these areas has become a significant effort. Estimated personnel cost to maintain the backflow and fireline data is over \$23,000 per year.
- o The record-keeping functions in these areas could be performed by a new Customer Billing and Information system, since the data can be stored by customer account.

BUREAU OF WATER WORKS

BUSINESS DIVISION

V. RATE ALLOCATION (Cost of Service Study and Demand Projections)

- o This process results in the determination of capital, operations and maintenance, and general administrative-related revenue requirements and thereby the total revenue requirement by service area and net user charge requirements. The required water rates and customer service charge, by customer type, are then determined after demand projections have been estimated.

- o To provide mechanized support to this process, fixed asset data, Operations and Maintenance account/project data and Capital Improvement Program data would need to be input to or maintained on the computer.
- o To provide mechanized support to this process, changes in various cost of service and overall economic factors, used to determine an impact on customer service charges, would need to be simulated.
- o The data base for a rate allocation system would be developed in conjunction with that required to support mechanized project control, management reporting and the Water Bureau's general and subsidiary ledgers, since these systems would share many common data elements.

VI. OTHER WATER BUREAU BUSINESS DIVISION SYSTEMS

- o Five other Business Division systems or functional areas are candidates for mechanized support. They are:
 1. General and Subsidiary Ledgers
 2. Quarterly Allotment (Budget) Reporting
 3. Expenditure Status Records (i.e., EDP, Out-of-Town Travel, Interagency Agreements, etc.)
 4. Financial Forecasts
 5. Personnel Management (Position Control, Sick Leave Monitoring, Employee Evaluation)
- o The General and Subsidiary Ledgers and the Quarterly Allotment (Budget) reporting require significant manual preparation. The implementation of the Customer Billing and Information and Project Management systems would provide much of the data base required for mechanized support of this areas.
- o The bulk of the Quarterly Allotment (Budget) Report consists of the cost and schedule status of each of the Capital Improvement Projects. This data could be provided by a mechanized project management system.

OPERATING ENVIRONMENT AND PROJECT DESCRIPTION

Problem Statement

The Bureau has identified a direction to follow in improving its information processing. This strategy is summarized as follows:

- o Acquire in-house processing facilities capable of supporting both on-line business and engineering applications.
- o Commence development of information systems using software packages, where available.
- o Develop in-house data processing expertise.

The Bureau is seeking professional assistance to aid in meeting this strategy. The objectives to be achieved by this project include:

- o Defining the information requirements for a comprehensive Customer Billing and Information System.
- o Developing a design for both the functional and technical specifications of the Customer Billing and Information System. The data base developed must be compatible with a VAX 11/780 computer being operated by the Bureau of Street and Structural Engineering.
- o Identifying hardware and software which will meet the needs of the Customer Billing and Information System. The hardware must also be capable of supporting additional business and engineering applications, and communicating with the previously mentioned VAX 11/780 computer.
- o Assisting in the evaluation and selection of hardware and software.
- o Developing an implementation approach for the Customer Billing and Information System.
- o Documenting the system design and implementation plan in sufficient detail to:
 - provide the Bureau with realistic cost and time frames for the installation phase.
 - serve as the communication link between the design project team and the installation project team.

Project Requirements

Project Timeframe

Contractors must be prepared to begin work within thirty (30) days after the contract has been awarded. All work on the project must be completed within seven (7) elapsed months. This timeframe includes one month waiting for responses to hardware/software RFP's.

Project Control

The contractor will establish project control procedures (manual or automated) that will provide the following information weekly:

- o Time reporting by all project team members.
- o Comparison of actual performance against the estimates provided in the detail work plan.
- o Estimate the effort to complete and estimated completion date for all work steps.

Progress Reporting

The contractor will be responsible for conducting monthly progress meetings with Bureau management. The contractor will submit monthly written progress reports with their monthly billing statements. The progress reports should address the following key areas:

- o Project status including an exhibit which summarizes the information required in Project Control, above.
- o Work accomplished in this period.
- o Work planned for next period.
- o Any other information requiring management's attention.

In addition, the contractor will, at appropriate intervals, have the design of system features and controls reviewed by the City of Portland's independent auditors.

Deliverables

There will be four major products of this design project:

- o Functional and Technical Specifications. These documents summarize the functional and technical design for management approval. A sample Table of Contents for these reports is included as Attachment A to this RFP.

- o Request for Proposal to be submitted to Hardware and Software Vendor(s). This document(s) will be distributed to selected vendors in order to select the best hardware/software combination to meet the Bureau's information systems requirements. This document(s) will be consistent in form and content with existing guidelines established by the City of Portland.
- o Installation Work Plan. The installation work plan should include the installation steps to be performed, estimates of effort by skill level and the timetable for converting the system.

An economic summary, or cost/benefit analysis, must also be prepared. This summary should include the cost and benefits of operating the proposed system after conversion and a summary of intangible considerations.

In addition to the summary reports described above, all materials, working papers, programs, manuals, etc. developed during the course of the project will become an integral part of the system documentation.

SECTION III

INFORMATION REQUIRED FROM CONTRACTORS

Business Organization

State the full name and address of your organization and, if applicable, the branch office or other subordinate elements that will perform or assist in performing the work hereunder. Indicate whether you operate as an individual, partnership, or corporation; if as a corporation, include the state in which you are incorporated. If the proposal is submitted by a joint venture, provide the required information for all parties in the joint venture.

Project Objectives

State in succinct terms your understanding of the objectives of the project described in this RFP.

Overall Approach to Completing Work

Provide a concise description of the approach your organization would follow in completing this project. Identify and describe each of the major phases of the project.

Prior Experience

Experience in designing and implementing automated utility billing systems is considered essential for any contractor to satisfy the requirements of this RFP. Include descriptions of all projects completed by your organization that are similar to the project described in Section II in terms of business applications, hardware and software. Identify separately those projects completed by the applicant office and those completed by other offices in your organization.

Manpower

The contractor must be able to staff a project team which possesses talent and expertise in the fields of systems design and installation, management, accounting and data processing. Include the number of executive and professional personnel by classification that specialize in the design and installation of computer based systems in the office that will be responsible for completing the project.

Provide resumes for key personnel that will be assigned to the project and indicate each individual's percentage involvement in the total project. The resumes should specify the individual's prior experience on utility billing system engagements and should include the name, address, telephone number and position of the responsible officer of each of these client organizations.

Detail Work Plan

Include a plan which specifies the detailed steps to be followed in completing the work. For each step, provide the following:

- o Workday estimate.
- o Skill required (i.e., senior analyst, programmer, user, etc.).
- o Proposed assignment of responsibility (Bureaus or contractor). NOTE: The Bureau will make available two full-time personnel to this project. These individuals include the Systems Manager, who is in the process of being hired, and a Senior Programmer/Analyst, who has knowledge of the current Billing and Collections system.

Include a summary which provides a representation of the time frame for each of the major work phases. For each phase, provide a summary of the manpower requirements (Bureaus, contractor and total).

Indicate the location where the work will be completed. Identify any assumptions concerning support services and facilities to be provided by the Bureau.

Cost

Include total proposed consulting fees for the project, specifying that portion of which is estimated to be out-of-pocket expense. The out-of-pocket expense should further be broken down by transportation costs (show travel costs and per diem rates separately) and all other expense. In addition, the contractor should describe the rationale or basis from which the proposed fee estimate has been derived.

Non-Discrimination

No proposal will be considered unless the applicant is certified as an EEO Affirmative Action Employer as prescribed by Chapter 3.100 of the Code of the City of Portland. All applicants not currently certified should file the required documentation with:

Contract Compliance Division
Room 209, City Hall
1220 Southwest Fifth Avenue
Portland, Oregon 97204
Phone: (503) 248-4696

This certification must be filed at least five (5) days prior to the proposal due date. Failure to achieve certification by the proposal due date and time shall result in the return of your proposal unopened.

Additional Information and Comments

Include any other pertinent information not specifically requested elsewhere.

Exclusions

List any sections of this RFP with which your organization is unable to comply and the reasons therefore.

SECTION IV

SELECTION CRITERIA AND PROCEDURES

Selection Criteria

Contract negotiations may be undertaken with the contractor(s) whose proposal shows them to be the most qualified, responsible and capable of performing the work. The following factors will be considered.

- o Professional Personnel. This refers to the competence of professional personnel who would be assigned to the job by the contractor. Qualifications of professional personnel will be measured by education and experience, with particular reference to experience on projects similar to that described in the RFP. Emphasis will be placed upon the qualifications of the project manager and the amount of dedicated management planned for this project by the contractor.
- o Capability and Qualification. This criterion includes the ability of the contractor to meet the terms of the RFP, especially the time constraints, and the quality, relevance and timeliness of similar projects completed by the contractor. Emphasis will also be placed on the soundness of the contractor's approach to the problem.
- o Project Approach. This criterion refers to the approach the contractor would take toward completing the project and conformity to specific needs detailed in the work statement of the RFP. Emphasis will be placed on the contractor's approach and methodology for completing systems design projects.
- o Size and Location. This refers to the size and location of the contractor's office and relates to the contractor's ability to staff the project with additional, qualified personnel should unforeseen changes in staffing be required (i.e., turnover).
- o Cost. This criterion refers to the total proposed consulting fees for the project. Cost will be weighted equally to the other four selection criteria during the proposal evaluation process.

The contract that may be entered into will be that which is most advantageous to the Bureau, all factors considered. The Bureau reserves the right to consider proposals or modifications thereof received at any time before award is made, if such action is in their interest.

(ATTACHMENT A)

BUREAU OF WATER WORKS

CUSTOMER BILLING AND INFORMATION SYSTEM

FUNCTIONAL SPECIFICATIONS

TABLE OF CONTENTS

1. System overview -- Key system objectives, functions and benefits are summarized.
2. Functions -- All system functions and related subfunctions are defined.
3. Inputs and Outputs -- All system reports and screens are designed and samples included. All forms are inventoried and their purpose and use defined. Examples of key items are displayed to help describe the system to the users.
4. Procedural Flows -- All manual and automated procedures are inventoried and described.
5. Data Requirements -- All system files, records and fields are inventoried and described.
6. Performance Requirements -- All system performance criteria are inventoried by function and described.
7. Security and Control Requirements -- All system security parameters and controls are inventoried by function and described.

(ATTACHMENT A)

BUREAU OF WATER WORKSCUSTOMER BILLING AND INFORMATION SYSTEMTECHNICAL SPECIFICATIONSTABLE OF CONTENTS

1. Technical Architecture Design -- Each system function is categorized by type (manual, batch or on-line) and residence (centralized or distributed). Common or utility functions and interfaces to other existing systems are also identified. An overall system flow chart(s) summarizes application processing.
2. Data Base Design -- The design of the logical and physical data bases (of files) and the intended use of the data base management system supporting their operation is explained.
3. System Processes -- The architecture of major programs is displayed. All programs and modules are identified. Interfaces with operating, on-line control and data base management systems are explained.
4. Performance, Security and Controls Design -- The performance specifications, security levels and control features of each system process are explained.
5. Testing and Conversion Procedures -- Program tests, systems tests and conversion procedures, and sources of conversion data are explained.
6. Resource Requirements -- Resource requirements for each component of hardware are defined. All required systems design and development software aids are also identified. Any hardware requirements are integrated with the overall hardware strategy.

ORDINANCE NO.

150178

An Ordinance authorizing the Purchasing Agent to call for bids to develop technical specifications for the design of a customer billing/information system, and technical specifications for the purchase of computer equipment to implement the billing/information system for the Bureau of Water Works, authorizing a contract, authorizing the drawing and delivery of a warrant(s), and declaring an emergency.

The City of Portland ordains:

Section 1. The Council finds:

1. The Water Bureau presently contracts with the Bureau of Computer Services (BOCS) and the Data Processing Authority (DPA) for customer billing services.
2. The Water Bureau's present billing system is becoming obsolete and needs prompt replacement.
3. It is in the Bureau's long-term operational and financial best interest to develop a new customer billing/information system with inhouse staff, and to implement the system through purchase of an inhouse computer.
4. It is the Bureau's intent to discontinue contract services with DPA in two years but to continue to contract with BOCS for City-wide processes and services.
5. The ordinance allows the Bureau to request bids to develop technical specifications for purchase of the new computer, as well as to request bids for technical specifications for the design of the new customer billing/information system as outlined in the Request for Proposal, marked Exhibit A, attached to the original only.
6. The proposed action has been recommended to the Bureau in a study performed by Arthur Andersen Consultants, and has been reviewed and approved by the Bureau of Computer Services, Budget Office and Bureau of Sanitary Engineering/Public Works Administrator's Office.

NOW, THEREFORE, the Council directs:

- a. The Purchasing Agent shall advertise for bids to develop technical specifications for both the customer billing/information system and for the purchase of computer equipment as outlined in the Request for Proposal for the Bureau of Water Works.
- b. A contract is authorized with the most favorable bidder as designated by Council.

ORDINANCE No.

c. The Mayor and the Auditor hereby are authorized to draw and deliver warrant(s) chargeable to the 1980-81 budget; Water Bureau Administration, BUC 18300010, Object 210, Project 1504, when demand is presented, approved by the proper authorities.

Section 2. The Council declares that an emergency exists because the new system is necessary to carry out the work required; therefore, this ordinance shall be in force and effect from and after its passage by the Council.

ORDINANCE NO. 1980-9

Calendar No. 1980-9

Approved by the City of Portland
 GEORGE YANNOVICH

Filed
MAY 22 1980

APPROVED TO FILE
MAY 20 1980

an emergency...
 delivery of warrant(s) and declaring a computer, authorizing the drawing and the Bureau of Water Works, authorizing the purchase of computer equipment for purchase of computer equipment to judge and technical specifications for the s...
 Commissioner P... Information System, nical specifications for the design of...
 Ordinance and... the purchase and

File

Passed by the Council, **AUG 6 1980**

Commissioner Ivancie
 June 24, 1980
 BUC 18300010, Obj. 210, Prj. 1504
 P.V. Demarinis/lo

Attest:
 Auditor of the City of Portland

George Yannovich
 Auditor of the City of Portland

Calendar No. ~~2729~~ ²⁸¹⁶

ORDINANCE No. 150178

Title

An Ordinance authorizing the Purchasing Agent to call for bids to develop technical specifications for the design of a customer billing/information system, and technical specifications for the purchase of computer equipment to implement the billing/information system for the Bureau of Water Works, authorizing a contract, authorizing the drawing and delivery of a warrant(s), and declaring an emergency.

JUL 30 1980

CONTINUED TO AUG 6 1980

JUL 25 1980

Filed _____

GEORGE YERKOVICH
Auditor of the CITY OF PORTLAND

By *John O. Powell*
Deputy

THE COMMISSIONERS VOTED AS FOLLOWS:

	Yeas	Nays
Ivancie	1	
Jordan	1	
Lindberg	1	
Schwab	1	
McCready	1	

FOUR-FIFTHS CALENDAR

Ivancie	
Jordan	
Lindberg	
Schwab	
McCready	

INTRODUCED BY
Commissioner Ivancie

NOTED BY THE COMMISSIONER

Affairs

Finance and Administration

Safety

Utilities **FJIMK**

Works

BUREAU APPROVAL

Bureau: Water Works

Prepared By: P.V. Demarinis/lo Date: 6/24/80

Budget Impact Review:

Completed Not required

Bureau Head: *Carl Goebel*
Carl Goebel, Administrator

NOTED BY

City Attorney

City Auditor

City Engineer